

## Massachusetts Year 2014 Integrated List of Waters

*Final Listing of the Condition of Massachusetts' Waters Pursuant to  
Sections 305(b), 314 and 303(d) of the Clean Water Act*



CN 450.1

**Commonwealth of Massachusetts**  
**Executive Office of Energy and Environmental Affairs**  
Matthew A. Beaton, Secretary  
**Massachusetts Department of Environmental Protection**  
Martin Suuberg, Commissioner  
**Bureau of Water Resources**  
Douglas E. Fine, Assistant Commissioner

#### NOTICE OF AVAILABILITY

This report is available via the Massachusetts Department of Environmental Protection's (MassDEP) website: <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html>

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Prepared by:

Massachusetts Division of Watershed Management  
Watershed Planning Program

**CN: 450.1**

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## EXECUTIVE SUMMARY

The *Final Massachusetts Year 2014 Integrated List of Waters* (Integrated List) is submitted to the U.S. Environmental Protection Agency (EPA) in fulfillment of reporting requirements of sections 305(b), 303(d) and 314 of the Clean Water Act (CWA). Section 305(b) of the CWA codifies the process whereby waters are evaluated with respect to their attainment of designated uses such as habitat for fish, other aquatic life and wildlife, fish and shellfish consumption, and primary (e.g., swimming) and secondary (e.g., boating) contact-recreation. Under Section 314 states are requested to report on the trophic status of their lakes and ponds. Finally, Section 303(d) of the CWA requires states to identify those waterbodies that are not expected to meet surface water quality standards after the implementation of technology-based controls and to prioritize and schedule them for the derivation of total maximum daily loads (TMDLs).

In 2012 the Massachusetts Department of Environmental Protection (MassDEP) published the *Massachusetts Consolidated Assessment and Listing Methodology (CALM) Guidance Manual*. This manual contains a brief summary of the Massachusetts Surface Water Quality Standards (SWQS) that define the goals for water quality in the Commonwealth (MassDEP 2006), the requirements for assessing the quality of data to be used for CWA reporting, and the methods of reviewing water quality data and information used by the MassDEP's Division of Watershed Management (DWM) to make use assessment decisions for reporting in accordance with the CWA. The CALM manual, as well as the individual watershed assessment reports that formed the basis for the listing decisions in this report, can be found at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessments.html>.

MassDEP stores its assessment and listing decisions in the "Assessment Database" (ADB), the EPA's preferred database application for tracking water quality assessment data, including use attainment, and causes and sources of impairment. The ADB was designed to improve the quality and consistency of water quality reporting, improve water quality data analysis, and reduce the burden of preparing reports under sections 305(b), 303(d), 314 and 319 of the Clean Water Act. MassDEP's conversion to the ADB from its predecessor, the Waterbody System (WBS), began with the development of its Year 2008 Integrated List and the ADB became fully operational for the Year 2010 listing cycle.

The *Final Massachusetts Year 2012 Integrated List of Waters* was submitted to the EPA on March 27, 2013 and the 303(d) List was approved on May 2, 2013. New information included in the 2014 Integrated List was limited to new TMDL approvals by the EPA, recent Department of Public Health (DPH) fish consumption advisories, and the comments received during the public review period. Efforts are ongoing to improve the process by which watershed assessments are carried out and to make substantial revisions to the CALM manual for the 2016 listing cycle and beyond.

The 2014 Integrated List assigns each of 2,182 assessment units (AU's) to one of the following five categories depending upon their status with respect to the support of their designated uses:

- 1) Unimpaired and not threatened for all designated uses;
- 2) Unimpaired for some uses and not assessed for others;
- 3) Insufficient information to make assessments for any uses;
- 4) Impaired or threatened for one or more uses, but not requiring the calculation of a Total Maximum Daily Load (TMDL); or
- 5) Impaired or threatened for one or more uses and requiring a TMDL.

The following table summarizes, by waterbody type, the number and total sizes of AU's appearing in each category of the 2014 Integrated List.



| Integrated List Category | Rivers     |                 | Lakes        |                   | Coastal Waters |                | Total AU's   |
|--------------------------|------------|-----------------|--------------|-------------------|----------------|----------------|--------------|
|                          | AU's       | Size (miles)    | AU's         | Size (acres)      | AU's           | Size (sq. mi.) |              |
| 1                        | 0          | 0.00            | 0            | 0.00              | 0              | 0.00           | 0            |
| 2                        | 232        | 1,018.17        | 46           | 2,167.85          | 16             | 28.89          | 294          |
| 3                        | 117        | 337.95          | 535          | 32,088.99         | 2              | 0.30           | 654          |
| 4a                       | 41         | 146.39          | 150          | 47,812.59         | 125            | 56.63          | 316          |
| 4b                       | 0          | 0.00            | 0            | 0.00              | 0              | 0.00           | 0            |
| 4c                       | 25         | 101.08          | 198          | 15,217.27         | 0              | 0.00           | 223          |
| 5                        | 318        | 1,551.57        | 244          | 21,110.31         | 133            | 157.48         | 695          |
| <b>Totals</b>            | <b>733</b> | <b>3,155.16</b> | <b>1,173</b> | <b>118,397.01</b> | <b>276</b>     | <b>243.30</b>  | <b>2,182</b> |

The EPA's approval of bacteria TMDLs for waters in the Neponset and North Coastal watersheds led to the **removal** of 47 individual bacterial causes (i.e., "Fecal Coliform" or "*Escherichia coli*") and 31 entire waterbody segments (i.e., AU's) from the 303(d) List (i.e., Category 5) when the 2014 Integrated List was prepared. This accounts for all of the "delistings" that occurred for the 2014 listing cycle. Six (6) AU's and 14 individual pollutants were **added** to the 2014 303(d) List based on new health advisories pertaining to fish edibility released by the Massachusetts Department of Public Health (DPH) and comments received as part of the public review process.

The *Proposed Massachusetts Year 2014 Integrated List of Waters* was placed on the MassDEP web site at <http://www.mass.gov/dep/water/resources/tmdl.htm>. Notice of its availability for public review and comment appeared in the June 25, 2014 edition of the Massachusetts Environmental Monitor and was provided directly to over one hundred different watershed associations and other interested parties. Paper copies of the document were also available from the DWM's Watershed Planning Program Office in Worcester. The public comment period ended on August 1, 2014. Seven (7) comment letters were received, including one from the EPA Region 1. A list of the parties that commented is presented below. Responses to the comments are presented in *Massachusetts Year 2014 Integrated List of Waters Responses to Public Comments Pertaining to the Proposed Listing of the Condition of Massachusetts' Waters Pursuant to Sections 305(b), 314 and 303(d) of the Clean Water Act* published under separate cover.

| <b>List of organizations that provided comments on the<br/><i>Proposed Massachusetts Year 2014 Integrated List of Waters</i></b> |
|----------------------------------------------------------------------------------------------------------------------------------|
| Back River Watershed Association                                                                                                 |
| Neponset River Watershed Association                                                                                             |
| Jones River Watershed Association                                                                                                |
| Buzzards Bay Coalition                                                                                                           |
| Charles River Watershed Association                                                                                              |
| Center for Biological Diversity                                                                                                  |
| U. S. Environmental Protection Agency Region 1                                                                                   |





## INTRODUCTION

The Federal Water Pollution Control Act of 1972 (FWPCA) and subsequent Amendments in 1977, 1981 and 1987 are collectively known as the Clean Water Act (CWA). The objective of this statute is to restore and maintain the chemical, physical, and biological integrity of the Nation's waters. As one step toward meeting this goal each state must administer a program to monitor and assess the quality of its surface and groundwater and provide periodic status reports to the U.S. Environmental Protection Agency (EPA), the U.S. Congress, and the public. Section 305(b) of the CWA codifies the process whereby waters are evaluated with respect to their capacity to support designated uses as defined in each of the states' surface water quality standards (SWQS). These uses include aquatic life support, fish and shellfish consumption, drinking water supply, and primary (e.g., swimming) and secondary (e.g., boating) contact-recreation. The 305(b) process entails assessing each of these uses for rivers, lakes and coastal waters. Where possible, causes and sources of impairment are also identified.

Section 303(d) of the CWA and the implementing regulations at 40 CFR 130.7 require states to identify those waterbodies that are not expected to meet SWQS after the implementation of technology-based controls and to prioritize and schedule them for the development of total maximum daily loads (TMDLs). A TMDL establishes the maximum amount of a pollutant that may be introduced into a waterbody and still ensure attainment and maintenance of water quality standards. Furthermore, a TMDL must also allocate that acceptable pollutant load among all potential sources. The formulation of the 303(d) List includes a more rigorous public review and comment process than does reporting under Section 305(b), and the final version of the list must be formally approved by the EPA.

Prior to 2002 states prepared and submitted to the EPA both a biennial *Summary of Water Quality Report* in accordance with the requirements of Section 305(b) as well as a separate Section 303(d) *List of Impaired Waters*. On November 19, 2001 the EPA released guidance for the preparation of an optional *Integrated List of Waters* that would combine reporting elements of both sections 305(b) and 303(d) of the CWA. This Integrated Report (IR) format allows states to provide the status of all their assessed waters in a single, multi-part list.

States choosing this option can list each Assessment Unit (AU) (i.e., waterbody or segment thereof) in one of the following five categories:

- 1) Unimpaired and not threatened for all designated uses;
- 2) Unimpaired for some uses and not assessed for others;
- 3) Insufficient information to make assessments for any uses;
- 4) Impaired or threatened for one or more uses, but not requiring the calculation of a TMDL; or
- 5) Impaired or threatened for one or more uses and requiring a TMDL.

Thus, waters listed in Category 5 constitute the 303(d) List and, as such, are to be reviewed and approved by the EPA. The remaining four categories are submitted in fulfillment of the requirements under Section 305(b), essentially replacing the old 305(b) Report format. Massachusetts formulated integrated lists in accordance with EPA guidance every other year from 2002 through 2012. The EPA subsequently approved each of these. The Final approved version of the *Massachusetts 2012 Integrated List of Waters* (2012 List) and related information, such as the associated public comment document and EPA approval letter, can be found at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html>.

A memorandum entitled "Information Concerning 2014 Clean Water Act Sections 303(d), 305(b) and 314 Integrated Reporting and Listing Decisions" (September 3, 2013) from Denise Keehner, Director of the EPA's Office of Wetlands, Oceans and Watersheds, to that agency's regional Water Division Directors recommends that states prepare their 2014 Integrated Reports (IRs) consistent with previous EPA IR guidance including EPA's 2006 IR Guidance, which is supplemented by EPA's 2008, 2010 and 2012 IR memoranda. The 2014 IR guidance, along with all of EPA's clarifying guidance pertaining to Section 303(d) reporting can be accessed at <http://water.epa.gov/lawsregs/lawsguidance/cwa/tmdl/guidance.cfm>.



This report presents the individual categories of Massachusetts' waters for the 2014 CWA listing cycle along with pertinent supporting documentation. Since the completion of the 2012 reporting cycle, MassDEP has not completed any additional waterbody assessments. Instead, MassDEP has focused on improving the process by which watershed assessments are carried out and making significant revisions to its Consolidated Assessment and Listing Methodology (CALM) for the 2016 listing cycle and beyond. The 2016 CALM will specify how new kinds of data and information, such as long-term dissolved oxygen and temperature data, will be used to make assessments in the future. Other enhancements will include clarification on the use of response indicators when assessing impairments associated with nutrients. A brief description of the water resources of Massachusetts and MassDEP's water quality management programs are presented in the introductory sections. The section *Prioritizing Waters for TMDL Development* was revised to reflect the most recent schedule negotiated between MassDEP and the EPA, as part of their Performance Partnership Agreement (PPA).

## WATER RESOURCES OF MASSACHUSETTS

The Commonwealth of Massachusetts ranks 45<sup>th</sup> out of the 50 states in surface area (approx. 8,300 sq mi of dry land and inland water combined), yet its estimated 6,497,967 inhabitants place it 15<sup>th</sup> in population (US Census Bureau, 2010). More than 75 percent of the population resides in the eastern one-third of the state.

Massachusetts encompasses two geological provinces: the Coastal Plain and the New England Upland. Cape Cod and the Islands form the coastal plain and consist of low hills and plains covering unconsolidated sediments that form the most productive aquifers in the State. The New England Upland province consists of till and stratified drift above metamorphic and igneous rocks, and provides small productive aquifers. Groundwater is used for water supply in small communities and almost exclusively on Cape Cod and the Islands. Surface water is the major source of water supply for all the major urban areas in the state, since no other source is capable of meeting these demands. Surface water in the state is relatively plentiful and of high quality, but it is not distributed in proportion to the distribution of the population. Two thirds of Massachusetts' residents depend upon surface water for their needs. The Massachusetts Water Resources Authority supplies communities in the Greater Boston area (about half the state usage of surface water) from Quabbin and Wachusett reservoirs in the central uplands.

Annual precipitation averages about 45 inches and is fairly evenly distributed throughout the state. Average annual evaporation of free water surfaces ranges from about 26 inches in Western Massachusetts to about 28 inches in the eastern half of the State. Yearly runoff ranges from about 20 inches in Cape Cod to about 32 inches in the northwestern corner of the State. The lowest runoff generally occurs during July, August and September. Runoff is highest in March in the eastern sections of the state and April in the western sections and at higher elevations.

Massachusetts incorporates all or a portion of nine major drainage systems – Hudson, Housatonic, Connecticut, Thames, Narragansett Bay, Mount Hope Bay, Boston Harbor, Merrimack and Coastal – that, in turn, are made up of a total of 32 smaller watersheds or drainage areas. These have been regrouped slightly to create the 27 watersheds, or drainage areas, that serve as the fundamental planning units of the Massachusetts' surface water monitoring, assessment and management programs described throughout this report. A summary of some general surface water resource statistics for Massachusetts is provided in the following table.



| Surface Water Atlas for Massachusetts                                                                                                                                                                                                                                                                             |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <u>Rivers</u> <sup>1</sup>                                                                                                                                                                                                                                                                                        |         |
| Number of Major Drainage Systems                                                                                                                                                                                                                                                                                  | 9       |
| Number of Watersheds or Drainage Areas                                                                                                                                                                                                                                                                            | 32      |
| Number of Interstate Watersheds                                                                                                                                                                                                                                                                                   | 12      |
| Perennial River Miles <sup>2</sup>                                                                                                                                                                                                                                                                                | 9,962   |
| <u>Lakes</u>                                                                                                                                                                                                                                                                                                      |         |
| Number of Lakes and Ponds <sup>6</sup>                                                                                                                                                                                                                                                                            | 3,191   |
| Area of Lakes and Ponds (acres) <sup>3</sup>                                                                                                                                                                                                                                                                      | 151,173 |
| <u>Coastal Waters</u> <sup>4</sup>                                                                                                                                                                                                                                                                                |         |
| Area of Harbors and Estuaries (square miles)                                                                                                                                                                                                                                                                      | 223     |
| Total Coastal Miles                                                                                                                                                                                                                                                                                               | 1,519   |
| <u>Wetlands</u> <sup>5</sup>                                                                                                                                                                                                                                                                                      |         |
| Marine and Estuarine Wetlands (acres)                                                                                                                                                                                                                                                                             | 125,710 |
| Freshwater Wetlands (acres)                                                                                                                                                                                                                                                                                       | 472,368 |
| Total Area of Wetlands (acres)                                                                                                                                                                                                                                                                                    | 598,078 |
| <u>Information Sources</u> (see Bibliography):<br><br><sup>1</sup> Halliwell, et al., 1982<br><sup>2</sup> National Hydrography Dataset (NHD) 1:24,000<br><sup>3</sup> Ackerman, 1989<br><sup>4</sup> Gil, 1985 and Maietta, 1984<br><sup>5</sup> Costello, 2010<br><sup>6</sup> Mass GIS 1:100,000 (DLG) by USGS |         |

## COSTS AND BENEFITS OF CLEAN WATER

The benefits to society of clean water can hardly be over-stated. Adequate supplies of clean water are essential to the survival and propagation of fish, shellfish and other aquatic life, as well as terrestrial vegetation and wildlife and the humans that rely on these organisms for food. Furthermore, humanity's dependence on clean water for domestic, industrial and recreational purposes is placing ever-increasing demands on limited water supplies. While the value to society of maintaining clean water is intuitive and fairly easily understood in a qualitative sense, a comprehensive economic analysis of the benefits of clean water can be far-reaching and complex. Sometimes it is useful to turn the question around: "What is the cost to society, in terms of public health, economics or other factors, of NOT achieving sound water quality conditions?" For example, drinking water contaminated with pathogens is estimated to sicken 20 million Americans each year (Reynolds *et al.* 2008). The Centers for Disease Control estimates that the costs of hospitalization for waterborne diseases could exceed \$500 million annually (CDC 2010), and in 2005, U.S.



consumers paid over \$50 million for bottled water in response to drinking water contamination (Zivin, *et al.* 2011).

Property values for single-family homes have been shown to decrease by up to 10% due to their proximity to polluted water ways (Braden *et al.* 2006). In 2007, the State of New Hampshire reported that a decrease in water clarity or purity would result in a loss of \$51 million in sales, \$18 million in income, and 810 jobs due to decreased recreation (Nordstrom 2007). Finally, Dodds *et al.* (2009) evaluated the economic impacts of human-induced eutrophication on US freshwaters and estimated that \$2.2 billion are lost annually in recreational usage, waterfront property values, water treatment costs and spending on the recovery of threatened and endangered species.

An analysis such as this typically involves comparing the costs of maintaining or restoring water quality with the socioeconomic benefits realized when the desired water quality condition is achieved. In a strict sense, this “cost-benefit analysis” has an underlying premise that a threshold exists beyond which the cost to attain the use may exceed the benefit gained, but this most certainly has implications for resources such as air and water that are essential to life on this planet. And, whereas it is possible to assign monetary costs to the construction and operation of water and wastewater treatment facilities or other activities aimed at restoring water quality, it is often more difficult to predict the value of the benefit gained from achieving water quality goals. Typically, these gains are measured by indicators such as increases in the number of fishing licenses sold, decreases in the number of shellfish bed or beach closures, or increases in property values associated with good quality waters. The aesthetic value placed on clean water, on the other hand, is more difficult to measure economically and may vary considerably from one person to the next. Another significant factor limiting the utility of this kind of analysis is the lack of data and information pertaining to the impacts of water pollution on public health and the economy. For example, the incidence of water-borne illnesses associated with swimming in contaminated waters goes largely unreported, making the resultant savings in health costs associated with the cleanup of those waters, to say nothing of the human suffering, difficult to estimate.

A complete assessment of the socioeconomic costs and benefits associated with restoring and maintaining the integrity of Massachusetts' waters is beyond the scope of this report. Nonetheless, a few examples of the financial commitments made to the protection and restoration of water resources, and the value of selected enterprises relying on those resources, can serve to illustrate the magnitude of the socioeconomic affects of clean water. The most significant financial commitment to the protection and restoration of water resources is the funding, by the Massachusetts Clean Water Trust (the Trust) of both wastewater collection and treatment infrastructure and drinking water treatment and distribution systems. In 2014 the Trust provided approximately \$175 million and \$119 million in funding for wastewater and drinking water infrastructure, respectively (MassDEP 2014). This program, and its predecessor Construction Grants Program, represent the single largest financial commitment to clean water in Massachusetts and is estimated to be over \$8 billion from 1968 to the present.

The construction grant and loan programs are by no means the only sources of capital used to ensure clean water. Private industries and institutions pay for the installation and operation of wastewater treatment and pre-treatment facilities. Furthermore, water and wastewater infrastructure will not do the job alone. For example, the management of nonpoint sources (NPS) of pollution is best accomplished through the implementation of best management practices (BMPs) and responsible land use, so resources are needed to increase public awareness and stewardship. NPS pollution reductions through the application of BMPs are a cost-effective alternative to mechanical water treatment. Practicing water conservation instead of building and operating a water filtration plant can treat drinking water at one fifth of the cost. Planting, or improving, forest buffers instead of building and operating a wastewater treatment plant can reduce nitrogen inputs for less than half the cost. Constructed wetlands can treat wastewater at one sixth the cost of conventional treatment methods. Wetlands in the Boston area have been shown to provide \$42,000 worth of flood protection per acre (USEPA 2012). The CWA Section 319 addresses the identification and management of nonpoint sources of pollution and provides grant monies for the implementation of BMPs and public education programs. Many other agencies, as well as non-governmental organizations (NGOs), such as private institutions, watershed associations and citizen environmental advocacy groups, commit



time and financial support to educating the public and promoting behaviors that will lead to cleaner waters in Massachusetts. It is difficult, however, to put a price tag on all of this good work.

As stated earlier, it is even more challenging to estimate the magnitude of the economic benefit associated with clean water than it is the costs of achieving clean water. Economic benefits from clean water in Massachusetts are reflected in data and information on sport and commercial fisheries, recreation in and on the water, tourism, and property values. The following statistics may help to illustrate the extent of these benefits, but they are by no means comprehensive or complete. The US Fish and Wildlife Service and US Census Bureau report that 497,000 recreational anglers fished a total of 7.8 million days in Massachusetts in 2006. Associated expenditures were \$770 million dollars. This includes food, lodging, transportation, fishing gear and associated equipment, licenses and fees, etc.

More recent information pertaining to revenues generated through the sale of fishing licenses and shellfishing permits in Massachusetts is summarized in the 2009 annual reports of the Massachusetts Division of Fisheries and Wildlife (MADFW) and Division of Marine Fisheries (MADMF), respectively. Sales of freshwater fishing licenses exceeded \$3.2 million in FY2009, while DMF collected over \$2.1 million in permit fees from commercial fishermen, fish and shellfish dealers and other permittees.

The marine finfish and shellfish harvests for 2013 grossed in excess of \$500 million (MADFG 2013). Because most finfish and shellfish species that comprise this commercial catch rely on near-shore waters and river estuaries for all or a portion of their lifecycles, the quality of freshwaters and their watersheds has a direct effect on the health of the offshore fishery. Reductions in ground stocks of commercially valuable fishes have been documented in the waters off New England for several years now, and this serious problem is likely attributed to a combination of environmental degradation, over-fishing and other factors that are difficult to quantify. Therefore, it is difficult to predict with certainty the direct monetary benefits to the commercial fishery from various steps taken to achieve clean water in Massachusetts' watersheds and coastal waters. Nonetheless, it stands to reason that a recovery in Massachusetts' marine fisheries cannot be accomplished if clean water is not restored and maintained in those near-shore waters. The Massachusetts Estuaries Project is currently addressing several water quality issues as they pertain to near-shore waters (see <http://www.oceanscience.net/estuaries/>).

The Massachusetts tourism industry brought in \$14.4 billion in direct spending in 2009 that generated \$915 million in state and local taxes. It is assumed that two-thirds of this travel was for leisure and that a substantial number of tourists were involved with water-related activities such as swimming, boating, fishing and viewing wildlife. Recreational whitewater releases can serve as a local economic engine. Over 100 recreational water releases were mandated in the relicensing of hydroelectric generating facilities on the Deerfield River. These releases allowed three rafting companies to be established. It is estimated that more than 85,000 people raft or boat on the Deerfield every year (FERC 1996). Furthermore, much of Massachusetts' cultural history centers on its waterways that provided food and transportation to its' endemic people and early settlers and hydropower and navigation during the industrial revolution. The aesthetic value of these waters and associated sites of interest is enhanced immeasurably by clean water. Again, although not quantified here, it is evident that the Massachusetts travel industry benefits directly from clean water and that ongoing pollution abatement will result in further economic gains for tourism. Finally, several studies have concluded that clean water has a positive effect on adjacent property values. For example, a study in Maine (Michael et al. 1996) demonstrated that lakefront properties were up to \$200 higher per frontage foot when water quality was good. Similarly, others have shown that water clarity is essential to the enjoyment of lakes and ponds and that people are willing to pay to ensure that clean water is maintained. See, for example, Krysel et al. 2003.

In summary, a detailed analysis of the socioeconomic benefit of clean water to Massachusetts' residents would be complex and time-consuming and would be better undertaken as a separate study. Nonetheless, from the examples presented, it should be evident that the restoration and maintenance of clean water, while not inexpensive, result in enormous benefit to the economy and quality of life in Massachusetts.



## AN OVERVIEW OF THE MASSACHUSETTS WATER QUALITY MANAGEMENT PROGRAM

### Watershed-based Water Quality Assessments

Watershed protection is the dominant theme of many state water quality management programs, and the EPA has endorsed this approach by providing financial and technical support for watershed-based water quality management activities. Details pertaining to the watershed approach to managing Massachusetts' water resources can be found at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/the-watershed-management-approach.html>. In 1993 the 27 major watersheds and coastal drainage areas in Massachusetts were placed on a rotating five-year schedule to synchronize several components of its water management program. Today, MassDEP continues to utilize the watershed as the fundamental planning unit for monitoring and other water management program elements. However, a change in the original watershed groupings for the five-year watershed management cycle was adopted specifically for monitoring in 2010 and thereafter. Described in more detail at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/adjustments-to-surface-water-monitoring-program.html>, the watersheds were regrouped on a regional basis to take advantage of potential benefits to monitoring survey logistics of more closely aligned watersheds, and to more equitably distribute Massachusetts' total river miles among the five groups. The new watershed alignment also facilitated the implementation of a new statistically-based monitoring program component.

An overview of Massachusetts' existing surface water monitoring program can be found at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-monitoring-program.html>. A strategic goal of the MassDEP is to implement a comprehensive monitoring program that serves all water quality management needs and addresses streams, rivers, lakes, reservoirs, estuaries, coastal areas, wetlands and groundwater. To accomplish this goal and to address a wide variety of water quality-related objectives the agency has developed a multifaceted monitoring strategy that includes monitoring elements, data analysis, reporting, and use of the data for management decisions. Major components of the monitoring program fulfill requirements of the CWA. This proposed monitoring program, developed in accordance with guidance from the EPA (EPA 2003), is described in *A Water Quality Monitoring Strategy for the Commonwealth of Massachusetts* (MassDEP 2005) which is available at the website cited above.

Results of the MassDEP's monitoring efforts, combined with all other credible data and information, constitute the basis for making water quality assessments in accordance with the requirements set forth in Section 305(b) of the CWA. Like monitoring, watershed assessments are carried out sequentially as part of the watershed management cycle. Use-attainment determinations are made for each waterbody segment for which adequate data and information are available. However, many waters are not assessed for one or more uses in any given assessment cycle, and many small and unnamed streams and ponds have never been monitored and assessed. In the past, individual use assessment decisions, along with supporting water quality data and information, were documented in individual watershed assessment reports. These are listed in the Bibliography and are available for all of Massachusetts' watersheds and coastal drainage areas at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessments.html>. The future of reporting on the assessment status of Massachusetts' waters rests with the application of EPA's Assessment Database (ADB), a process that became fully operational for the 2010 listing cycle. The ADB is a relational database for tracking water quality assessment data, including use attainment decisions, and causes and sources of impairment. The ADB is designed to make the reporting of assessment and listing decisions accurate, straightforward and user-friendly for states, tribes and other water quality reporting agencies.

### Probabilistic Monitoring and Assessment Program

The EPA guidelines for the development of state monitoring programs call for the development of sampling networks that will provide comprehensive assessments of all waters and water body types (e.g., shallow streams, large rivers, lakes, wetlands, etc.) over time. To provide complete coverage, both spatially and temporally, states are encouraged to adopt networks of randomly selected sampling sites that will allow for statistically unbiased assessments that can be applied at larger scales. Because

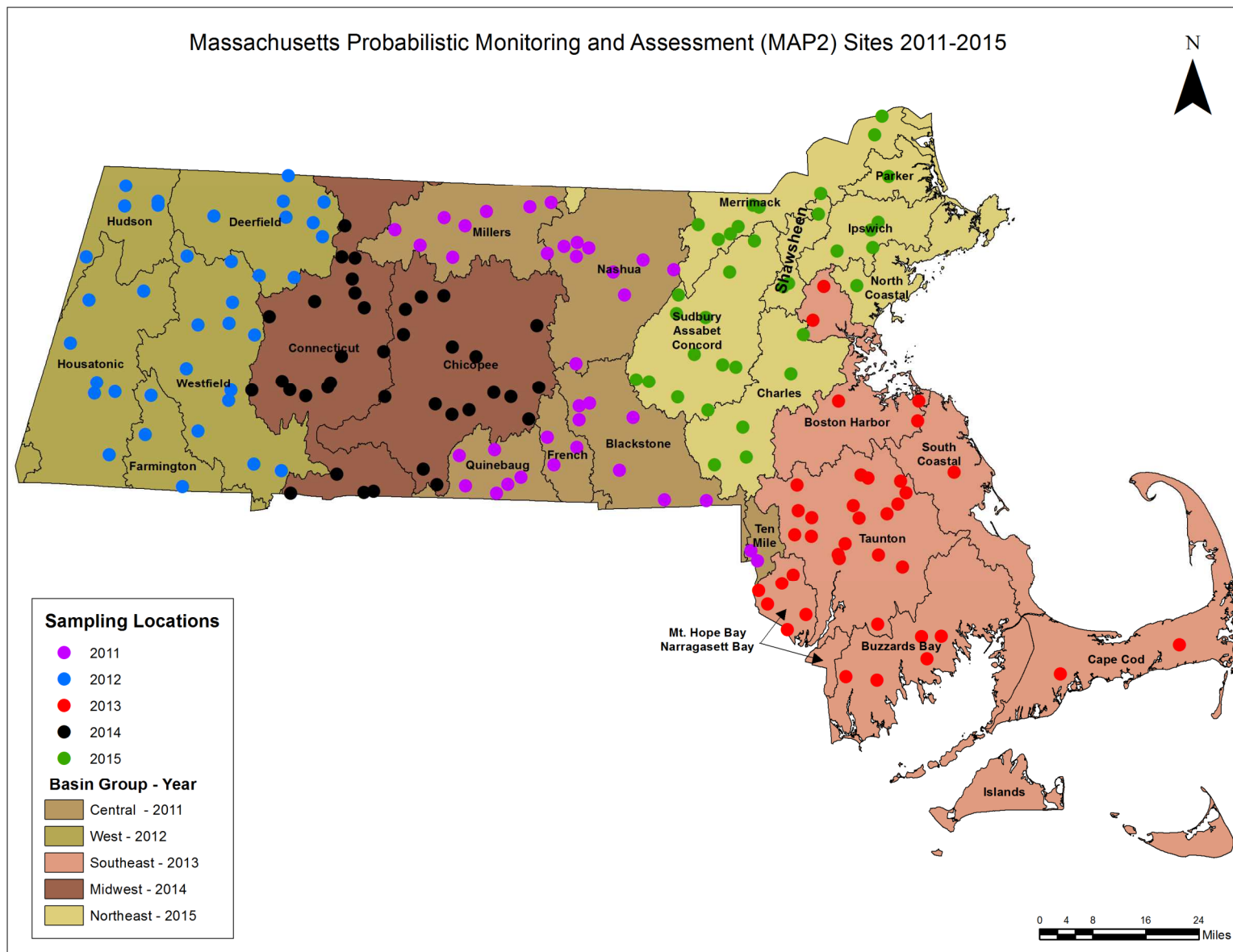


statistically-valid inferences can be drawn for an entire population of water bodies by monitoring a set of sites randomly selected from that population, a probabilistic design can achieve the goal of reporting in Section 305(b) reports the status of all waters without actually having to monitor them all. The actual number of sites chosen for monitoring will affect the overall confidence that can be placed in extrapolating up to a scale beyond the individual sites or waters sampled. These probabilistic monitoring designs are in contrast with deterministic or targeted designs that utilize non-random site selection based on previous knowledge of conditions at the sites.

In 2010 the MassDEP's surface water monitoring program initiated the implementation of a new, statistically-valid sampling design for Massachusetts' shallow streams. While making up the vast majority of river miles in the Commonwealth, many of these headwater streams and small tributaries to main stem rivers had not been monitored in the past, and a probabilistic design was chosen to provide an estimate of the condition of those water body types. The goals of the Probabilistic Monitoring and Assessment Program (MAP2) were to provide an unbiased assessment (Support/Impaired) of the aquatic life, recreational and aesthetic uses in wadeable (i.e., 1<sup>st</sup> – 4<sup>th</sup> Strahler Order), non-tidal perennial streams of Massachusetts, and, over time, to provide an analysis of trends in the use assessments of those streams. The random sampling design allows for the determination, with a known statistical confidence, the percentage of wadeable stream miles supporting and not supporting their designated uses.

To implement the MAP2 survey, Massachusetts' 1<sup>st</sup> – 4<sup>th</sup> order streams were apportioned into five separate groups or strata, one of which – the "Northeast" – was chosen to be monitored in 2010. Likewise, the "Central", "Western", "Southeastern" and "Midwestern" watersheds were monitored in 2011, 2012, 2013 and 2014, respectively. However, because changes were made to the survey design after the first monitoring season (2010), a decision was made to repeat the monitoring in the "Northeast" watersheds in 2015 in accordance with the new sampling framework. Following the 2015 survey season, water quality and biomonitoring data will be available from approximately 180 randomly selected wadeable stream sites, state-wide (see map), allowing for an assessment of the aquatic life, recreational and aesthetic use-support status of all wadeable streams in Massachusetts. Furthermore, the MAP2 study was designed such that sufficient data would be collected from each of the monitoring sites in the network to allow them to be assessed individually for these same designated uses. It is anticipated that the complete wadeable stream assessment will be available for the 2018 integrated reporting cycle.







### TMDL Program

Section 303(d) of the Clean Water Act and the EPA's Water Quality Planning and Management Regulations (40 CFR Part 130) require states to develop TMDLs for waterbodies that are not meeting designated uses under technology-based controls. The TMDL process establishes the maximum allowable loading of pollutants that a waterbody can receive and still meet the SWQS established for protecting public health and maintaining the designated beneficial uses of those waters. Through this process states implement water quality-based controls to reduce pollutant loadings from both point and nonpoint sources and restore and maintain the quality of their water resources. TMDL implementation is accomplished through adherence to prevailing regulations and program requirements such as those governing the National Pollutant Discharge Elimination System (NPDES) permits for point source control and the stormwater management performance standards maintained by conservation commissions under the Wetlands Protection Act. Furthermore, funding priority for CWA Section 319 grants and State Revolving Funds (SRF) is given to watershed clean-up projects that are consistent with TMDL Program requirements. Visit <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html> for more information pertaining to Massachusetts' TMDL Program.

A specific time frame for developing TMDLs is not set forth in either the statute or regulation governing the TMDL program. Nonetheless, in 2001 Massachusetts convened a TMDL Steering Committee to evaluate the TMDL Program and make recommendations for its improvement. This committee helped to set goals for prioritizing waters for TMDL development. Because TMDLs can take several years to develop, ongoing commitments to complete specific TMDLs are now included in each State-EPA PPA and the most recent PPA and the MassDEP Work Plan reflect the current priorities for TMDL development (see *Prioritizing Waters for TMDL Development* later in this report).

### Wastewater Discharge Permitting and Stormwater Programs

Information pertaining to the Wastewater Discharge Permitting Program can be accessed at: <http://www.mass.gov/eea/agencies/massdep/water/wastewater/surface-water-discharge-permitting-npdes.html>. Wastewater discharges to surface waters in Massachusetts are governed by permits issued in accordance with both the SWQS and guidelines set forth as part of the federal NPDES permit program. This system establishes levels of effluent quality that must be achieved at municipal, institutional and industrial treatment facilities to ensure that water quality standards are met in the receiving waters. Massachusetts has not been delegated the authority to issue NPDES permits by the EPA. Therefore, the EPA retains the responsibility for the administrative aspects of the program, including drafting the discharge permits, conducting public hearings and issuing the final permit. The MassDEP must provide state certification of the final draft permit prior to issuance in accordance with Section 401 of the CWA. The MassDEP also is a signatory to the final permit, making it a joint permit. This process results in a final discharge permit that is valid under both federal and state law, so each permitting agency has the independent right to enforce its terms and conditions. The federal CWA requires that discharges satisfy both minimum technology and water quality requirements.

The EPA's Stormwater Management Program began in the late 1990s with the regulation of medium (100,000 populace served) and large (250,000 served) municipal separate stormwater sewer systems (MS4), a wide range of industrial activities (controlled through the EPA's multi-sector general permits) and construction activities involving the disturbance of land area greater than 5 acres. Rather than limiting the concentration of individual constituents in stormwater, permit conditions emphasized the use of best management practices (BMPs) to manage stormwater. Facilities and construction sites were required to develop and implement stormwater management plans to control runoff, limit transport of pollutants off-site and to mitigate erosion and other habitat alterations associated with stormwater runoff.

The scope of the stormwater program was expanded in 2003 to include small municipalities (i.e., 237 cities and towns in Massachusetts), and public entities that operate MS4 systems, such as highways,



parks, colleges and correctional facilities. The program requirements, established in 1999 by the EPA Storm Water Phase II regulations, are being implemented in over two-thirds of the municipalities in Massachusetts and several dozen other public MS4 systems through the use of general permits. Additional information pertaining to the management of stormwater in Massachusetts can be found at <http://www.mass.gov/eea/agencies/massdep/water/wastewater/stormwater.html>.

#### Sustainable Water Management and the Water Management Act

Maintaining sufficient streamflow and reservoir levels to support fish, other aquatic life and wildlife, while responding to increased anthropogenic demands for water, is a major challenge facing Massachusetts' environmental officials and its citizenry. Massachusetts receives 44 inches of precipitation in an average year, which is plentiful compared to other parts of the country, and most of the time provides us with enough water to meet the needs of people and the environment. However, because this rainfall is not always used in the most optimal way and due to the natural climatic cycle, we cannot always meet the wide variety of human and ecological needs. This disparity can be most severe during the summer and fall months, when evaporation and human demands are highest and streamflows are naturally lowest. In extreme cases this has resulted in streams drying up seasonally resulting in a loss of fish and other aquatic species dependent on those habitats.

The MassDEP is primarily addressing streamflow alteration through the implementation of the Water Management Act (WMA). Enacted in 1985, the WMA regulates all withdrawals from ground and surface water sources that exceed an average annual volume of 100,000 gallons per day (gpd). The WMA allowed all withdrawals of this magnitude that existed between 1981 and 1985 to be registered if the applicant applied by January 4, 1988. The MassDEP allows registrants to continue these historic withdrawals provided that they meter or otherwise verify their actual water use and that they report their usage annually. New withdrawal points or increased withdrawal volumes from registered points exceeding the WMA threshold of 100,000 gpd sought after 1985 are required to obtain a withdrawal permit.

The Commonwealth launched The Sustainable Water Management Initiative (SWMI) in 2010 to develop a water policy that balances our ecological needs along with our need to support long term economic growth and development. SWMI was initiated by the Executive Office of Energy and Environmental Affairs (EEA) in partnership with the MassDEP, the Department of Conservation and Recreation (DCR), and the Department of Fish and Game (DFG). SWMI included input from a wide range of stakeholders, its purpose was to reevaluate the way the Commonwealth manages water so that there is enough for the many and sometimes competing long-term water needs of our communities and aquatic ecosystems. A SWMI Framework, based on extensive scientific analyses and an active stakeholder process, was released in November of 2012. In November 2014, MassDEP promulgated new WMA regulations that incorporate key components of SWMI.

The WMA permit application review process considers other withdrawals within the same watershed. This process includes an analysis of the potential local impacts that may result from the proposed withdrawal. Included in this local impact analysis is the identification of resources affected by water level fluctuations and a determination of acceptable groundwater levels for those resources. The impact of water withdrawals on surface water quantity and quality, as well as the effects of induced infiltration on the quality of the withdrawal water, are considered as a part of the review. Water conservation measures are included in WMA permits that reflect the State Water Conservation Standards. Water conservation standards that are included as permit conditions include: meeting an annual value of 65 residential gallons per person per day, maintaining 10 percent or less unaccounted-for water loss, and requiring seasonal reductions in nonessential outdoor uses under some environmental conditions for public water systems. Some permittees are also required to mitigate, commensurate with impact, any impacts of their water withdrawals. For more information on the WMA and water withdrawals in Massachusetts see <http://www.mass.gov/eea/agencies/massdep/water/drinking/the-massachusetts-water-management-act-program.html>.



## Nonpoint Source Program

The website <http://www.mass.gov/eea/agencies/massdep/water/watersheds/nonpoint-source-pollution.html> presents a definition of nonpoint source pollution and describes the measures and programs currently aimed at its control. In the past the EPA and the states have focused water pollution abatement programs on the control of point sources through waste load allocation and NPDES permitting. Nonpoint source pollution is not as easily assessed nor controlled, for it is intricately linked with the use of the land and land-use decisions are made at the local level. For this reason federal and state efforts are aimed at educating local officials and the public-at-large with respect to the importance of land-use planning and zoning, the use of BMPs to control stormwater, and other measures for preventing nonpoint pollution. Critical to the success of this approach is the establishment of partnerships between all of the parties that have an interest in the process. By bringing these parties together problems are identified and prioritized and innovative solutions are developed. Moreover, the watershed represents a logical planning unit on which to focus this effort.

A Nonpoint Source Management Plan was originally developed by the MassDEP in 1988 pursuant to Section 319 of the CWA. The 2014 – 2019 Massachusetts Nonpoint Source Management Plan was finalized on September 30, 2014. This plan sets forth an integrated strategy for the prevention, control, and reduction of pollution from nonpoint sources in an effort to protect and improve the quality of the waters of the Commonwealth and serves as a framework on which the changes to the SRF regulations are built. An update to the 6217 plan for coastal nonpoint source pollution is also incorporated into the 2014 – 2019 Plan. Each year Congress appropriates funds under Section 319 to assist the states with the implementation of their approved Nonpoint Source Management Plans. Implementation activities include: regulatory enforcement, technical assistance, education, training, technology transfer, watershed restoration and demonstration projects. Only those implementation strategies identified in the Management Plan are eligible for federal funding. Since 1990, and extending through 2015, the MassDEP has administered 270 Section 319 nonpoint source management projects, which total over \$48 million. The Massachusetts Nonpoint Source Management Plan can be obtained from the Nonpoint Source Program's internet site presented above.

In addition to the updates to the Nonpoint Source Management Plan, the MassDEP is revising the 2003 Nonpoint Source Management Manual. Now referred to as the Clean Water Toolkit, the manual is a compilation of nonpoint source best management practices that was first developed in 1998. Since then our understanding of nonpoint source issues and best management practices has evolved, as have the options for presenting and distributing such material. In 2003, a Section 319 grant was used to revise and update the original hard copy Manual in electronic and web-based form. The current revisions will add interactive media, updated information and links and additional user-friendly tools and resources. New topics include municipal good housekeeping, low impact development, Phase II stormwater and related material. The Clean Water Toolkit can be accessed at the Nonpoint Source Program's internet site.

In April 2013, the EPA issued new Nonpoint Source Program and Grants Guidelines for States and Territories. The Guidelines continue to promote the use of Section 319 funding for developing and implementing Watershed-Based Plans to protect unimpaired waters and restore impaired waters. Watershed-Based Plans to restore impaired waters are required for all projects implemented with Section 319 incremental dollars, and are recommended for all watershed projects, whether they are designed to protect unimpaired waters, restore impaired waters, or both. The new Guidelines also required states to update their Nonpoint Source Management Plans (NPS Plans) by October 1, 2014, and encouraged close cooperation with the U.S. Department of Agriculture (USDA) and agricultural agencies to leverage funds available from the Farm Bill to address water quality issues from farming operations. The revised Massachusetts NPS Plan, approved by the EPA in September 2014, presents a strategy for preventing, controlling, and reducing pollution from nonpoint sources and reflects the current priorities of the Massachusetts Nonpoint Source, as well as the latest EPA program guidelines, funding levels, and staff resources for the five-year period 2014-2019. Finally, the new Guidelines encourage states to incorporate the protection of healthy watersheds into state nonpoint source programs, and allow the use of 319 funds for that purpose.



### Clean Water SRF

Information pertaining to the Massachusetts' SRF for water pollution abatement projects and drinking water infrastructure can be accessed at <http://www.mass.gov/eea/agencies/massdep/water/grants/state-revolving-fund.html>. Administered jointly by the MassDEP's Division of Municipal Services (DMS) and the Massachusetts Clean Water Trust (the Trust), the SRF was established to provide a low-cost financing mechanism to assist municipalities and wastewater districts/authorities seeking to comply with federal and state water quality requirements. The SRF loan program receives funding from the EPA in the form of an annual grant, supplemented by state matching funds and funds paid back by previous borrowers. The Trust, in turn, leverages these funds through the sale of bonds, resulting in a much larger pool of money to loan to borrowers. In state fiscal year (FY) 2013 the Trust provided \$186 million in financing for 46 loans to communities across the Commonwealth. Since its inception in 1989, the SRF loan program has provided approximately \$6 billion in loans to over 300 borrowers to improve and maintain the quality of water in Massachusetts.

Each year the MassDEP solicits projects from Massachusetts municipalities and wastewater districts to be considered for subsidized loans, which are currently offered through a two percent interest rate loan. Certain nutrient removal projects may be eligible for zero percent interest rate loans. Financial assistance is available for planning and construction of infrastructure, including new water and wastewater treatment facilities and upgrades of existing facilities; infiltration/inflow correction; drinking water distribution and wastewater collection systems; control of combined sewer overflows (CSO); brownfields water resource infrastructure improvement; and nonpoint source pollution abatement projects, such as landfill capping, community programs for upgrading septic systems (Title 5) and stormwater remediation. In addition, non-structural projects are eligible for SRF funding; e.g., planning projects for nonpoint source problems that are consistent with the Massachusetts Nonpoint Source Management Plan and that identify pollution sources and suggest potential remediation strategies.

### **MASSACHUSETTS WETLANDS PROTECTION AND ASSESSMENT PROGRAMS**

MassDEP administers both regulatory and non-regulatory programs aimed at the assessment and protection of the Commonwealth's valuable wetland resources. All of these programs are presented in detail at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/wetlands-protection.html#top>. Three programs with applicability to the assessment of waters under the CWA are briefly summarized below.

#### Wetlands Regulatory Program

The MassDEP protects inland and coastal wetlands pursuant to the Massachusetts Wetland Protection Act (WPA) (M.G.L. Ch. 131 § 40), first enacted in 1972, and the WPA regulations at 310 CMR 10.00. The WPA regulations provide strong protection of bordering vegetated wetlands, allowing for no more than 5000 square feet of alteration and requiring full replacement in most cases, and only if the altered area is replaced in a manner that will function similarly to the lost area. In Massachusetts, implementation of the WPA is administered by local Conservation Commissions and approximately 8,500 applications ('Notices of Intent') are submitted each year. MassDEP is responsible for appeals, Water Quality Certifications (WQC) under Section 401 of the CWA and enforcement.

In 1996 the Massachusetts Legislature amended the WPA to provide additional protection to rivers. Known as the Massachusetts Rivers Protection Act, this amendment regulates activities within a newly established wetland resource area known as the Riverfront Area. The River Protection Act extends to rivers the protection originally offered only to wetlands, with the same overall goals and purposes: protection of private and public water supply, groundwater protection, flood control, prevention of storm damage, prevention of pollution and protection of wildlife habitat, shellfish beds and fisheries.



### Wetlands Loss and the Wetland Information Resource (WIRe) Project

Until recently, MassDEP had no comprehensive strategy to monitor compliance with permits, or to identify illegal wetland fill. In 2001, MassDEP initiated a unique state-of-the-art digital aerial surveillance program, using remote sensing data to identify wetland alterations from activities such as clearing, building or filling. Aerial imagery flown in 2001 was compared to imagery flown between 1990 and 2000 over approximately 70 percent of the state. This analysis determined that over 840 acres of wetlands at 3,244 sites were filled between 1990 and 2001. While this loss is a relatively small portion of the total wetland acreage in Massachusetts, it is far more than is acceptable. In 2005, a new flight covered the remainder of the state and identified wetlands loss that occurred between 2001 and 2005. This analysis indicated a loss of 482 acres at 1,473 sites. Depending on the region of the state, the rates of wetlands loss have remained the same, or been slightly reduced over the two periods of 1990-2001 and 2001-2005. Through this ongoing effort, MassDEP is developing reliable and verifiable data on freshwater wetland loss. MassDEP has also examined the areas of loss to see what types of activities account for the most change. The latest 2005 imagery analysis indicates that commercial and residential development continue to be large contributors to wetland loss, and that cranberry bog operations, other agricultural activities and sand and gravel operations account for a smaller, yet substantial, percentage of overall loss.

It is the goal of the MassDEP to reduce wetland loss in the future by targeting compliance, enforcement and outreach to those sectors contributing to the greatest losses. In 2005, utilizing grant funding from the EPA, the MassDEP launched a three-year project aimed at integrating wetland loss maps and other geographic information system (GIS) maps with MassDEP's permitting and enforcement records. The Wetland Information Resource (WIRe), accessed on-line at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/massdeps-wetland-information-resource-wire.html>, allows the MassDEP to more easily track permitted impacts, determine responsibility for wetland loss, pursue enforcement and monitor compliance and mitigation success.

### Wetlands Monitoring and Assessment Strategy

The website <http://www.mass.gov/eea/agencies/massdep/water/watersheds/wetlands-protection.html#2> provides detailed information on the MassDEP's Wetland Monitoring and Assessment Program. The MassDEP's Wetlands Program has been working collaboratively with the University of Massachusetts-Amherst (UMass) and the Massachusetts Coastal Zone Management (CZM) Program since 2006 to develop a strategy to monitor and assess wetlands for purposes of reporting on the status and trends of all wetlands across the state and for developing criteria to monitor and assess the physical, chemical and biological integrity of wetlands for reporting under §305(b) of the CWA. The central feature of the Massachusetts strategy is the Conservation Assessment and Prioritization System (CAPS), a landscape-level assessment model that has been under development by UMass for 14 years (see <http://www.umasscaps.org/about/index.html>). CAPS combines land-cover mapping derived from GIS and aerial photography with 26 inland and coastal stressor or resiliency metrics, each representing a stressor on the environment, to calculate a value between 0 and 1 for each 30 square meter plot on the landscape. A complete list of metrics can be found at: <http://www.umasscaps.org/about/metrics.html>. The CAPS computer model can analyze individual metrics, or combine them to derive an Index of Ecological Integrity, or IEI. Wetland IEI values generated from the CAPS model define a continuous gradient that is inversely proportional to the magnitude of stressors acting on those wetlands (generalized stressor gradient). High IEI scores (approaching 1.0) are indicative of communities that are relatively free from stressors. The IEI is a *predictor* of the capacity of a wetland to sustain its ecological condition in the long term and to recover from stress.

Because CAPS does not use field-based information to assess ecological conditions on the ground, site-level assessment methodologies (SLAMs) are being developed that utilize actual measurements of biological integrity in the field to evaluate wetland condition and calibrate the CAPS model. Efforts are ongoing to identify dose-dependent relationships that may exist between the field data and the metrics



modeled in CAPS, and to develop Indices of Biological Integrity (IBIs) to incorporate into the SLAMs. IBIs are metrics used to quantify changes in biological communities in response to adverse human activity and can serve as indicators of particular stressors acting on a wetland or water body, as well as providing a composite score for biological condition. To date, SLAMs have been developed for forested wetlands and salt marshes and these have been used to sample 219 forested wetland sites and 175 salt marsh sites that were randomly selected along a gradient of IEI values. These data, along with data from 490 wadable streams collected by the MassDEP's Division of Watershed Management (DWM) have been used to test and validate the CAPS predictions and modify (as needed) the CAPS models; and to develop IBIs for use in assessing site-specific wetland condition.

In September 2013, the IBI development work was documented in a report entitled: *Empirically Derived Indices of Biotic Integrity for Forested Wetlands, Coastal Salt Marshes and Wadable Freshwater Streams in Massachusetts*. This report describes the effort to develop IBI's and the results. In summary, 60 of 164 separate IBI's created for single taxonomic groups (and sampling methods) across stressor metrics and ecological systems were deemed statistically and ecologically reliable. This report is available at <http://www.mass.gov/eea/docs/dep/water/resources/a-thru-m/ibifin.pdf>

When developing numeric criteria for the aquatic life use in water quality standards, the EPA has suggested that states consider designating tiers corresponding to various levels of biological condition based on the Biological Condition Gradient (BCG). Contrary to this Tiered Aquatic Life Use (TALU) design, however, the MassDEP Wetlands Program staff intends to establish criteria for aquatic life that avoid the undesirable effects of dividing a continuous environmental gradient into discrete tiers. To this end, a Continuous Aquatic Life Use or CALU is proposed whereby numeric criteria for the aquatic life use are derived by defining the acceptable range of variability around the relationship between predicted (IEI) and actual (IBI) wetland condition. Because both the IEI and the IBI yield scores that are continuous throughout their range, it is possible to create numeric criteria for biological condition based on each site's particular landscape context without creating separate tiers or classes. In addition to assessing the condition of a particular site (i.e., "meeting standards", "degraded", etc.), the CALU approach can also be used to identify sites of high-value that could be targeted for increased protection through the application of no-discharge provisions, increased buffer zone protection or other measures. Finally, the CALU analysis can support effective wetlands mitigation by establishing targets (e.g., IBI scores) for the aquatic life use and tracking progress toward meeting those targets.

In 2013 the MassDEP Wetland Program was awarded a Wetland Program Development Grant (WPDG) by the EPA to use the monitoring and assessment tools developed to date to sample 40 forested wetlands in the Chicopee River Watershed and use CAPS, IBI's and CALU to assess those sites. This work will be undertaken in 2014 to coincide with the MassDEP's five-year watershed monitoring and assessment cycle. The sampling will follow the approved Quality Assurance Project Plan (QAPP) for Forested Wetland Monitoring and Assessment: Chicopee Watershed (available at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/quality-assurance-project-plans-gapps.html>). The CALU assessments for specific sites sampled, and the CAPS IEI values for all wetlands will be used to identify degraded and pristine areas. Individual CAPS metrics will be assessed to determine which stressors are contributing the most to site condition so that strategies for restoration or preservation (e.g., culvert improvements, impervious surface removal, removal of tidal restrictions) can be formulated. Working in collaboration with DWM's Watershed Planning Program, results of the wetland assessments will be presented in Massachusetts' biennial Integrated List of Waters report. Sampling of wetlands in the Northeast watersheds is planned for 2015.

## THE MASSACHUSETTS SURFACE WATER QUALITY STANDARDS

The establishment of achievable goals for surface waters is fundamental to their restoration and protection. To this end, states adopt water quality standards that ascribe these goals in the form of beneficial uses that are assigned to specific defined waterbodies. For example waters may be designated for the support of aquatic life, recreational use, and fish and shellfish consumption. Water quality standards also specify



criteria that waterbodies must meet in order to support their assigned uses. Criteria may be expressed as numerical values that should not be exceeded in ambient water, such as the geometric mean of all *E. coli* samples shall not exceed 126 colonies per 100 milliliters (ml), or a minimum instream dissolved oxygen concentration of 5 milligrams per liter (mg/l). Alternatively, water quality standards may include narrative statements that waters shall be free from constituents in concentrations that would impair their intended uses.

The Massachusetts SWQS are found at 314 CMR 4.00 and are available on-line at <http://www.mass.gov/eea/agencies/massdep/water/regulations/314-cmr-4-00-mass-surface-water-quality-standards.html>. The SWQS assign all inland and coastal and marine waters to classes according to the intended beneficial uses of those waters. For example Class A waters are designated as the source of public water supplies and, where compatible with this use, should also be suitable for supporting aquatic life, recreational uses such as swimming and boating and fish consumption. Class B waters are not water supplies, but are designated for all of the other uses cited above for Class A. Finally, Class C waters should be suitable for aquatic life and recreational uses where contact with the water is incidental, such as boating and fishing, but may not be suitable for swimming, diving or water skiing. Inland waters are also subcategorized as to fishery type (cold water fishery, warm water fishery or aquatic life) based on the waterbody's natural capacity to support these resources. Massachusetts' coastal and marine waters are assigned to classes (i.e., SA, SB and SC) that distinguish shellfish harvesting and recreational uses while providing suitable habitat for wildlife, fish and other aquatic life. In any case, minimum criteria (e.g., dissolved oxygen, temperature, etc.) are specified for each class based on the most sensitive use designated to that class. Additional criteria that apply to all surface waters are also included in the SWQS.

Some waters are designated for special protection under the antidegradation provisions of the SWQS. These provisions restrict or prohibit the authorization of wastewater discharges to critical resource waters. Most notable is the Outstanding Resource Water (ORW) designation that applies to all Class A waters and certain Class B, Class SA and Class SB waters. These waters exhibit exceptional socio-economic, recreational, ecological and/or aesthetic qualities. Outstanding Resource Waters include, but are not limited to, Class A public water supplies and their bordering vegetated wetlands and vernal pools certified as such by the Massachusetts Division of Fish and Game. Other waters designated as ORWs may include those protected by special legislation, as well as selected waters found in National Parks, State Forest and Parks, or Areas of Critical Environmental Concern (ACECs).

The adoption of water quality standards is a public process and the CWA specifies that states hold public hearings at least once every three years to review and, where appropriate, revise their water quality standards. Following a public review process held in January-February 2006, the MassDEP adopted the most recent revisions to the SWQS on December 29, 2006. These were subsequently submitted to the EPA for review in January 2007, and on March 26, 2007 the EPA approved some revisions while indicating that the remaining revisions proposed by the MassDEP were still under review. In September 2007, the EPA approved an additional set of the revisions adopted in 2006.

From this brief overview it should be evident that the process of assessing surface waters (305b) and listing impairments (303d) is inextricably linked to the SWQS, as they define the uses that are to be evaluated for any given waterbody and the criteria for determining whether or not those uses are, in fact, supported. Furthermore, SWQS changes from one triennial review to the next can alter the methodology used to make assessment and listing decisions and resulting changes to that methodology would need to be documented in the program's *Consolidated Assessment and Listing Methodology*. Historically, since assessments were sequentially carried out as part of the MassDEP's rotating watershed management schedule, it is possible for more than one assessment methodology to be represented within a single integrated list reporting cycle.



**GENERAL APPROACH TO ASSESSING MASSACHUSETTS' WATERS**Sources of Information

Reliable scientific data and technical information are essential for making water use assessments. It is the EPA's policy (EPA Order 5360.1 CHG 1) that any organization performing work for or on behalf of the EPA must establish a quality system to support the development, review, approval, implementation and assessment of data collection operations. To this end, the MassDEP describes its Quality System in an EPA-approved Quality Management Plan to ensure that environmental data are of known and documented quality and are suitable for their intended use. In preparing lists of impaired waters to meet Section 303(d) requirements states must consider all existing and readily available data and information. The MassDEP sequentially completes watershed assessments within the broader context of its five-year rotational watershed monitoring, assessment and management schedule. Accordingly, the MassDEP also solicits data and information from any and all potential external parties in adherence to that same rotating watershed schedule. Data and information from third parties are subject to the same documentation and validation procedures utilized for data generated by the MassDEP. In order to accept data from third parties to be used for Section 303(d) listing and other related regulatory purposes the MassDEP requires the following: 1) an appropriate QAPP including a laboratory Quality Assurance/Quality Control (QA/QC) plan; 2) use of a state certified lab (or as otherwise approved by DEP for a particular analysis); and 3) sample data, QA/QC and other pertinent sample handling information documented in a citable report.

Specific sources of information used for the assessments are cited in individual watershed assessment summary reports (see: <http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessments.html>). They include monitoring data reports from state and federal agencies and nongovernmental organizations (NGO), as well as reports on projects resulting from state or local grants or federally funded through CWA sections 314, 319, 104(b)3 or 604(b).

Section 314 of the CWA provided for cooperative agreements between federal, state and local entities to restore publicly owned freshwater lakes and ponds and protect them against degradation. During the late 1970s through the early 1990s diagnostic and feasibility (D&F) studies were completed for several lakes and ponds throughout Massachusetts and these were used in earlier 305(b) assessments and 303(d) listing decisions. Information from these studies continues to carry over into new assessment and listing cycles unless new monitoring information results in a change in their assessment and listing status. Likewise, information contained in the nonpoint source assessment report prepared in 1989 in accordance with the requirements of Section 319 is also reflected in 305(b) and 303(d) reporting elements unless more recent information has resulted in a modification of the original assessment.

The following generic list provides sources that are typically consulted when making watershed assessments. Note, however, that this list is not complete and individual watershed assessment documentation should be consulted for specific sources of data and related information.

*State Agencies*

Massachusetts Division of Marine Fisheries  
Massachusetts Division of Fisheries and Wildlife  
MassDEP, Drinking Water Program  
MassDEP, Wetlands and Waterways Program  
MassDEP, Watershed Planning Program  
MassDEP, Wastewater Management Program  
Massachusetts Office of Coastal Zone Management (CZM)  
Massachusetts Department of Conservation and Recreation (DCR)  
Massachusetts Department of Public Health (DPH)  
Massachusetts Water Resources Authority (MWRA)





### *Federal Agencies*

U.S. Geological Survey  
U.S. Environmental Protection Agency  
U.S. Fish and Wildlife Service  
U.S. Army Corps of Engineers  
National Oceanographic and Atmospheric Administration

### *Other Sources*

Massachusetts Water Resources Research Center  
Colleges, Universities and associated academic institutions  
Watershed and lake associations  
Citizen monitoring programs  
Municipal Conservation Commissions (nonpoint source assessment)  
NPDES Permit Monitoring Requirements  
Municipal Facilities Plans  
Environmental consultants

### Consolidated Assessment and Listing Methodology (CALM)

In July, 2012, the MassDEP published the *Massachusetts Consolidated Assessment and Listing Methodology (CALM) Guidance Manual*. This manual contains a brief summary of the Massachusetts SWQS that define the goals for water quality in the state (MassDEP 2006), the requirements for assessing the quality of data to be used for CWA reporting, the methods of reviewing water quality data and information used by the analysts at the MassDEP DWM to make use assessment decisions, and the use of the EPA's ADB for consolidated reporting and the generation of the *2012 Massachusetts Integrated List of Waters*. Refer to <http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessments.html> to access the CALM document.

The CWA Section 305(b) water quality reporting process, embodied in the MassDEP watershed assessments and Integrated List of Waters, is an essential aspect of the Nation's water pollution control effort. It is the principal means by which the EPA, Congress, and the public evaluate existing water quality, assess progress made in maintaining and restoring water quality, and determine the extent of remaining problems. In so doing, the States report on water bodies within the context of supporting their designated uses. These uses include: aquatic life, fish consumption, drinking water, primary contact recreation, secondary contact recreation, shellfish harvesting and aesthetics. Two subclasses of aquatic life that are also designated in the standards are cold water fishery (capable of sustaining a year-round population of cold water stenothermal aquatic life, such as trout), and warm water fishery (waters that are not capable of sustaining a year-round population of cold water stenothermal aquatic life).

As explained earlier, the SWQS prescribe minimum water quality criteria to sustain the designated uses. Furthermore, these standards describe the hydrological conditions at which water quality criteria must be applied: *"For rivers and streams, the lowest flow condition at and above which aquatic life criteria must be applied is the lowest mean flow for seven consecutive days to be expected once in ten years (7Q10)...In waters where flows are regulated by dams or similar structures, the lowest flow condition at which aquatic life criteria must be applied is the flow equaled or exceeded 99% of the time on a yearly basis, or another equivalent flow agreed upon by the Department and the federal, state or private entity controlling the flow...In coastal and marine waters and for lakes and ponds, the Department will establish extreme hydrologic conditions at which aquatic life criteria must be applied on a case-by-case basis."* [314 CMR 4.03(3)].

The determination of whether or not a waterbody supports each of its designated uses is a function of the type(s), quality and quantity of available current information. While the water quality standards prescribe



minimum water quality criteria to sustain the designated uses, numerical criteria are not available for every indicator of pollution. Best available guidance in the literature may be applied in lieu of actual numerical criteria. Excursions from criteria due solely to “naturally occurring” conditions do not constitute violations of the SWQS and are not causes of use impairment.

If possible, each use, within a given segment, is individually assessed as **support** or **impaired**. When too little current data/information exist, or no reliable data are available, the use is **not assessed**. However, if there is some indication of water quality impairment, which is not “naturally-occurring”, the use is identified with an “Alert Status.” It is important to note that not all waters are assessed. Many small and/or unnamed rivers, lakes and estuarine areas have never been assessed; the status of their designated uses has never been reported to the EPA in the Commonwealth’s Summary of Water Quality Report (305(b) Report) nor is information on these waters maintained in the ADB. These are considered **not assessed other waters**.

The MassDEP typically provides details pertaining to the assessment process and its application to specific waterbodies in individual watershed summary reports that are completed on a continuous rotating schedule and can be viewed at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessments.html>. Although the format of these reports continues to undergo revision, their purpose is to present, for each segment or AU in the watershed, a determination with regard to whether or not individual designated uses are supported. These assessment summaries are a useful means for conveying what is known about the status of the water resources in each watershed and to make the assessment and listing process more transparent to the EPA and the public. As such, the assessment documentation is also considered a fundamental element of Massachusetts’ submittal to the EPA under Section 305(b) of the CWA. Irrespective of how states choose to report on the status of their waters, however, the EPA encourages states to also store assessment decisions in an electronic database designed for that purpose. For earlier listing cycles, up to and including 2002, the MassDEP stored assessments in EPA’s Water Body System (WBS). For each segment in the WBS a use-support determination was made and, whenever possible, causes and sources of impairment were specified.

The EPA discontinued its support of the WBS after the 2002 listing cycle. Instead, the newly developed ADB was introduced as the preferred database application for tracking water quality assessment data, including use attainment, and causes and sources of impairment. The ADB was designed to improve the quality and consistency of water quality assessment reporting, improve water quality data analysis, and reduce the burden of preparing reports under sections 305(b), 303(d), 314 and 319 of the CWA. With the submittal to the EPA of the Final 2010 Integrated List, the MassDEP completed its transition from the use of the WBS to full implementation of the ADB.

It should be noted that the ADB and its precursor databases never contained a file for every surface water or segment thereof in Massachusetts. Rather, waters represented are only those for which assessments of one or more designated uses were actually completed at one time in the past. As assessments are carried out in new waters, these will be added to the ADB resulting in greater representation of Massachusetts’ surface waters in future versions of the Integrated List. The MassDEP acknowledges that with the new multi-part listing format, all surface waters could be categorized whether or not they have ever been assessed. However, the time and resources are currently not available to add all of the surface waters in Massachusetts to the ADB. Therefore, it is acknowledged that many of Massachusetts’ surface waters that have never been assessed are missing from the 2014 Integrated List. By definition, however, they are all Category 3 waters.

## DEVELOPMENT OF THE 2014 INTEGRATED LIST

The EPA’s guidance for the development of the 2014 Integrated List was outlined in a memorandum, dated September 3, 2013, from Denise Keehner, Director of the EPA’s Office of Wetlands, Oceans and Watersheds to the EPA regional Water Division directors. This guidance recommends that states prepare their 2014 Integrated List submissions consistent with previous EPA guidance, such as that issued for



2006 through 2012. A summary of all EPA Section 303(d) program guidance can be found on-line at <http://water.epa.gov/lawsregs/lawsguidance/cwa/tmdl/guidance.cfm>.

The final version of the *Massachusetts Year 2012 Integrated List of Waters* was submitted to the EPA on March 27, 2013 and the 303(d) List was approved on May 2, 2013. The 2012 submittal, along with the EPA guidance described above, served as the basis for the development of the 2014 Integrated List. Since the EPA guidance continues to call for best efforts to provide on-time Integrated Report submittals, a decision was made to submit the 2014 Integrated List as close to the April 1, 2014 deadline as possible, even if there were relatively few changes from the 2012 List. Since the completion of the 2012 reporting cycle, the MassDEP has focused on improving the process by which watershed assessments are carried out and making significant revisions to its Consolidated Assessment and Listing Methodology (CALM) for the 2016 listing cycle and beyond. The 2016 CALM will specify how new kinds of data and information, such as long-term dissolved oxygen and temperature data, will be used to make assessments in the future. Other enhancements will include clarification on the use of response indicators when assessing impairments associated with nutrients. Meanwhile, TMDL approvals and new DPH fish consumption advisories issued since the completion of the 2012 Integrated List, as well as comments received during the public review period, comprise the new information supporting the 2014 listing decisions. A complete list of the MassDEP watershed assessment reports embodied in the 2014 categorization of waters can be found in the Bibliography.

#### List Categories 1 - 4

Integrated List categories 1-3 include those waters that are either unimpaired or not assessed with respect to their attainment of designated uses. Often insufficient data and information exist to assess all designated uses of any particular waterbody or segment. Furthermore, no Massachusetts waters are listed in Category 1 because a statewide DPH advisory pertaining to the consumption of fish precludes any waters from being in full support of the fish consumption use (see Fish Consumption Advisories later in this section). Waters listed in Category 2 were found to support the uses for which they were assessed, but other designated uses were not assessed. Furthermore, the Category 2 list does not contain every waterbody or segment (i.e., AU) for which one or more uses are supported. Many waters appearing in categories 4 and 5, while impaired for some uses (see below), are supporting other uses. Due to space constraints, however, supported uses are not presented for those impaired waters. Rather, individual watershed assessments should be consulted for a complete report on the support status of each designated use for every AU.

Category 3 contains those waters for which insufficient or no information was available to assess any uses. Waters for which assessments were determined to be insufficient for 303(d) listing were also included in Category 3.

Waters exhibiting impairment for one or more uses are placed in either Category 4 (impaired, but not requiring TMDLs) or Category 5 (impaired, and requiring one or more TMDLs) according to the EPA guidance. Category 4 is further divided into three sub-categories – 4a, 4b and 4c – depending upon the reason that TMDLs are not needed. Category 4a includes waters for which the required TMDL(s) have already been completed and approved by the EPA. However, since MassDEP chooses to list each segment in only one category, waters that have an approved TMDL for some pollutants, but not others, remain in Category 5 until TMDLs are approved for all of the pollutants impairing those waters. The EPA tracks the states' progress with completing TMDLs in its Assessment and Total Maximum Daily Load Tracking and Implementation System (ATTAINS) which can be accessed at <http://www.epa.gov/waters/ir>. This system assigns a unique identification number to each approved TMDL which is included for reference in categories 4a and 5 of the 2012 List. All of the TMDLs approved by the EPA for Massachusetts' waters through July 2013 are presented in the table below, and full citations are provided in the bibliography. The individual TMDL documents, themselves, can be accessed on-line at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html>.



List of TMDLs Approved by the EPA for Massachusetts' Waters

| EPA TMDL Number                                                                         | TMDL Report Title                                                                                       | Approval Date      |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------|
| 5, 6                                                                                    | Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes (CN 112.0)                 | April 12, 2002     |
| 175, 360, 361, 379                                                                      | Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes (CN 70.1)                | May 2, 2002        |
| 444                                                                                     | Total Maximum Daily Loads of Phosphorus for Lake Quinsigamond and Flint Pond (CN 115.0)                 | June 28, 2002      |
| 498, 550                                                                                | Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes (CN 70.1)                | May 2, 2002        |
| 644                                                                                     | Total Maximum Daily Loads of Phosphorus for Lake Quinsigamond and Flint Pond (CN 115.0)                 | June 28, 2002      |
| 651, 653                                                                                | Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes (CN 112.0)                 | April 12, 2002     |
| 671                                                                                     | Total Maximum Daily Load of Phosphorus for Leesville Pond (CN 117.0)                                    | June 28, 2002      |
| 675                                                                                     | Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes (CN 112.0)                 | April 12, 2002     |
| 722                                                                                     | Total Maximum Daily Loads of Phosphorus for Selected Chicopee Basin Lakes (CN 118.0)                    | April 12, 2002     |
| 726                                                                                     | Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes (CN 112.0)                 | April 12, 2002     |
| 804, 862, 938                                                                           | Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes (CN 70.1)                | May 2, 2002        |
| 1332                                                                                    | Total Maximum Daily Loads of Phosphorus for Selected Chicopee Basin Lakes (CN 118.0)                    | April 12, 2002     |
| 2319                                                                                    | Total Maximum Daily Loads of Phosphorus for Salisbury Pond (CN 114.0)                                   | June 28, 2002      |
| 2323                                                                                    | Total Maximum Daily Loads of Phosphorus for Indian Lake (CN 116.0)                                      | June 28, 2002      |
| 2353                                                                                    | Total Maximum Daily Loads of Phosphorus for Lake Boon (CN 119.0)                                        | June 28, 2002      |
| 2354-2371, 2373-2375                                                                    | Total Maximum Daily Loads of Phosphorus for Selected French Basin Lakes (CN 110.0)                      | July 12, 2002      |
| 2377, 2382, 2385, 2389-2392                                                             | Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes (CN 70.1)                | May 2, 2002        |
| 2586                                                                                    | Total Maximum Daily Loads of Bacteria for Little Harbor (CN 120.0)                                      | September 12, 2002 |
| 2587                                                                                    | Total Maximum Daily Loads of Bacteria for the Shawsheen River Basin (CN 122.0)                          | September 12, 2002 |
| 2592                                                                                    | Total Maximum Daily Loads of Bacteria for Neponset River Basin (CN 121.0)                               | June 21, 2002      |
| 2615                                                                                    | Bare Hill Pond, Harvard, MA. (MA81007) TMDL (CN 14.0)                                                   | November 2, 1999   |
| 3626, 3629-3631, 3633                                                                   | Total Maximum Daily Loads of Phosphorus for Selected Chicopee Basin Lakes (CN 118.0)                    | April 12, 2002     |
| 4115, 4117, 4118, 4123-4125, 4127, 4128, 4133, 4134, 4136, 4137, 4140, 4141, 4144, 4145 | Total Maximum Daily Loads of Phosphorus for Selected Millers Basin Lakes (CN 123.2)                     | February 5, 2003   |
| 22512                                                                                   | Bacteria TMDL for Muddy Creek, Chatham and Harwich, Massachusetts. (CN 208.0)                           | April 28, 2005     |
| 22513                                                                                   | Bacteria Total Maximum Daily Load for Frost Fish Creek, Chatham, Massachusetts. (CN 207.0)              | April 28, 2005     |
| 30341                                                                                   | Pleasant Bay System Total Maximum Daily Loads for Total Nitrogen (CN 244.0)                             | October 24, 2007   |
| 30702                                                                                   | Bacteria TMDL for Kickamuit River. (CN 285.0)                                                           | September 29, 2006 |
| 32364-32366, 32370-32374, 32376, 32377, 32379-32383                                     | Total Maximum Daily Loads for Pathogens within the Charles River Watershed (CN 156.0)                   | May 22, 2007       |
| 32532, 32534, 32535, 32537, 32638                                                       | Great, Green and Bournes Pond Embayment Systems Total Maximum Daily Loads for Total Nitrogen (CN 181.0) | July 18, 2007      |



|                            |                                                                                                                                                      |                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 33780, 33781, 33786-33799  | Pleasant Bay System Total Maximum Daily Loads for Total Nitrogen (CN 244.0)                                                                          | October 24, 2007   |
| 33811-33815                | Nitrogen TMDL Report for the Quashnet River, Hamblin Pond, Little River, Jehu Pond, and Great River in the Waquoit Bay System (CN 218.0)             | November 7, 2007   |
| 33826                      | Total Maximum Daily Load for Nutrients in the Lower Charles River Basin, Massachusetts (CN 301.0)                                                    | October 17, 2007   |
| 33846                      | Total Maximum Daily Loads of Total Phosphorus for Quaboag & Quacumquasit Ponds (CN 216.1)                                                            | November 28, 2007  |
| 33858                      | Centerville River – East Bay System Total Maximum Daily Loads for Total Nitrogen (CN 248.0)                                                          | December 18, 2007  |
| 33880                      | Northeast Regional Mercury Total Maximum Daily Load (MassDEP CN 376.0)                                                                               | December 20, 2007  |
| 33965-33969                | Popponesset Bay Total Maximum Daily Loads for Total Nitrogen (CN 217.0)                                                                              | January 22, 2008   |
| 33988-33993                | Three Bays System Total Maximum Daily Loads for Total Nitrogen (CN 242.0)                                                                            | February 13, 2008  |
| 34009                      | Little Pond Embayment System Total Maximum Daily Loads for Total Nitrogen (CN 246.0)                                                                 | March 3, 2008      |
| 34284, 34328, 34331, 34332 | West Falmouth Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen (CN 243.0)                                                        | May 5, 2008        |
| 34345                      | Oyster Pond Embayment System Total Maximum Daily Loads for Total Nitrogen (CN 245.0)                                                                 | May 5, 2008        |
| 34917, 34918               | West Falmouth Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen (CN 243.0)                                                        | May 5, 2008        |
| 35069                      | Phinneys Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen (CN 247.0)                                                             | February 5, 2008   |
| 35085-35088, 35096, 35097  | Bacteria TMDL for the Palmer River Basin (CN 182.0)                                                                                                  | September 22, 2004 |
| 35103-35109                | Assabet River Total Maximum Daily Load for Total Phosphorus (CN 201.0)                                                                               | September 23, 2004 |
| 36011, 36012               | Nantucket Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen (CN 249.0)                                                            | May 12, 2009       |
| 36170-36172                | Pathogen Total Maximum Daily Load for the Buzzards Bay Watershed (CN 251.1)                                                                          | May 15, 2009       |
| 36219-36222, 36228-36231   | Stage Harbor/Oyster Pond, Sulphur Springs/Bucks Creek, Taylors Pond/Mill Creek Total Maximum Daily Load Re-evaluations for Total Nitrogen (CN 206.1) | June 22, 2009      |
| 36582-36585                | Pathogen Total Maximum Daily Load for the Three Bays Watershed, Barnstable, MA (CN 309.0)                                                            | August 28, 2009    |
| 36771-36772                | Pathogen Total Maximum Daily Load for the Cape Cod Watershed (CN 252.0)                                                                              | August 28, 2009    |
| 38912, 38914               | Final Total Maximum Daily Load for Phosphorus for White Island Pond, Plymouth/Wareham, MA. (CN 330.2)                                                | July 20, 2010      |
| 38903-38909                | Final Pathogen TMDL for the Narragansett/Mt. Hope Bay Watershed (CN 351.0)                                                                           | July 21, 2010      |
| 40307-40310                | Final Pathogen TMDL for the Taunton River Watershed (CN 256.0)                                                                                       | June 16, 2011      |
| 40317-40319                | Total Maximum Daily Load for Nutrients in the Upper/Middle Charles River, Massachusetts. (CN 272.0)                                                  | June 10, 2011      |
| 42353-42369                | Addendum: Final Pathogen TMDL for the Cape Cod Watershed. (CN 252.5)                                                                                 | August 28, 2012    |
| 42392-42411                | Northeast Regional Mercury Total Maximum Daily Load Addendum for Massachusetts. (CN 377.0)                                                           | September 20, 2012 |
| 50120-50123                | Final Pathogen TMDL for the North Coastal Watershed. (CN 155.0)                                                                                      | October 25, 2012   |
| 54840, 54842, 54860, 54861 | Addendum: Final Total Maximum Daily Loads of Bacteria for Neponset River Basin. (CN 121.5)                                                           | July 3, 2013       |

Category 4b was proposed by the EPA to list waters for which pollution control measures other than TMDLs are expected to attain all designated uses. Massachusetts' attempt to use this category in 2004 to list lakes and ponds impaired solely by mercury deriving from atmospheric deposition was disapproved by the EPA (see Fish Consumption Advisories later in this section). Massachusetts is not including any waters in Category 4b for the 2014 listing cycle.



The CWA distinguishes between “pollutants” such as nutrients, metals, pesticides, solids and pathogens that all require TMDLs and “pollution” such as low flow, habitat alterations or non-native species infestations that do not require TMDLs. Non-pollutant stressors are marked with an asterisk in the Integrated List to distinguish them from pollutants requiring TMDLs. Waterbodies impaired solely by “pollution” were included in Category 4c unless there are also TMDLs approved for them, in which case they appear in Category 4a.

When developing TMDLs and pollution control strategies it is often more efficient to focus limited resources collectively on waters that exhibit the same types of impairments. For example, the Northeast Regional Mercury TMDL (see Waters Impaired by Mercury) establishes the mercury reduction goal and management strategy for multiple waterbodies throughout New England that are impaired by the atmospheric deposition of mercury. In addition, the MassDEP has worked collaboratively with the EPA to derive “bundled” TMDLs and cleanup plans at the watershed scale for waters impaired by bacteria. These area-wide TMDLs were designed such that additional waters, found to be similarly impaired subsequent to the approval of the TMDLs, could, if applicable, be proposed for coverage under those TMDLs.

#### List Category 5 – The 303(d) List of Impaired Waters

While the EPA guidance provides the overall framework for a five-part list of waters, the development, submittal and review of Category 5 remains subject to the prevailing regulation governing the implementation of Section 303(d) of the CWA. This regulation requires states to identify and list those waterbodies that are not expected to meet SWQS after the implementation of technology-based controls and, as such, require the development of TMDLs. States must include on the lists the specific cause(s) of the impairment (if known). Finally, guidance pertaining to Section 303(d) is clear with respect to the removal of waterbodies from the list. Waterbodies can be removed from Category 5 when TMDLs are approved by the EPA for all pollutants impairing that waterbody (note that these waters are now listed in Category 4a until it is determined that they are no longer impaired). In addition, there are some instances when a previously listed waterbody can be removed from the 303(d) list without calculating a TMDL. These are: 1) when a new assessment reveals that the waterbody is now meeting all applicable water quality standards or is expected to meet those standards in a reasonable timeframe as the result of implementation of required pollution controls; and 2) when, upon re-examination, the original basis for listing is determined to be flawed.

In preparing 303(d) lists states are required to assemble and evaluate all existing and readily available data, including but not limited to the most recent 305(b) report and 319 nonpoint source assessment report, dilution calculations or predictive simulation models and reports by government agencies, members of the public, or academic institutions. When conducting individual watershed assessments the MassDEP relies on these and additional information sources as described earlier in this document. The development of the 2014 Category 5 (i.e., 303d) list began with a review of Category 5 waters contained in the 2012 List. To these were added previously unlisted waterbodies that were determined to be impaired for one or more uses due to the presence of pollutants. Waters listed in Category 5 on the 2012 303(d) List, for which no new assessments were made, were retained in Category 5 of the 2014 Integrated List.

Waters were listed in Category 5 if they were identified as impaired (i.e., not supporting one or more intended use), the impairment was related to the presence of one or more pollutants, and the source of those pollutants was not considered to be natural. In most instances, finding an impaired waterbody during the watershed assessment process led directly to its assignment to Category 5. Nonetheless, some differences do exist between the 305(b) assessments and the 303(d) list. For example, segments for which incomplete or anecdotal information suggests the possibility of use impairment are assigned “alert status” during the watershed assessment process so that they may be targeted for monitoring and follow-up assessments during the next round of the watershed cycle. However, these segments are not listed as impaired on the 303(d) list because the MassDEP believes there is insufficient data to support listing decisions.



### Waters Impaired by Nutrients

The Massachusetts SWQS do not include numeric criteria for nitrogen and phosphorus. Instead, narrative criteria specify that waters “shall be free from nutrients in concentrations that would cause or contribute to impairment of existing or designated uses.” Nonetheless, the lack of numeric criteria does not preclude the identification of nutrient-related impairments and MassDEP analysts rely on a variety of indicators of nutrient enrichment when assessing water quality conditions. Biological “response” indicators of nutrient-related impacts include the presence of nuisance growths of algae or other aquatic plants, or even changes in benthic macroinvertebrate community structure. Excessive primary productivity may also be evidenced by diel fluctuations in physico-chemical analytes, such as pH and dissolved oxygen. When available, phosphorus and nitrogen data are screened against 1986 EPA recommended *Gold Book* criteria, but nutrient concentrations, alone, are not currently utilized to determine impairment due to nutrient enrichment. Elevated nutrient levels may serve to corroborate the presence of “response” indicators, and may help to identify potential sources (e.g., release of phosphorus from anoxic sediments). Nutrient enrichment is not considered to be problematic when “response” indicators, as described above, are absent even if nutrient concentrations exceed their recommended *Gold Book* criteria. However, when one or more “response” indicators suggest that nutrient enrichment is problematic and nutrient concentration data exceed the EPA criterion, that nutrient is also identified as a cause of impairment. The following information pertaining to how the MassDEP identifies nutrient impairments in rivers, lakes and estuaries is adapted from the 2012 CALM document which reflects the methodology employed for the assessments covered by the 2014 Integrated Report.

*Rivers:* The aquatic life use is supported if observable nuisance growths of algae (e.g., blooms, algal mats, etc.) or macrophytes (particularly non-rooted forms) are absent or limited during the summer index period. When excessive growths are observed changes in physico-chemical data, such as: dissolved oxygen (concentration and supersaturation), pH, and chlorophyll are also considered. If, taken together, these indicator data suggest high productivity/nutrient enrichment the aquatic life use is assessed as impaired.

*Lakes:* Indicators of nutrient enrichment in lakes typically include the occurrence of planktonic blooms (particularly cyanobacteria), extensive cover of non-rooted aquatic macrophytes, such as duckweed or watermeal, decreased Secchi disk transparency, oxygen depletion and/or supersaturation, elevated pH values and elevated chlorophyll concentrations. The frequent and persistent presence of one or more of these indicators typically results in a decision that the aquatic life use is impaired.

*Estuaries:* MassDEP analysts currently utilize the areal coverage of seagrasses or other submerged aquatic vegetation and, where applicable, the habitat health indicator analysis developed for the Massachusetts Estuaries Project (MEP), to identify nutrient impairments in estuaries and coastal embayments. Assessment decisions are based on whether or not the eelgrass beds within the waterbody segment area are stable or are diminishing. For embayments in southeastern Massachusetts the MEP has generated a significant amount of enrichment indicator data based on a weight-of-evidence approach that includes several “response” variables (e.g., eelgrass, infauna, macroalgae, chlorophyll, dissolved oxygen, Secchi disk and total nitrogen). Since this project is intended to develop site-specific nutrient (nitrogen) thresholds for these coastal systems, their overall assessments of habitat health are utilized to make aquatic life use attainment decisions.

### Biological Assessments

When determining the extent to which waterbodies are supporting aquatic life, as designated in the Water Quality Standards, the MassDEP often relies on the results of biological surveys, with or without supplemental physico-chemical analyses. Macroinvertebrate, fish and periphyton (i.e., attached algae) communities, often in combination, are typically used for making this assessment. While these community assessments are invaluable for determining use impairment, they often do not provide insight pertaining to the cause or source of the apparent disturbance and, therefore, may not implicate “pollution” or “pollutants” as contributing factors. Nonetheless, the EPA guidance is clear with regard to the use of



biological assessments for listing in Category 5 and, in most instances, the MassDEP lists those waters that exhibit impaired aquatic communities.

The MassDEP prefers to make aquatic life use determinations based on an assessment of more than one community, and waters exhibiting impaired fish and invertebrate communities, for example, are strong candidates for listing in Category 5. Nonetheless, an assessment based on a single community may also result in a decision that the aquatic life use is not supported. This depends, in part, on whether the assessment relies on a screening level of effort or a more intensive analysis. For example, the EPA Rapid Biomonitoring Protocol (RBP) II is a screening-level investigation that relies on family-level macroinvertebrate community data to place a given site in one of three impairment categories. Determinations of “no impairment” or “severe impairment” with the RBP II are generally considered definitive and waters in the latter category are included on the 303(d) list. However, RBP II assessments of many waterbodies fall between these extremes into a “moderately impaired” category that encompasses a wide range in the degree of impairment exhibited by the macroinvertebrate community. In these instances, the MassDEP relies on the RBP III assessment to provide a finer level of resolution to the analysis. The RBP III entails taxonomic identification to the genus and species level and adds a fourth impairment category (i.e., “slightly impaired”). The MassDEP has established the RBP III analysis as a minimum requirement for purposes of listing waters in Category 5 unless the RBP II assessment is definitive as discussed above, or unless the review of information on the condition of additional communities, such as fish or benthic algae, results in a conclusive assessment.

#### Fish Consumption Advisories

The EPA provides guidance pertaining to the use of fish and shellfish consumption advisories when making 303(d) listing decisions. In short, the EPA considers a fish-consumption advisory as evidence that the fish consumption use is not supported when the advisory is based on actual fish tissue data and those data are collected from the specific waterbody in question. To date, the DPH has issued advisories pertaining to the presence of mercury, PCBs, PAHs, DDT and other contaminants in freshwater fish. A list of DPH site-specific fish consumption advisories can be found at

<http://www.mass.gov/eohhs/docs/dph/environmental/exposure/fish-consumption-advisory-list.pdf>. Waters subject to site-specific advisories, based on actual fish tissue analyses from those waters, are included on the 303(d) list. In 1994, the DPH issued a statewide consumption advisory due to widespread mercury contamination found in freshwater fish. This advisory was revised in 2001. Because the statewide advisory encompasses all fresh waters, these waters cannot be considered as “fully supporting” the fish consumption use.

#### Waters Impaired by Mercury

Waters covered by the DPH statewide advisory, as well as site-specific mercury advisories, may be impaired by local sources of mercury or by atmospheric deposition from near- and far-field sources, or both. Massachusetts, along with other northeastern states, has taken a lead role in reducing mercury pollution despite the inherent complexity of the problem. For a comprehensive summary of Massachusetts’ experience with assessing and managing mercury contamination within the context of similar efforts at regional, federal and international levels, see Harvey and Smith (2004).

In 2004 the MassDEP noticed for public review and comment a document entitled *A TMDL Alternative Regulatory Pathway Proposal for the Management of Selected Mercury-Impaired Waters (CN 176.0)*. This proposal, prepared as a supplement to the *Massachusetts Year 2004 Integrated List of Waters*, asserted that a combination of federal, regional and state controls on mercury was the most effective means of remediating the mercury impairment to air-impacted waters and that Massachusetts was effectively implementing a comprehensive plan to address in-state mercury sources. Therefore, the establishment of waterbody-specific TMDLs using the traditional approach was not considered to be a wise use of resources, and would not effectively address the problem. Thus, 90 lakes and ponds impaired solely by the atmospheric deposition of mercury were removed from Category 5 (i.e., the 303d list) and placed in Category 4b (i.e., impaired, but not requiring a TMDL) of the *Massachusetts Year 2004*





*Integrated List of Waters.* In June, 2006 the EPA partially approved and partially disapproved the *Massachusetts 2004 303(d) List of Impaired Waters* (i.e., Category 5 of the Integrated List of Waters). Specifically, the EPA disapproved Massachusetts' decision not to list the lakes and ponds impaired by atmospheric deposition as outlined in the alternative pathway document. In their review document the EPA indicated their intent, following public review and comment, to add the 90 lakes and ponds to the Massachusetts 303(d) list as impaired by mercury. As a result, the use of Category 4b was discontinued and all waters for which site-specific mercury health advisories were in force appeared in Category 5 of the Massachusetts Year 2006 Integrated List of Waters.

With the return of the lakes and ponds impaired solely by the atmospheric deposition of mercury to the 303(d) list, the MassDEP embarked on a collaborative effort with the five other New England states, New York State and the New England Interstate Water Pollution Control Commission (NEIWPCC) to develop a regional TMDL for mercury. This effort resulted in a strategy for reducing mercury concentrations in fish from Northeast waterbodies so that water quality standards can be met. The strategy calls for mercury reductions at sources within the Northeast region, in states outside of the region and from outside of the United States. In the Northeast, the majority of mercury pollution derives from atmospheric deposition. Therefore, the regional TMDL is based primarily on reducing atmospheric mercury by lowering anthropogenic mercury emissions. The *Northeast Regional Mercury Total Maximum Daily Load* can be accessed at <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html#multis>. Following a public information meeting on April 11, 2007 and subsequent 60-day public review period, the regional mercury TMDL was submitted to the EPA on October 24, 2007. The EPA approved the TMDL on December 20, 2007, and the affected lakes and ponds were moved to Category 4a (i.e., "waterbody impaired, but requisite TMDL is completed and approved") of the 2008 and subsequent lists unless they exhibited additional impairments. Waters for which the DPH mercury advisories have been issued since the TMDL approval date are considered case-by-case for coverage under the Northeast Regional Mercury TMDL.

#### Predictive Models and Evaluated Information

The EPA guidelines specify the kinds of data and information that should be used when making decisions to list waters in Category 5, and this information is not restricted to direct observations (i.e., monitoring data). Rather, waters should be included in Category 5 if evaluations such as dilution calculations or predictive simulation models forecast non-attainment of water quality standards. During the 1970s and 1980s the MassDEP used steady-state, low-flow stream models to calculate waste load allocations (WLA) for point discharges. Aimed primarily at reducing instream biochemical oxygen demand (BOD) and ammonia loads, the WLA were adopted in 303(e) basin plans and incorporated in individual NPDES wastewater discharge permits. As a result, secondary or advanced waste treatment were implemented where necessary across Massachusetts, although occasional reviews are still needed to assess the adequacy of existing treatment in light of anticipated increases in wastewater flows. Because of the complex and site-specific nature of remaining water quality problems (e.g., nutrients, toxicants, etc.) predictive models have limited value in identifying impaired waters. In fact most modeling is now carried out for waters where impairments have already been confirmed by actual water quality or biomonitoring data. Nonetheless, predictive models continue to be utilized in combination with actual field data to fully assess water quality conditions and to derive acceptable pollutant loadings from point and nonpoint sources. Model results are considered in the 303(d) listing process in cases where those models forecast unconfirmed water quality problems. For example, when making assessment and listing decisions waters subjected to combined sewer overflows (CSO) are projected to violate standards even though confirmatory field data may be unavailable.

#### Shared Waters

The EPA encourages states with shared waterbodies to collaborate with one another in the development of their Integrated Lists in an attempt to make assessments for those waters as consistent as possible. Many factors can contribute to discrepancies in the use attainment determinations rendered by neighboring states for the same waters. States may vary with respect to the specific goals set forth for those waters in their respective SWQS. Furthermore, differing Assessment and Listing Methodologies, or even asynchronous



rotating watershed assessment schedules may lead to assessment and listing inconsistencies between states. Prior to making individual watershed assessments the MassDEP attempts to gather all existing and readily available data and information from as many sources as possible. This includes reviewing the most recent 305(b) reports and other applicable data and information from adjacent states. Nonetheless, discrepancies often do exist for the reasons cited above.

#### Prioritizing Waters for TMDL Development

A key component of the 303(d) listing process is establishing timelines for TMDL development. It is recommended in EPA guidance “that States develop a schedule for establishing TMDLs as expeditiously as practicable.” More specifically, states must identify which TMDLs will be developed in each of the two years leading up to the next listing (i.e., 2016), and the approximate number of TMDLs to be derived for each year thereafter. Furthermore, “States need not specifically identify each TMDL as high, medium or low priority. Instead the schedule itself can reflect the State’s priority ranking.” The TMDL schedule is intended to communicate the State’s priorities to the public and the EPA and to assist with the allocation of resources to the TMDL development effort. The schedule is not subject to approval by the EPA.

A review of recent 303(d) list submittals will reveal that the major causes of surface water impairment in Massachusetts are **bacteria** and **excess nutrients**. For this reason the MassDEP continues to place a high priority on developing and implementing TMDLs for these pollutants, and this is implicit in the TMDL schedule. During FY2015 – FY2016 the MassDEP will focus on several TMDLs and related projects that have been assigned high priority. These projects are tabulated and summarized in the table below. Since many of these projects carry over from year to year, detailed schedules for beyond FY2016 cannot be developed at this time. It should be noted that the ability to finalize TMDL documents is highly dependent upon the availability of both internal and external resources, such as staffing and funding.

#### **Total Maximum Daily Loads (TMDLs) scheduled by the MassDEP for development during FY2015 – FY2016**

| Project                                                 | TMDL Type <sup>1</sup> | TMDL Count <sup>2</sup> | Public Mtg? | Draft Tech Report <sup>3</sup> | Final Tech Report <sup>3</sup> | Draft TMDL      | Projected EPA Approval of Final TMDL |
|---------------------------------------------------------|------------------------|-------------------------|-------------|--------------------------------|--------------------------------|-----------------|--------------------------------------|
| <b>Eastern Watersheds – Bacteria and Nutrient TMDLs</b> |                        |                         |             |                                |                                |                 |                                      |
| South Coastal                                           | B                      | 21                      | yes         | N/A                            | N/A                            | Completed       | Approved by EPA <sup>4</sup>         |
| Nashua River TMDL                                       | TP                     | 3                       | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| Ten Mile River                                          | B                      | 5                       | no          | N/A                            | N/A                            | To be completed | TBD                                  |
| Boston Harbor                                           | B                      | 34                      | yes         | N/A                            | N/A                            | Completed       | FY-16                                |
| Islands                                                 | B                      | 15                      | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| Merrimack River                                         | B                      | 22                      | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| Ipswich River                                           | B                      | 9                       | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| Parker River                                            | B                      | 10                      | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| Blackstone                                              | B                      | 10                      | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| Nashua                                                  | B                      | 12                      | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| SuAsCo                                                  | B                      | 13                      | yes         | N/A                            | N/A                            | Completed       | TBD                                  |
| <b>Total</b>                                            |                        | 154                     |             |                                |                                |                 |                                      |



| Massachusetts Estuaries Projects (MEP)          |    |    |     |           |           |                 |                              |
|-------------------------------------------------|----|----|-----|-----------|-----------|-----------------|------------------------------|
| Edgartown Great Pond, Edgartown                 | TN | 1  | yes | Completed | Completed | Completed       | Approved by EPA <sup>4</sup> |
| Lewis Bay, Barnstable, Yarmouth                 | TN | 10 | yes | Completed | Completed | Completed       | Approved by EPA <sup>4</sup> |
| Madaget and Long Ponds, Nantucket               | TN | 2  | yes | Completed | Completed | Completed       | FY-15                        |
| Sengekontacket Pond, Oak Bluffs                 | TN | 2  | yes | Completed | Completed | Completed       | FY-15                        |
| Lagoon Pond, Oak Bluffs                         | TN | 2  | yes | Completed | Completed | Completed       | FY-15                        |
| Farm Pond, Oak Bluffs                           | TN | 1  | yes | Completed | Completed | Completed       | FY-15                        |
| Allens, Wynchmere, Saquatucket Harbors, Harwich | TN | 6  | no  | Completed | Completed | Completed       | FY-16                        |
| Herring River, Harwich                          | TN | 5  | no  | Completed | Completed | Completed       | FY-16                        |
| Bass River, Yarmouth, Dennis                    | TN | 9  | no  | Completed | Completed | In progress     | TBD                          |
| Slocums & Little Rivers, Dartmouth              | TN | 2  | no  | Completed | Completed | Completed       | FY-16                        |
| Swan Pond, Dennis                               | TN | 3  | no  | Completed | Completed | In progress     | TBD                          |
| Westport Rivers, Westport                       | TN | 5  | no  | Completed | Completed | In progress     | FY-16                        |
| Fiddlers Cove/Rands Harbor, Falmouth            | TN | 2  | no  | Completed | Completed | In progress     | FY-16                        |
| Parkers River, Yarmouth                         | TN | 4  | no  | Completed | Completed | In progress     | TBD                          |
| Waquoit Bay/Eel River, Falmouth, Mashpee        | TN | 5  | no  | Completed | Completed | In progress     | TBD                          |
| Quisset Harbor, Falmouth                        | TN | 2  | no  | Completed | Completed | In progress     | FY-16                        |
| <b>Total</b>                                    |    | 61 |     |           |           |                 |                              |
| Western Watersheds – Bacteria TMDLs             |    |    |     |           |           |                 |                              |
| Connecticut                                     | B  | 9  | no  | N/A       | N/A       | To be completed | TBD                          |
| Deerfield                                       | B  | 3  | no  | N/A       | N/A       | To be completed | TBD                          |
| Hoosic                                          | B  | 6  | no  | N/A       | N/A       | To be completed | TBD                          |
| Housatonic                                      | B  | 6  | no  | N/A       | N/A       | To be completed | TBD                          |
| Westfield                                       | B  | 3  | no  | N/A       | N/A       | To be completed | TBD                          |
| Chicopee                                        | B  | 8  | no  | N/A       | N/A       | To be completed | TBD                          |
| F&Q                                             | B  | 6  | no  | N/A       | N/A       | To be completed | TBD                          |
| Millers                                         | B  | 9  | no  | N/A       | N/A       | To be completed | TBD                          |
| <b>Total</b>                                    |    | 50 |     |           |           |                 |                              |

Note: footnotes appear on next page



<sup>1</sup> B = Bacteria TMDL  
TP = Total Phosphorus TMDL  
TN = Total Nitrogen TMDL

<sup>2</sup> Estimated counts – may be subject to change

<sup>3</sup> Applies to Massachusetts Estuaries Program (MEP) projects only

<sup>4</sup> The approval of these TMDLs will be reflected in changes to the Integrated List for the 2016 reporting cycle

#### Related activities:

Taunton Watershed – USGS study of *Nutrient and Sediment Concentrations, Yields, and Loads in Impaired Streams Rivers in the Taunton River Basin, Massachusetts, 1997–2008* By Jeffrey R. Barbaro and Jason R. Sorenson  
<http://pubs.usgs.gov/sir/2012/5277/>

Merrimack Watershed – Lower Merrimack River Watershed Assessment Study, US Army Corps of Engineers, New England District, Phase I, <http://www.nae.usace.army.mil/Missions/ProjectsTopics/LowerMerrimack.aspx>. A Phase III of the Lower Merrimack was initiated in 2012.

#### Bacteria TMDLs

In 2006, MassDEP worked closely with the EPA Region 1 to develop “bundled” bacteria clean up plans for all 27 of Massachusetts’ major watersheds. Although the goal was to complete half those TMDLs in each of 2006 and 2007, they were delayed because of a court decision in Washington, DC (on an unrelated project) that necessitated a major revision to the original approach. Since 2007, MassDEP has received the EPA’s approval of watershed-wide bacteria TMDLs for the Charles and Taunton river watersheds and the Buzzards Bay, Cape Cod, Three Bays (Barnstable), Mount Hope/Narragansett Bay and North Shore coastal drainage systems. The plan for FY2014 through FY2016 is to continue to work, as resources allow, toward the completion of bacteria TMDLs for selected watersheds in the eastern half of Massachusetts. TMDLs are in various stages of development for 151 segments in the following watersheds:

|          |               |            |           |
|----------|---------------|------------|-----------|
| Ten Mile | Boston Harbor | Islands    | Merrimack |
| Ipswich  | Parker        | Blackstone | Nashua    |
| SuAsCo   |               |            |           |

Bacteria TMDLs for the watersheds in the western half of the state (approximately 50 segments) will be targeted for completion in future years.

#### The Massachusetts Estuaries Project (MEP)

The MassDEP continues to derive TMDLs for nutrient-impaired coastal embayments in southeastern Massachusetts through collaboration with the School of Marine Science and Technology (SMASST) at UMass-Dartmouth (UMD) and several municipalities that have been targeted for this project. This effort, referred to as the MEP, was initiated in 2001 to determine existing nutrient loads and to assist in the evaluation of future nutrient load scenarios for 89 estuaries located in 32 coastal communities. A TMDL for nitrogen was to be established for each waterbody, in accordance with MassDEP and EPA requirements. In 2009, the number of estuaries to be included in the MEP was reduced to 70 due to a lack of local matching funds and/or other project delays.

A linked-model is utilized to quantify nitrogen inputs to targeted bays and estuaries and to develop the TMDLs. The TMDLs, in turn, form the basis of sound wastewater and watershed management and are implemented through the formulation of Comprehensive Wastewater Management Plans (CWMP). Comprehensive wastewater management planning is a locally managed, community-wide process that evaluates current and future wastewater needs, compares alternative solutions, and selects a final plan



based on cost-effectiveness and environmental results. The CWMP is a key step toward implementation of TMDLs for nitrogen in southeastern Massachusetts estuaries and many towns are currently in various stages of this planning process.

To date, a total of 75 individual nitrogen TMDLs for waters in the Buzzards Bay and Cape Cod coastal drainage systems and representing 23 of the 70 targeted MEP estuaries have been approved by the EPA. Technical evaluations have been completed for another 36 embayment systems and approximately 80 additional nitrogen TMDLs are either drafted or in preparation. Subject to the availability of state funding and personnel resources, MassDEP will continue to assess nutrient-impaired coastal waters and develop nitrogen TMDLs for priority embayments in southeastern Massachusetts during FY2014 – FY2016.

#### *Long Island Sound Nitrogen TMDL Implementation*

Excessive nitrogen loadings to the tributaries to Long Island Sound (LIS) have been identified as a significant cause of the hypoxic conditions that occur during the late summer months in the bottom water of more than half of the LIS's 1,300 square mile area. In an effort to manage these nutrient loads and restore the water quality of the LIS, the Connecticut Department of Energy and Environmental Protection (CT DEEP) and New York State Department of Environmental Conservation (NYS DEC) developed a Total Maximum Daily Load (TMDL) for nitrogen which was approved by the EPA in 2001. As part of this process, the Spatially Referenced Regressions on Watershed Attributes (SPARROW) and Northeast ArcView Generalized Watershed Loading Function (AVGWLF) models were used to estimate the baseline nitrogen contribution to the LIS from each of the states in the upper portions of the tributary watersheds. The TMDL makes recommendations for reducing nitrogen loadings from point and nonpoint sources to be found in close proximity to the LIS in Connecticut and New York, as well as at a distance in Massachusetts, New Hampshire and Vermont.

The NEIWPCC, the EPA and all five states (New York, Conn., Mass., Vermont and N.H.) are working collaboratively to implement the LIS TMDL which encompasses all of the major watersheds that drain to the LIS. In Massachusetts this includes the watersheds tributary to the main stem Connecticut River (i.e., Deerfield, Millers, Westfield, Chicopee, and Farmington), as well as the Housatonic, French and Quinebaug drainage basins. Each state is assessing existing federal, state and local non-point source (NPS) control programs and related data that could be used to track NPS remediation measures that reduce nitrogen exports to the LIS. To this end, the MassDEP is attempting to quantify NPS load reductions that have occurred in Massachusetts during the last few years. The MassDEP believes that a detailed evaluation is necessary to properly determine where data gaps exist and, more importantly, to provide guidance with regard to the kinds of data and information that could be used by all of the states to determine if the NPS reduction goals of the TMDL are being achieved.

In September, 2013, the MassDEP prepared a report entitled *Enhanced Implementation Plan: Preliminary Evaluation of Current Stormwater and Nonpoint Source Control Efforts in Massachusetts*. This report identifies nitrogen loading reductions attributed to the application of BMPs to control stormwater runoff from agricultural and urban–suburban land uses in the watersheds draining to LIS. Using feedback from a BMP survey sent to 44 cities and towns with MS4 coverage and the application of a *Non-Point Source BMP and Efficiencies Scenario Builder Table* developed by the Chesapeake Bay Program (CBP), the MassDEP derived estimated total nitrogen loading reductions that have been realized to date through the application of BMPs throughout the Massachusetts portion of the LIS watershed. Based on this analysis, the MassDEP estimates that the NPS load reduction targets for Massachusetts, as set forth in the LIS TMDL, have already been achieved by threefold and that further reductions are anticipated with the continued implementation of BMPs.

#### *Nashua River Phosphorus TMDL*

The Nashua TMDL was originally derived in the early 2000's using a model developed and calibrated from water quality data collected in the late 1990's and again in 2003-4. The model predicted instream



water quality conditions under varying effluent limits and treatment scenarios for the wastewater treatment plants (WWTPs). The TMDL was presented to the public for review and comment at a meeting held in August, 2007. The original draft TMDL, which can be viewed at <http://www.mass.gov/eea/docs/dep/water/resources/n-thru-y/nashua.pdf>, recommended phosphorus limits for six WWTPs (Leominster, Fitchburg East, Fitchburg West, Ayer, MWRA-Clinton and Pepperell). The allowable phosphorus loads were established to correct impairments to the main stem of the Nashua River, particularly those slow-moving segments in and around the Pepperell Impoundment. The limits set by the TMDL were sufficient to address most problems in the main stem with the exception of the Pepperell Impoundment where additional actions would be needed to achieve designated uses. Thus, the TMDL also called for the development of a management plan to control vegetation in the impoundment itself. Following their preliminary review of the TMDL, the EPA requested that additional data be obtained to further calibrate and verify the model. This delayed the completion of the revised TMDL until January, 2014 when it was submitted to the EPA for review. Discussions regarding the TMDL are on-going with the EPA as a result of changing conditions in the watershed.

#### *Assabet River Phosphorus TMDL Implementation*

A Final Nutrient (Total Phosphorus) TMDL Report for the Assabet River was completed in 2004 that set nutrient targets for the restoration of water quality in the Assabet River (<http://www.mass.gov/eea/docs/dep/water/resources/a-thru-m/anuttmdl.pdf>). The goal of the TMDL was to decrease the instream concentration of total phosphorus to mitigate some of the ecological effects of eutrophication on the river; these effects were, for the most part, direct consequences of the excessive growth of aquatic macrophytes. In 2007, the U.S. Geological Survey (USGS), in cooperation with the MassDEP, initiated studies to evaluate conditions in the Assabet River prior to the upgrading of WWTPs to remove more phosphorus from their effluents. The USGS effort, completed in 2008, implemented a visual monitoring plan to estimate the areal extent and biomass of the floating macrophyte *Lemna minor* in five impoundments and evaluated the potential for phosphorus flux from sediments in impounded and free-flowing reaches of the river (<http://pubs.usgs.gov/sir/2011/5179/>). The MassDEP assumed responsibility for the visual assessments beginning in the summer of 2009 and continuing through 2013. In addition, the MassDEP extended funding to USGS for water quality monitoring through April 2014. Since improvements were completed at all of the municipal WWTPs by April 2012, these studies will provide a preliminary evaluation of the effectiveness of the TMDL implementation. The MassDEP hopes to continue with the macrophyte surveys in 2014 and beyond in order to more thoroughly document improvements to the condition of the Assabet River.

#### *Monitoring and Related Activities for the Blackstone River*

The MassDEP and the USGS have been working cooperatively since 2007 to collect water quality information pertaining to nutrient and trace metal loadings to the Blackstone River. The objectives of the study were to (1) quantify nutrient and trace metal loadings in several segments of the Blackstone River in Massachusetts and at the Massachusetts – Rhode Island state line; 2) assess and, if possible, quantify nitrogen attenuation throughout the river; and 3) evaluate and quantify, if possible, the re-suspension of both nutrients and metals in two impounded segments of the river (i.e., Riverdale Impoundment and Rice City Pond). Water samples were collected using an innovative automated sampling device designed and built by the USGS. Data generated by this study have been used in support of ongoing water quality predictive modeling efforts for the Blackstone River. This study has been published (Zimmerman, M.J., Waldron, M.C., and DeSimone, L.A. 2015. *Nutrient, trace element, and suspended sediment loads in the Blackstone River in Massachusetts and Rhode Island, 2007 to 2009*. U.S. Geological Survey Scientific Investigations Report 2015-5026.)

In August 2012, the USGS, in cooperation with the MassDEP, installed a continuous streamflow and water-quality monitoring station on the Blackstone River at a point approximately 0.9 miles upstream from the Massachusetts-Rhode Island state line at Millville. The goal was to document nutrient reductions resulting from WWTP upgrades. The station has been operating continuously since that time, recording river stage, water and air temperature, specific conductance, turbidity and chlorophyll concentrations.



Streamflow is monitored at a nearby site and the data are used to determine intervals for flow-proportional sampling for determination of total nitrogen, total phosphorus and dissolved trace-metal concentrations. MassDEP extended funding to USGS for water quality monitoring through September 2015. MassDEP staff continues to work with the Upper Blackstone Water Pollution Abatement District (UBWPAD) and their consultants in the calibration and validation of a computer model that was developed by UMass and CDM Smith (consultants for the UBWPAD). The *Hydrologic Simulation Program – FORTRAN* or *HSPF* model was developed to simulate and evaluate dynamic water quality conditions incorporating daily, monthly, seasonal and year-to-year variability to develop a year round understanding of water quality conditions. The model incorporates point source (e.g., wastewater treatment plants) and nonpoint source (e.g., stormwater runoff and naturally occurring pollutants) loads to the river. Future activities will likely focus on building partnerships with interested parties at all levels of government, as well as the private citizenry, to manage point and nonpoint sources of pollution throughout the Blackstone Watershed.

#### *Mitigating Cranberry Farming Impacts – TMDL Development and Implementation*

The MassDEP continues to work closely with several interested parties to implement the nutrient TMDL for White Island Pond (Plymouth/Wareham) and related activities aimed at restoring lakes in southeastern Massachusetts that have been impaired by excess total phosphorus emanating from commercial cranberry operations. Over the past decade these parties have collaborated on efforts to quantify existing phosphorus loadings from commercial bogs and develop fertilizer application rates and other BMPs to reduce those loads. The MassDEP supported these activities, in part, through the administration of a series of CWA Section 319 grants with the overall goal of improving water quality in White Island Pond while developing BMPs that could be applied to additional ponds affected by cranberry growing operations.

The first Section 319 grant, awarded in 2001 to the UMass Cranberry Experiment Station, funded an intensive multi-year field study of commercial cranberry bogs in the White Island Pond watershed. The study examined the effects on crop yields of such variables as low-phosphorus fertilizer applications and floodwater management, and quantified the nutrient inputs to the bogs and exports to the east basin of the pond. This nutrient budget, along with loading estimates from the lake sediments, septic systems and other adjacent land uses, formed the basis for a TMDL for phosphorus that was produced by the MassDEP and approved by the EPA on July 20, 2010 (see <http://www.mass.gov/eea/docs/dep/water/resources/n-thru-y/whisland.pdf>). In 2009, the Cape Cod Cranberry Growers Association (CCCGA) received a Section 319 grant to implement such BMPs as reducing phosphorus fertilizer applications, conducting tissue testing to determine plant nutritional requirements and managing harvest water to avoid anoxic conditions that can lead to the release of phosphorus from bog soils to the harvest flood water. A third Section 319 grant was awarded in 2012 to the UMass Cranberry Experiment Station to further evaluate fertilizer reductions and develop additional BMPs.

The application of the BMPs described above has led to improved water quality conditions in White Island Pond as evidenced by increased water transparency and decreased incidence of toxic algae blooms. In April, 2013 the pond was treated with alum to further reduce water column phosphorus concentrations, and a second treatment is planned for 2014. Water quality improvement is summarized on the EPA's webpage [http://water.epa.gov/polwaste/nps/success319/ma\\_white.cfm](http://water.epa.gov/polwaste/nps/success319/ma_white.cfm). The MassDEP expects the pond to meet all designated uses by late 2015. Finally, the MassDEP will continue to carry out water monitoring at the nearby Monponsett ponds in an effort to inform future corrective actions.



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## **Category 1 Waters**

### **“Waters attaining all designated uses”**

Massachusetts is currently listing no waters in this category due to the issuance by the DPH of a state-wide health advisory pertaining to the consumption of finfish. This advisory precludes any waters from being in full support of the fish consumption use. More information pertaining to fish consumption advisories and the assessment of the fish consumption use can be found under “Development of the 2014 Integrated List” earlier in this report.



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## Massachusetts Category 2 Waters "Attaining some uses; other uses not assessed"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                     | SIZE | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                         |            |                                                                                                                                                                                                 |      |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Blackstone              |            |                                                                                                                                                                                                 |      |       |                |                                       |                            |                              |                      |
| Center Brook            | MA51-34    | Outlet Mill Pond, Upton to confluence with West River, Upton.                                                                                                                                   | 2.8  | MILES | X              | X                                     |                            |                              |                      |
| Emerson Brook           | MA51-29    | Headwaters, outlet Lee Pond, Uxbridge to confluence with the Blackstone River, Uxbridge.                                                                                                        | 1.9  | MILES | X              | X                                     |                            |                              |                      |
| Greene Brook            | MA51-30    | Headwaters, north of Linden Street, Douglas to confluence with Chockalog River, Douglas.                                                                                                        | 1.6  | MILES | X              |                                       |                            |                              |                      |
| Kettle Brook            | MA51-19    | Outlet Kettle Brook Reservoir #4, Paxton, to inlet of Kettle Brook Reservoir #1, Leicester. (excluding Kettle Brook Reservoir #3 segment MA51081 and Kettle Brook Reservoir #2 segment MA51080) | 1.9  | MILES | X              | X                                     | X                          | X                            |                      |
| Laurel Brook            | MA51-23    | Headwaters, north of Yew Street, Douglas to confluence with Scadden Brook near the outlet of Sawmill Pond, Uxbridge (through Bazely Pond formerly segment MA51008).                             | 3.3  | MILES | X              | X                                     |                            |                              |                      |
| Miscoe Brook            | MA51-21    | Headwaters, south of Route 90, Grafton to inlet Silver Lake, Grafton (through Cider Millpond formerly segment MA51019).                                                                         | 1.9  | MILES | X              | X                                     |                            |                              |                      |
| Miscoe Brook            | MA51-37    | Perennial portion from the Mendon/Upton/Northbridge corporate boundaries to the confluence with Taft Pond Brook, Northbridge/Upton                                                              | 0.7  | MILES | X              | X                                     |                            |                              |                      |
| Mumford River           | MA51-13    | Headwaters, outlet Tuckers Pond, Sutton to Douglas WWTP discharge, Douglas.                                                                                                                     | 4.3  | MILES | X              | X                                     | X                          | X                            |                      |
| Scadden Brook           | MA51-24    | Headwaters, north of Davis Street, Douglas to inlet Lee Pond, Uxbridge (through Lee Reservoir formerly segment MA51086).                                                                        | 2.4  | MILES | X              | X                                     |                            |                              |                      |
| Spring Brook            | MA51-25    | Headwaters, north of Lovell Street, Mendon to confluence with Muddy Brook, Mendon.                                                                                                              | 1.9  | MILES | X              | X                                     |                            |                              |                      |
| Taft Pond Brook         | MA51-26    | Headwaters, outlet Taft Pond, Upton to confluence with West River, Northbridge.                                                                                                                 | 1.2  | MILES | X              |                                       |                            |                              |                      |
| Tinkerville Brook       | MA51-22    | Perennial portion only, north of Walnut Street, Douglas to state line Douglas, MA/Burrillville, RI.                                                                                             | 2.3  | MILES | X              | X                                     |                            |                              |                      |
| Boston Harbor: Neponset |            |                                                                                                                                                                                                 |      |       |                |                                       |                            |                              |                      |
| Mill Brook              | MA73-12    | Source northeast of Ledgewood Drive, Dover to inlet of Pettee Pond, Westwood.                                                                                                                   | 2.9  | MILES |                |                                       | X                          | X                            |                      |



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|---------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                     |            |                                                                                                                                                                                                                                                                     |         |              | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Unnamed Tributary   | MA73-34    | Outlet Clark Pond, Walpole to confluence with Neponset River, Walpole (locally considered part of Spring Brook) (excluding the approximately 0.2 miles through Diamond Pond and the approximately 0.2 miles through Memorial Pond segment MA73012)                  | 0.8     | MILES        |                |                                       | X                          | X                            |                      |
| <b>Buzzards Bay</b> |            |                                                                                                                                                                                                                                                                     |         |              |                |                                       |                            |                              |                      |
| Aucoot Cove         | MA95-09    | From the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion to the mouth at Buzzards Bay demarcated by a line drawn between Converse Point, Marion and Joes Point, Mattapoisett. | 0.461   | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Barrett Pond        | MA95004    | Carver                                                                                                                                                                                                                                                              | 11.303  | ACRES        |                |                                       | X                          | X                            |                      |
| Charge Pond         | MA95025    | Plymouth                                                                                                                                                                                                                                                            | 16.431  | ACRES        |                |                                       | X                          | X                            |                      |
| College Pond        | MA95030    | Plymouth                                                                                                                                                                                                                                                            | 46.758  | ACRES        |                |                                       | X                          | X                            |                      |
| Curlew Pond         | MA95034    | Plymouth                                                                                                                                                                                                                                                            | 42.591  | ACRES        |                |                                       | X                          | X                            |                      |
| Fearing Pond        | MA95054    | Plymouth                                                                                                                                                                                                                                                            | 22.509  | ACRES        |                |                                       | X                          | X                            |                      |
| Glen Charlie Pond   | MA95061    | Wareham                                                                                                                                                                                                                                                             | 156.611 | ACRES        |                |                                       | X                          | X                            |                      |
| New Long Pond       | MA95112    | Plymouth                                                                                                                                                                                                                                                            | 20.977  | ACRES        | X              | X                                     |                            |                              |                      |
| Queen Sewell Pond   | MA95180    | Bourne (previously reported with PALIS # 96253).                                                                                                                                                                                                                    | 17.614  | ACRES        |                |                                       | X                          | X                            |                      |
| Vaughn Pond         | MA95153    | Carver                                                                                                                                                                                                                                                              | 19.629  | ACRES        |                |                                       | X                          | X                            |                      |
| Weweantic River     | MA95-04    | Outlet of small, unnamed pond at the confluence of Rocky Meadow Brook and South Meadow Brook, Carver to the inlet of Horseshoe Pond, Wareham.                                                                                                                       | 11.322  | MILES        | X              |                                       |                            |                              |                      |
| <b>Cape Cod</b>     |            |                                                                                                                                                                                                                                                                     |         |              |                |                                       |                            |                              |                      |
| Bassing Harbor      | MA96-48    | Excluding Crows Pond and Ryder Cove, Chatham.                                                                                                                                                                                                                       | 0.13    | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Centerville Harbor  | MA96-03    | From an imaginary line that extends from Dowses Beach, Barnstable to Hyannis Point including all waters north to the shore, Barnstable.                                                                                                                             | 1.46    | SQUARE MILES |                | X                                     | X                          | X                            | X                    |



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|-----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Chatham Harbor        | MA96-10    | Harbor, bounded on the east by the Cape Cod National Seashore (CCNS), with northern extent as an imaginary line drawn northeast from northern tip of Strong Island to a point on the inner CCNS and western extent as an imaginary line drawn from the southern tip of Strong Island south to Allen Point including waters south to an imaginary line along the northern edge of South Beach Bar extending from Chatham Lighthouse to inlet created by the 1987 storm, Chatham (area within CCSN designated as ORW). | 2.85 | SQUARE MILES |                | X                                     | X                          | X                            | X                    |
| Crows Pond            | MA96-47    | To Bassing Harbor, Chatham.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.19 | SQUARE MILES |                | X                                     | X                          | X                            | X                    |
| Falmouth Inner Harbor | MA96-17    | Waters included north of Falmouth Inner Harbor Light, Falmouth.                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.05 | SQUARE MILES |                |                                       |                            |                              | X                    |
| Hinckleys Pond        | MA96140    | Harwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 164  | ACRES        | X              | X                                     |                            | X                            |                      |
| Mashpee River         | MA96-89    | Headwaters, outlet Mashpee Pond, Mashpee to Quinacisset Avenue, Mashpee.                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.7  | MILES        |                | X                                     |                            |                              |                      |
| Nauset Harbor         | MA96-28    | The waters south of an imaginary line drawn east from Woods Cove, Orleans around the southern point of Stony Island, around the southern end of the unnamed island in the harbor, to the Cape Cod National Seashore point, excluding Mill Pond, Orleans (area associated with Cape Cod National Seashore designated as ORW).                                                                                                                                                                                         | 0.41 | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Quashnet River        | MA96-90    | Headwaters, outlet Johns Pond, Mashpee to just south of Route 28, Falmouth.                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4.1  | MILES        |                | X                                     |                            |                              |                      |
| Red Brook             | MA96-25    | From dam at Red Brook Road, Falmouth/Mashpee to Hamblin Pond, Falmouth/Mashpee.                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.01 | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Santuit River         | MA96-91    | Headwaters, outlet Santuit Pond, Mashpee to confluence with tidal portion south of Old Mill Road, Mashpee.                                                                                                                                                                                                                                                                                                                                                                                                           | 1.6  | MILES        |                | X                                     |                            |                              |                      |
| Upper Mill Pond       | MA96324    | Brewster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 249  | ACRES        | X              | X                                     |                            | X                            |                      |



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|------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                  |            |                                                                                                                                                                                                                                                                                                    |        |              | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Wellfleet Harbor | MA96-34    | The waters north of an imaginary line drawn east from the southern tip of Jeremy Point, Wellfleet to Sunken Meadow, Eastham excluding the estuaries of Herring River, Duck Creek, Blackfish Creek, and Fresh Brook, Wellfleet (area associated with Cape Cod National Seashore designated as ORW). | 8.4    | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| <b>Charles</b>   |            |                                                                                                                                                                                                                                                                                                    |        |              |                |                                       |                            |                              |                      |
| Chicken Brook    | MA72-34    | Source, outlet Waseeka Sanctuary Pond, Holliston to the confluence with the Charles River, Medway.                                                                                                                                                                                                 | 7.407  | MILES        | X              | X                                     | X                          | X                            |                      |
| Farm Pond        | MA72039    | Sherborn                                                                                                                                                                                                                                                                                           | 125.03 | ACRES        | X              |                                       |                            |                              |                      |
| Hammond Pond     | MA72044    | Newton                                                                                                                                                                                                                                                                                             | 22.382 | ACRES        | X              | X                                     |                            | X                            |                      |
| Hopping Brook    | MA72-35    | Source in Cedar Swamp, Holliston to the confluence with the Charles River, Bellingham/Medway.                                                                                                                                                                                                      | 4.863  | MILES        | X              | X                                     |                            |                              |                      |
| Jennings Pond    | MA72053    | Natick                                                                                                                                                                                                                                                                                             | 7.428  | ACRES        | X              |                                       |                            |                              |                      |
| Stony Brook      | MA72-26    | Headwaters, outlet Beaver Pond, Lincoln to inlet Stony Brook Reservoir, Waltham/Weston.                                                                                                                                                                                                            | 5.122  | MILES        | X              | X                                     | X                          | X                            |                      |
| Weld Pond        | MA72131    | Dedham                                                                                                                                                                                                                                                                                             | 26.786 | ACRES        | X              | X                                     | X                          | X                            |                      |
| <b>Chicopee</b>  |            |                                                                                                                                                                                                                                                                                                    |        |              |                |                                       |                            |                              |                      |
| Atherton Brook   | MA36-30    | Headwaters at confluence of Town Farm and Osgood Brooks, Shutesbury to mouth at Quabbin Reservoir, Pelham.                                                                                                                                                                                         | 1.9    | MILES        | X              | X                                     |                            |                              |                      |
| Burnshirt River  | MA36-37    | Headwaters - Outlet Stone Bridge Pond, Templeton/Phillipston to confluence with Canesto Brook, Barre. (through Williamsville Pond formerly segment MA36167)                                                                                                                                        | 8.6    | MILES        | X              |                                       |                            |                              |                      |
| Cadwell Creek    | MA36-29    | Headwaters east of Route 202 and northwest of Dodge Hill, Pelham to mouth at Quabbin Reservoir, Belchertown.                                                                                                                                                                                       | 3.2    | MILES        | X              | X                                     |                            |                              |                      |
| Canesto Brook    | MA36-36    | Headwaters northwest of Hubbardston State Forest near Hubbardston/Templeton town line to confluence with Ware River, Barre.                                                                                                                                                                        | 7.3    | MILES        | X              |                                       |                            |                              |                      |





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|---------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                           |            |                                                                                                                                                                                                             |      |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Chicopee River            | MA36-23    | Red Bridge Impoundment Dam, Wilbraham/Ludlow to Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow.                                                                                                     | 3.8  | MILES | X              | X                                     | X                          | X                            |                      |
| Conant Brook Reservoir    | MA36038    | Monson                                                                                                                                                                                                      | 4    | ACRES | X              |                                       |                            |                              |                      |
| Cooley Brook              | MA36-38    | From the outlet of Chicopee Reservoir, Chicopee to the confluence with the Chicopee River, Chicopee. (segment includes "braid" that conflues with the Chicopee River upstream of the mouth of Cooley Brook) | 1.2  | MILES | X              | X                                     | X                          | X                            |                      |
| Cranberry River           | MA36-20    | Source, outlet Cranberry Meadow Pond, Spencer to confluence with Sevenmile River, Spencer. (through Howe Pond formerly segment MA36073)                                                                     | 3.6  | MILES | X              | X                                     | X                          | X                            |                      |
| Dunn Brook                | MA36-19    | From confluence with Forget-Me-Not Brook, East Brookfield/Brookfield to confluence with Quaboag River, Brookfield.                                                                                          | 2.4  | MILES | X              |                                       | X                          | X                            |                      |
| East Branch Swift River   | MA36-35    | Headwaters at the confluence of Shattuck and Popple Camp Brooks, Phillipston to mouth at Pottapaug Pond, Petersham. (through Connor Pond formerly segment MA36039)                                          | 9.8  | MILES | X              | X                                     |                            |                              |                      |
| Forget-Me-Not Brook       | MA36-18    | Headwaters, North Brookfield to North Brookfield WWTP discharge, North Brookfield.                                                                                                                          | 1.7  | MILES | X              | X                                     | X                          | X                            |                      |
| Higher Brook              | MA36-42    | Headwaters south of Route 21, Ludlow through Harris Pond (formely reported as segment MA36067) to the Ludlow/Chicopee corporate boundary where the stream name changes to Fuller Brook.                     | 6.3  | MILES | X              | X                                     | X                          | X                            |                      |
| Hop Brook                 | MA36-32    | Headwaters upstream of West Street, New Salem to mouth at Quabbin Reservoir, New Salem.                                                                                                                     | 3.7  | MILES | X              |                                       |                            |                              |                      |
| Middle Branch Swift River | MA36-33    | Headwaters just north of Wendell and New Salem State Forests (south of the Swift River School), Wendell to mouth at Quabbin Reservoir, New Salem.                                                           | 6.9  | MILES | X              |                                       |                            |                              |                      |
| Quaboag River             | MA36-14    | Outlet of Quaboag Pond, Brookfield to Route 67 bridge, West Brookfield.                                                                                                                                     | 6.1  | MILES | X              | X                                     | X                          | X                            |                      |



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|                         |            |                                                                                                                                                                 |       |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Quaboag River           | MA36-15    | Route 67 bridge, West Brookfield to Warren WWTP discharge, Warren.                                                                                              | 6.3   | MILES | X              | X                                     | X                          | X                            |                      |
| Sevenmile River         | MA36-11    | Source, outlet Browning Pond, Spencer to confluence with Cranberry River, Spencer.                                                                              | 7.3   | MILES | X              | X                                     | X                          | X                            |                      |
| Sevenmile River         | MA36-12    | Confluence with Cranberry River, Spencer to confluence with East Brookfield River, East Brookfield.                                                             | 2.5   | MILES | X              | X                                     | X                          | X                            |                      |
| Swift River             | MA36-09    | Winsor Dam, Belchertown to Upper Bondsville Mill Dam, Belchertown/Palmer.                                                                                       | 5.6   | MILES | X              | X                                     | X                          | X                            |                      |
| Swift River             | MA36-10    | Upper Bondsville Mill Dam, Belchertown/Palmer to confluence with Ware River, Palmer.                                                                            | 3.9   | MILES | X              | X                                     | X                          | X                            |                      |
| Ware River              | MA36-04    | Dam at South Barre Reservoir, Barre to Wheelwright Dam, New Braintree/Hardwick.                                                                                 | 4.9   | MILES | X              | X                                     | X                          | X                            |                      |
| Ware River              | MA36-07    | Thorndike Dam, Palmer to confluence with Quaboag River, forming headwaters Chicopee River, Palmer.                                                              | 2.5   | MILES | X              | X                                     | X                          | X                            |                      |
| West Branch Fever Brook | MA36-34    | Headwaters just north (upstream) of Route 122, Petersham to mouth at Quabbin Reservoir, Petersham.                                                              | 3.4   | MILES | X              |                                       |                            |                              |                      |
| West Branch Swift River | MA36-31    | Headwaters - Outlet of small unnamed impoundment east of Cooleyville Road in Wendell State Forest, Wendell to mouth at Quabbin Reservoir, Shutesbury/New Salem. | 6.3   | MILES | X              |                                       |                            |                              |                      |
| West Branch Ware River  | MA36-02    | Outlet Brigham Pond, Hubbardston to confluence with the East Branch Ware River, Barre.                                                                          | 4.5   | MILES | X              |                                       |                            |                              |                      |
| <b>Concord (SuAsCo)</b> |            |                                                                                                                                                                 |       |       |                |                                       |                            |                              |                      |
| Assabet Brook           | MA82B-17   | Headwaters, outlet of Fletchers Pond, Stow to the confluence with the Assabet River, Stow.                                                                      | 1.982 | MILES | X              |                                       |                            |                              |                      |
| Cold Harbor Brook       | MA82B-18   | Headwaters, outlet of Rocky Pond, Boylston to confluence with Howard Brook, Northborough.                                                                       | 6.061 | MILES | X              | X                                     |                            |                              |                      |
| Danforth Brook          | MA82B-19   | Headwaters at the confluence of Mill Brook and an unnamed tributary draining from Little Pond, Bolton to the inlet of Bruces Pond, Hudson.                      | 2.366 | MILES | X              | X                                     |                            |                              |                      |
| Fort Meadow Brook       | MA82B-11   | Outlet of Fort Meadow Reservoir, Marlborough/Hudson to confluence with Assabet River, Hudson.                                                                   | 2.718 | MILES | X              | X                                     |                            |                              |                      |



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|                        |            |                                                                                                                                                                |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Hop Brook              | MA82B-20   | From the outlet of Smith Pond, Northborough to the confluence with the Assabet River, Northborough.                                                            | 1.259    | MILES | X              | X                                     |                            |                              |                      |
| Indian Brook           | MA82A-24   | Outlet of Hopkinton Reservoir, Ashland to the confluence with the Sudbury River, Ashland (formerly part of segment MA82A-12).                                  | 1.702    | MILES | X              | X                                     |                            |                              |                      |
| North Brook            | MA82B-21   | Headwaters, east of Ballville Road and north of Wataquodock Hill Road, Bolton to the confluence with the Assabet River, Berlin.                                | 7.763    | MILES | X              | X                                     |                            |                              |                      |
| Pine Brook             | MA82A-14   | From source south of Route 20, just east of the Weston/Wayland border to the confluence with the Sudbury River, Wayland.                                       | 2.485    | MILES | X              | X                                     |                            |                              |                      |
| Taylor Brook           | MA82B-08   | From the outlet of Puffer Pond, Maynard to the confluence with the Assabet River, Maynard.                                                                     | 1.770802 | MILES | X              |                                       |                            |                              |                      |
| Unnamed Tributary      | MA82A-21   | From the outlet of Heart Pond, Chelmsford to the inlet of Russell Millpond, Chelmsford.                                                                        | 4.113    | MILES | X              |                                       |                            |                              |                      |
| Unnamed Tributary      | MA82B-16   | From the outlet of Angiers Pond, Concord to confluence with the Assabet River, Concord (this segment is locally known as part of Spencer Brook).               | 0.486    | MILES | X              | X                                     |                            |                              |                      |
| West Pond              | MA82115    | Bolton                                                                                                                                                         | 18.986   | ACRES |                |                                       | X                          | X                            |                      |
| Willis Pond            | MA82122    | Sudbury                                                                                                                                                        | 67.329   | ACRES | X              | X                                     |                            |                              |                      |
| <b>Connecticut</b>     |            |                                                                                                                                                                |          |       |                |                                       |                            |                              |                      |
| Amethyst Brook         | MA34-35    | Headwaters, confluence of Buffum and Harris brooks, Pelham to the confluence with Adams River (forming the headwaters of Fort River), Amherst.                 | 2.143    | MILES | X              | X                                     |                            |                              |                      |
| Broad Brook            | MA34-18    | Headwaters, Holyoke to inlet Nashawannuck Pond, Easthampton.                                                                                                   | 9.285    | MILES |                | X                                     |                            |                              |                      |
| Cushman Brook          | MA34-34    | Headwaters, outlet Atkins Reservoir, Shutesbury to the inlet of Factory Hollow Pond, Amherst.                                                                  | 2.462    | MILES | X              | X                                     |                            |                              |                      |
| East Branch Mill River | MA34-37    | Headwaters, confluence of Bradford Brook, Williamsburg to confluence with the West Branch Mill River (forming the headwaters of the Mill River), Williamsburg. | 2.753    | MILES | X              | X                                     | X                          | X                            |                      |



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|------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                        |            |                                                                                                                                                               |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Fall River             | MA34-33    | Vermont/Massachusetts border, Bernardston to the confluence with the Connecticut River, Greenfield/Gill                                                       | 10.246   | MILES | X              | X                                     |                            |                              |                      |
| Mill River             | MA34-24    | Headwaters east of Fisher Hill, Conway to confluence with the Connecticut River, Hatfield.                                                                    | 24.63    | MILES | X              | X                                     | X                          | X                            |                      |
| Moose Brook            | MA34-17    | Headwaters, Southampton to confluence with Manhan River, Southampton.                                                                                         | 2.627    | MILES |                | X                                     |                            |                              |                      |
| Sawmill River          | MA34-41    | Dudleyville Road, Leverett to confluence with Connecticut River, Montague (formerly part of MA34-26).                                                         | 10.965   | MILES | X              | X                                     | X                          | X                            |                      |
| Scantic River          | MA34-30    | Massachusetts/Connecticut border, Monson downstream to the Massachusetts/Connecticut border, Hampden.                                                         | 9.599    | MILES |                | X                                     |                            |                              |                      |
| Temple Brook           | MA34-08    | Headwaters, outlet Bradley Pond, Monson to confluence with Scantic River, Hampden.                                                                            | 3.724    | MILES |                | X                                     |                            |                              |                      |
| Tripple Brook          | MA34-16    | Headwaters, Southampton to confluence with Manhan River, Southampton.                                                                                         | 1.016    | MILES |                | X                                     |                            |                              |                      |
| Upper Highland Lake    | MA34093    | Goshen                                                                                                                                                        | 51.244   | ACRES | X              |                                       |                            |                              |                      |
| West Branch Mill River | MA34-38    | East Street, Goshen to the confluence of Meekin Brook, Williamsburg.                                                                                          | 5.917    | MILES | X              | X                                     | X                          | X                            |                      |
| West Branch Mill River | MA34-39    | From the confluence of Meekin Brook, Williamsburg to the confluence with the East Branch Mill River (forming the headwaters of the Mill River), Williamsburg. | 0.641    | MILES | X              | X                                     | X                          | X                            |                      |
| <b>Deerfield</b>       |            |                                                                                                                                                               |          |       |                |                                       |                            |                              |                      |
| Bear River             | MA33-17    | Headwaters west of Barnes Road, Ashfield to confluence with Deerfield River, Conway.                                                                          | 6.926    | MILES | X              | X                                     |                            |                              |                      |
| Clark Brook            | MA33-16    | Headwaters, near Moonshine Road (Howes Road)/East Buckland Road, Buckland to confluence with Clesson Brook, Buckland.                                         | 3.779086 | MILES | X              | X                                     |                            |                              |                      |
| Clesson Brook          | MA33-15    | Outlet of unnamed pond south of Forget Road, Hawley through Cox Pond to confluence with Deerfield River, Buckland.                                            | 10.346   | MILES | X              | X                                     | X                          | X                            |                      |
| Cold River             | MA33-05    | Source in Florida to confluence with Deerfield River, Charlemont.                                                                                             | 13.719   | MILES | X              | X                                     | X                          | X                            |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                       | SIZE     | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                         |            |                                                                                                                                                                                                   |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Deerfield River         | MA33-01    | Outlet Sherman Reservoir Monroe/Rowe, to confluence with Cold River, Charlemont (through former segment, Lower Reservoir MA33028).                                                                | 13.43029 | MILES | X              | X                                     | X                          | X                            |                      |
| Deerfield River         | MA33-02    | Confluence with Cold River, Charlemont to confluence with North River, Charlemont/Shelburne                                                                                                       | 11.414   | MILES | X              | X                                     | X                          | X                            |                      |
| Deerfield River         | MA33-03    | Confluence with North River, Charlemont/Shelburne to confluence with Green River, Greenfield.                                                                                                     | 16.945   | MILES | X              | X                                     | X                          | X                            |                      |
| Deerfield River         | MA33-04    | Confluence with Green River, Greenfield to confluence with Connecticut River, Greenfield/Deerfield.                                                                                               | 2.061    | MILES | X              | X                                     | X                          | X                            |                      |
| Drakes Brook            | MA33-23    | Headwaters west of North Warger Road, Ashfield to confluence with Bear River, Conway.                                                                                                             | 2.016    | MILES | X              | X                                     |                            |                              |                      |
| East Branch North River | MA33-19    | Vermont line, Colrain to confluence with West Branch North River, Colrain.                                                                                                                        | 7.58     | MILES | X              | X                                     | X                          | X                            |                      |
| Foundry Brook           | MA33-25    | Headwaters north of Calvin Coombs Road, Colrain to confluence with East Branch North River, Colrain.                                                                                              | 2.773    | MILES | X              |                                       |                            |                              |                      |
| Green River             | MA33-28    | Vermont line, Colrain to Greenfield water supply dam (north of Eunice Williams Road), Greenfield. (formerly part of MA33-09)                                                                      | 8.474    | MILES | X              | X                                     |                            |                              |                      |
| Green River             | MA33-29    | From Greenfield water supply dam (north of Eunice Williams Road), Greenfield to the Greenfield swimming pool dam (northwest of Nashs Mill Road), Greenfield. (formerly part of MA33-09)           | 4.633    | MILES | X              | X                                     | X                          | X                            |                      |
| Mill Brook              | MA33-14    | Headwaters, originating north of Rowe Road, Heath to confluence with the Deerfield River, Charlemont.                                                                                             | 5.757    | MILES | X              | X                                     |                            |                              |                      |
| North Pond              | MA33014    | Florida                                                                                                                                                                                           | 19.115   | ACRES |                |                                       | X                          | X                            |                      |
| North River             | MA33-06    | From confluence of East and West branches of the North River, Colrain to confluence with Deerfield River, Shelburne/Charlemont. (Segment changed 1997 - East Branch no longer included in length) | 3.341    | MILES | X              | X                                     | X                          | X                            |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                       | SIZE     | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                         |            |                                                                                                                                   |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Pelham Brook            | MA33-12    | Headwaters at outlet Pelham Lake, Rowe to confluence with Deerfield River, Charlemont.                                            | 4.861    | MILES | X              | X                                     |                            |                              |                      |
| Pumpkin Hollow Brook    | MA33-32    | Headwaters north of Conway State Forest and south of Old Cricket Hill Road, Conway to confluence with South River, Conway.        | 2.297    | MILES | X              | X                                     |                            |                              |                      |
| South Pond              | MA33019    | Savoy                                                                                                                             | 28.675   | ACRES |                |                                       | X                          | X                            |                      |
| South River             | MA33-07    | Headwaters at outlet Ashfield Pond to Emmets Road, Ashfield.                                                                      | 2.263668 | MILES |                | X                                     | X                          | X                            |                      |
| Taylor Brook            | MA33-31    | From the confluence of Kinsman Brook and Davenport Brook, Heath to confluence with West Branch North River, Colrain.              | 2.635    | MILES | X              | X                                     | X                          | X                            |                      |
| Tisdell Brook           | MA33-24    | Headwaters west of Christian Hill, Colrain to confluence with West Branch North River, Colrain.                                   | 1.698    | MILES | X              |                                       |                            |                              |                      |
| West Branch North River | MA33-27    | Confluence of West Branch Brook and Burrington Brook, Heath to confluence with North River, forming the North River, Colrain.     | 7.127    | MILES |                | X                                     |                            |                              |                      |
| <b>Farmington</b>       |            |                                                                                                                                   |          |       |                |                                       |                            |                              |                      |
| Benton Brook            | MA31-11    | Drainage from Hayden Swamp, Otis to the confluence with the West Branch Farmington River, Otis.                                   | 5.240824 | MILES | X              | X                                     |                            |                              |                      |
| Buck River              | MA31-12    | Headwaters draining wetland just south of Morley Hill and Cronk Road, Sandisfield to confluence with the Clam River, Sandisfield. | 6.398259 | MILES | X              | X                                     |                            |                              |                      |
| Clam River              | MA31-03    | Outlet of Royal Pond, Otis to confluence with West Branch Farmington River, Sandisfield.                                          | 9.542    | MILES | X              | X                                     |                            |                              |                      |
| Cone Brook              | MA31-08    | Drainage from Angerman Swamp in Beartown State Forest, Otis to Hayden Pond, Otis.                                                 | 2.101    | MILES | X              | X                                     |                            |                              |                      |
| Fall River              | MA31-02    | Outlet Larkum Pond, Otis to confluence with West Branch Farmington River, Otis.                                                   | 0.761    | MILES | X              | X                                     |                            |                              |                      |
| Hubbard Brook           | MA31-16    | Confluence Babcock Brook and Hall Pond Brook, Tolland to border of Granville, Massachusetts/Hartland, Connecticut.                | 4.0271   | MILES | X              | X                                     |                            |                              |                      |
| Sandy Brook             | MA31-14    | Outlet York Lake, New Marlborough to border of Sandisfield, Massachusetts/Norfolk, Connecticut.                                   | 4.977348 | MILES | X              | X                                     |                            |                              |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                          | SIZE     | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                   |            |                                                                                                                                                                      |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Valley Brook      | MA31-15    | Source, northwest of Holden Hill, Granville to border of Granville, Massachusetts/Hartland, Connecticut.                                                             | 5.894326 | MILES | X              | X                                     |                            |                              |                      |
| <b>French</b>     |            |                                                                                                                                                                      |          |       |                |                                       |                            |                              |                      |
| Mill Brook        | MA42-10    | Headwaters, outlet Webster Lake, Webster to confluence with French River, Webster.                                                                                   | 1.2      | MILES | X              | X                                     |                            |                              |                      |
| Mine Brook        | MA42-16    | Headwaters, Webster to inlet Club Pond, Webster.                                                                                                                     | 1.4      | MILES | X              | X                                     | X                          | X                            |                      |
| Robinson Pond     | MA42047    | Oxford                                                                                                                                                               | 99       | ACRES | X              |                                       |                            |                              |                      |
| Unnamed Tributary | MA42-01    | Unnamed tributary to Town Meadow Brook, outlet Sargent Pond, Leicester to inlet Dutton Pond, Leicester.                                                              | 0.5      | MILES |                | X                                     |                            |                              |                      |
| Unnamed Tributary | MA42-19    | Unnamed tributary to the French River on the 1982 USGS quad as 'Lowes Brook', from the outlet of Lowes Pond, Oxford to the confluence with the French River, Oxford. | 1.3      | MILES | X              | X                                     | X                          | X                            |                      |
| Unnamed Tributary | MA42-20    | Unnamed tributary to South Fork locally known as 'Potters Brook', from outlet of Old Mill Pond Dam (MA01833), Charlton to the confluence with South Fork, Charlton.  | 0.9      | MILES | X              | X                                     | X                          | X                            |                      |
| Wellington Brook  | MA42-11    | Headwaters south of Cedar Street, Auburn to confluence with French River, Oxford.                                                                                    | 3.4      | MILES | X              | X                                     | X                          | X                            |                      |
| <b>Housatonic</b> |            |                                                                                                                                                                      |          |       |                |                                       |                            |                              |                      |
| Cady Brook        | MA21-12    | Source, Peru to the inlet of Windsor Reservoir, Hinsdale.                                                                                                            | 3.507    | MILES | X              | X                                     |                            |                              |                      |
| Cleveland Brook   | MA21-08    | Headwaters, outlet of Cleveland Brook Reservoir, Hinsdale to confluence with East Branch Housatonic River, Dalton.                                                   | 1.927    | MILES | X              | X                                     |                            |                              |                      |
| Furnace Brook     | MA21-21    | Headwaters south of Route 295 (Canaan Road), Richmond to inlet Mud Ponds, West Stockbridge.                                                                          | 3.649    | MILES |                | X                                     |                            |                              |                      |
| Goose Pond Brook  | MA21-07    | Outlet of Goose Pond, Tyringham to confluence with the Housatonic River, Lee.                                                                                        | 3.252    | MILES | X              | X                                     | X                          | X                            |                      |
| Green River       | MA21-23    | Alford, Massachusetts/Hillsdale, New York border southwest of Route 71 to confluence with the Housatonic River, Great Barrington.                                    | 10.139   | MILES | X              | X                                     | X                          | X                            |                      |
| Greenwater Brook  | MA21-27    | Headwaters, outlet of Greenwater Pond, Becket to the confluence with Goose Pond Brook, Lee                                                                           | 4.435    | MILES | X              | X                                     | X                          | X                            |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                     | SIZE   | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|---------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                           |            |                                                                                                                                 |        |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Hop Brook                 | MA21-28    | Headwaters, outlet of Curtin Pond, Otis to the confluence with the Housatonic River, Lee                                        | 11.948 | MILES | X              | X                                     | X                          | X                            |                      |
| Larrywaug Brook           | MA21-29    | Headwaters, outlet Stockbridge Bowl, Stockbridge to confluence with Housatonic River, Stockbridge                               | 2.863  | MILES |                | X                                     |                            |                              |                      |
| Williams River            | MA21-06    | Source, outlet Shaker Mill Pond, West Stockbridge to confluence with Housatonic River, Great Barrington.                        | 11.006 | MILES | X              | X                                     | X                          | X                            |                      |
| <b>Hudson: Hoosic</b>     |            |                                                                                                                                 |        |       |                |                                       |                            |                              |                      |
| Dry Brook                 | MA11-13    | Headwaters, west of Jackson Road (in Savoy Wildlife Management Area), Savoy to confluence with Hoosic River, Adams.             | 6.702  | MILES | X              | X                                     | X                          | X                            |                      |
| East Branch Green River   | MA11-21    | Headwaters, northeast of Sugarloaf Mountain, New Ashford to confluence with Green River, New Ashford.                           | 2.227  | MILES | X              | X                                     |                            |                              |                      |
| Hemlock Brook             | MA11-09    | Headwaters, south of Route 2 in the Taconic Trail State Park to confluence with the Hoosic River, Williamstown.                 | 7.083  | MILES | X              | X                                     | X                          | X                            |                      |
| Kitchen Brook             | MA11-24    | From the outlet of the unnamed reservoir (Kitchen Brook Reservoir), Cheshire to the confluence with the Hoosic River, Cheshire. | 1.445  | MILES | X              |                                       | X                          | X                            |                      |
| McDonald Brook            | MA11-16    | Source, southeast of Woodchuck Hill, Windsor to confluence with South Brook, Cheshire.                                          | 3      | MILES |                | X                                     |                            |                              |                      |
| North Branch Hoosic River | MA11-01    | Vermont State line, Clarksburg to USGS Gage, North Adams.                                                                       | 4.281  | MILES | X              | X                                     | X                          | X                            |                      |
| Pecks Brook               | MA11-18    | Headwaters west of West Mountain Road to confluence with the Hoosic River, Adams.                                               | 2.703  | MILES | X              | X                                     | X                          | X                            |                      |
| South Brook               | MA11-15    | Headwaters, west of Weston Mountain, Dalton to confluence with the Hoosic River, Cheshire.                                      | 4.138  | MILES | X              | X                                     | X                          | X                            |                      |
| West Branch Green River   | MA11-22    | Headwaters, west of Route 43, Hancock (near New York border) to confluence with Green River, Williamstown.                      | 7.896  | MILES | X              | X                                     | X                          | X                            |                      |
| <b>Ipswich</b>            |            |                                                                                                                                 |        |       |                |                                       |                            |                              |                      |
| Berry Pond                | MA92003    | North Andover                                                                                                                   | 3.896  | ACRES |                |                                       | X                          | X                            |                      |
| Boston Brook              | MA92-13    | Outlet of Towne Street Pond, North Andover to confluence with the Ipswich River, Middleton.                                     | 7.521  | MILES | X              | X                                     |                            |                              |                      |





## Massachusetts Category 2 Waters

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| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                                 | SIZE   | UNITS        | USES ATTAINED* |                                       |                            |                              |                      |
|---------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                     |            |                                                                                                                                                                                             |        |              | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Fish Brook          | MA92-14    | Headwater, outlet Stiles Pond, Boxford to confluence with Ipswich River, Topsfield/Boxford.                                                                                                 | 8.246  | MILES        | X              | X                                     |                            |                              |                      |
| Gravelly Brook      | MA92-18    | Headwaters, Willowdale State Forest, Ipswich to confluence with Ipswich River, Ipswich.                                                                                                     | 1.518  | MILES        | X              | X                                     |                            |                              |                      |
| Lubbers Brook       | MA92-05    | Billerica/Burlington boundry to confluence with Maple Meadow Brook forming headwaters of Ipswich River, Wilmington.                                                                         | 6.329  | MILES        | X              | X                                     |                            |                              |                      |
| Stiles Pond         | MA92063    | Boxford                                                                                                                                                                                     | 59.042 | ACRES        |                |                                       | X                          | X                            |                      |
| <b>Islands</b>      |            |                                                                                                                                                                                             |        |              |                |                                       |                            |                              |                      |
| Cape Poge Bay       | MA97-08    | From the outlet of The Lagoon at Toms Neck, Edgartown to the confluence with Edgartown Harbor at the Cape Poge Gut, (excluding Shear Pin Pond and Pease Pond) Edgartown, Martha's Vineyard. | 2.296  | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Coskata Pond        | MA97-03    | Pond north of Nantucket Harbor, Nantucket to confluence with Nantucket Harbor, Nantucket                                                                                                    | 0.082  | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Great Point Pond    | MA97-04    | On Great Point, to confluence with Nantucket Sound, Nantucket                                                                                                                               | 0.056  | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Mattakeset Bay      | MA97-14    | Waters west of an imaginary line drawn southeasterly from Katama Point to Norton Point, Edgartown, Martha's Vineyard.                                                                       | 0.173  | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Menemsha Pond       | MA97-06    | Waters between Nashaquitsa Pond and Menemsha Creek, Chilmark/Gay Head, Martha's Vineyard.                                                                                                   | 0.891  | SQUARE MILES |                |                                       | X                          | X                            | X                    |
| Mill Brook          | MA97-22    | Outlet of Bliss Pond, Chilmark to inlet Chilmark Pond, Chilmark, Martha's Vineyard                                                                                                          | 2.392  | MILES        | X              | X                                     |                            |                              |                      |
| Mill Brook          | MA97-24    | Source in wetlands west of Roth Woodland Road, Chilmark to inlet Old Millpond, West Tisbury, Martha's Vineyard                                                                              | 3.416  | MILES        | X              | X                                     |                            |                              |                      |
| Paint Mill Brook    | MA97-23    | Source east of Tea Lane, Chilmark to inlet of Paint Mill Brook Pond, Chilmark, Martha's Vineyard                                                                                            | 0.884  | MILES        | X              | X                                     |                            |                              |                      |
| Sengekontacket Pond | MA97-10    | Between East Vineyard Haven Road and Beach Road, including Majors Cove, Edgartown/Oak Bluffs, Martha's Vineyard.                                                                            | 1.098  | SQUARE MILES |                |                                       | X                          | X                            | X                    |



## Massachusetts Category 2 Waters

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|-----------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                             |            |                                                                                                                                                                                     |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Tiasquam River              | MA97-25    | Source in wetlands west of Tea Lane, Chilmark to inlet of Looks Pond, West Tisbury, Martha's Vineyard                                                                               | 2.83     | MILES | X              | X                                     |                            |                              |                      |
| <b>Merrimack</b>            |            |                                                                                                                                                                                     |          |       |                |                                       |                            |                              |                      |
| Bridge Meadow Brook         | MA84A-34   | Headwaters, north of Chestnut Road, Tyngsborough to inlet Flint Pond, Tyngsborough.                                                                                                 | 4        | MILES | X              | X                                     | X                          | X                            |                      |
| Joint Grass Brook           | MA84A-32   | Headwaters, between Hollis Street and Hawk Swamp, Dunstable to the confluence with Salmon Brook, Dunstable.                                                                         | 3.2      | MILES | X              |                                       | X                          | X                            |                      |
| Lawrence Brook              | MA84A-20   | Headwaters, Tyngsborough (excluding intermittent portion) to confluence with Merrimack River, Tyngsborough.                                                                         | 2        | MILES | X              | X                                     | X                          | X                            |                      |
| Martins Pond Brook          | MA84A-19   | Outlet Martins Pond, Groton to inlet Lost Lake, Groton.                                                                                                                             | 2.3      | MILES | X              | X                                     | X                          | X                            |                      |
| Reed Brook                  | MA84B-08   | Headwaters, south of the West Street/Cowdry Hill Road intersection, Westford to the confluence with Stony Brook, Westford.                                                          | 0.6      | MILES |                | X                                     |                            |                              |                      |
| Salmon Brook                | MA84A-33   | Headwaters, outlet Lower Massapoag Pond, Dunstable to New Hampshire state line, Dunstable.                                                                                          | 2.9      | MILES | X              |                                       | X                          | X                            |                      |
| South Branch Souhegan River | MA84A-31   | Headwaters, outlet Watatic Pond, Ashburnham to New Hampshire state line, Ashby.                                                                                                     | 3        | MILES | X              | X                                     |                            |                              |                      |
| Unnamed Tributary           | MA84A-38   | (Locally known as Argilla Brook) Unnamed tributary to Johnson Creek (excluding intermittent portion) from Center Street, Groveland to confluence with Johnson Creek, Groveland.     | 1.3      | MILES | X              | X                                     | X                          | X                            |                      |
| <b>Millers</b>              |            |                                                                                                                                                                                     |          |       |                |                                       |                            |                              |                      |
| Dunn Pond                   | MA35021    | Gardner                                                                                                                                                                             | 17.997   | ACRES | X              |                                       | X                          | X                            |                      |
| Lake Mattawa                | MA35112    | (PALIS ID Changed on 10/6/97 from 36092 to 35112 - Concurrently changed WBID to reflect this change - See PALIS for details) Orange                                                 | 111.982  | ACRES | X              |                                       | X                          | X                            |                      |
| Otter River                 | MA35-06    | Source, Hubbardston (north of Pitcherville Road) to Gardner WWTP, Gardner/Templeton.                                                                                                | 4.304796 | MILES | X              |                                       |                            |                              |                      |
| Priest Brook                | MA35-10    | Headwaters at the confluence of Towne and Scott Brooks, Royalston to the confluence with the Millers River, Winchendon. (According to SARIS includes lower portion of Scott Brook.) | 6.826    | MILES | X              | X                                     |                            |                              |                      |



## Massachusetts Category 2 Waters

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| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                 | SIZE   | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                      |            |                                                                                                                                                             |        |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Ruggles Pond         | MA35072    | Wendell                                                                                                                                                     | 14.832 | ACRES | X              |                                       | X                          | X                            |                      |
| <b>Nashua</b>        |            |                                                                                                                                                             |        |       |                |                                       |                            |                              |                      |
| Ball Brook           | MA81-45    | Headwaters, north of Sterling Road, Holden to the confluence with the Stillwater River, Sterling.                                                           | 1.6    | MILES |                |                                       | X                          | X                            |                      |
| Catacoonamug Brook   | MA81-16    | Outlet Lake Shirley, Lunenburg to confluence with Nashua River, Shirley/Harvard.                                                                            | 3.2    | MILES | X              | X                                     | X                          | X                            |                      |
| Chaffins Brook       | MA81-33    | Headwaters south of Malden Street/west of Wachusett Street, Holden to inlet of Unionville Pond, Holden.                                                     | 0.9    | MILES |                |                                       | X                          | X                            |                      |
| Connelly Brook       | MA81-57    | Headwaters, southwest of Rowley Hill Road, Sterling to the inlet of The Quag, Sterling.                                                                     | 2.9    | MILES |                |                                       | X                          | X                            |                      |
| East Wachusett Brook | MA81-30    | Headwaters northeast of Little Wachusett Mountain, Princeton to confluence with Stillwater River, Sterling.                                                 | 4.6    | MILES |                |                                       | X                          | X                            |                      |
| Fall Brook           | MA81-39    | From the outlet of Lake Samoset, Leominster to the confluence with the North Nashua River, Leominster (formerly part of segment MA81-14).                   | 3      | MILES |                | X                                     |                            |                              |                      |
| Flag Brook           | MA81-10    | Outlet Crocker Pond, Westminster to confluence with North Nashua River, Fitchburg (excluding approximately 0.7 miles through Sawmill Pond segment MA81118). | 2.2    | MILES |                |                                       | X                          | X                            |                      |
| French Brook         | MA81-48    | Headwaters, west of Linden Street, Boylston to the inlet of Wachusett Reservoir (Andrews Harbor), Boylston.                                                 | 1.4    | MILES |                |                                       | X                          | X                            |                      |
| Houghton Brook       | MA81-55    | Headwaters, south of Merrill Road, Sterling to confluence with Stillwater River, Sterling.                                                                  | 1.5    | MILES |                |                                       | X                          | X                            |                      |
| Justice Brook        | MA81-41    | Headwaters, outlet Stuart Pond, Sterling to confluence with Keyes Brook forming headwaters Stillwater River, Princeton/Sterling.                            | 1      | MILES |                |                                       | X                          | X                            |                      |
| Keyes Brook          | MA81-40    | Headwaters, outlet Paradise Pond, Princeton to confluence with Justice Brook forming headwaters Stillwater River, Princeton/Sterling.                       | 3.2    | MILES |                |                                       | X                          | X                            |                      |
| Malden Brook         | MA81-27    | Headwaters northeast of Lee Street, West Boylston to the inlet of Wachusett Reservoir (Thomas Basin), West Boylston.                                        | 1.9    | MILES |                | X                                     | X                          | X                            |                      |



## Massachusetts Category 2 Waters

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| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                               | SIZE | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                   |            |                                                                                                                                                           |      |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Nashua River      | MA81-08    | ("South Branch" Nashua River) Outlet Lancaster Millpond, Clinton to Clinton WWTP discharge, Clinton.                                                      | 2.8  | MILES | X              | X                                     | X                          | X                            |                      |
| Phillips Brook    | MA81-12    | Outlet Winnekeag Lake, Ashburnham to Westminster Street (Route 2A/31), Fitchburg.                                                                         | 8.4  | MILES | X              | X                                     | X                          | X                            |                      |
| Poor Farm Brook   | MA81-52    | Headwaters east of Salisbury Street, Holden to inlet Chaffin Pond, Holden.                                                                                | 1.2  | MILES |                |                                       | X                          | X                            |                      |
| Rocky Brook       | MA81-42    | Headwaters, outlet Hy-Crest Pond, Sterling to confluence with Stillwater River, Sterling.                                                                 | 3    | MILES |                |                                       | X                          | X                            |                      |
| Scanlon Brook     | MA81-44    | Headwaters, west of Birch Drive, Sterling to the confluence with the Stillwater River, Sterling.                                                          | 1.5  | MILES |                |                                       | X                          | X                            |                      |
| Scarletts Brook   | MA81-25    | Headwaters west of West Boylston Street (Route 12), West Boylston to confluence with Gates Brook, West Boylston.                                          | 0.5  | MILES |                |                                       | X                          | X                            |                      |
| Squannacook River | MA81-19    | Hollingsworth and Vose Dam, Groton/Shirley to confluence with Nashua River, Shirley/Groton/Ayer.                                                          | 3.7  | MILES | X              | X                                     | X                          | X                            |                      |
| Stillwater River  | MA81-31    | Confluence of Justice and Keyes brooks, Princeton/Sterling to the inlet of Wachusett Reservoir (Stillwater Basin), Sterling.                              | 6.7  | MILES |                | X                                     | X                          | X                            |                      |
| Sucker Brook      | MA81-23    | Outlet Coon Tree Pond, Pepperell to confluence with Nissitissit River, Pepperell.                                                                         | 4    | MILES |                |                                       | X                          | X                            |                      |
| Trout Brook       | MA81-26    | Outlet Cournoyer Pond, Holden to confluence with Quinepoxet River, Holden.                                                                                | 1.9  | MILES |                |                                       | X                          | X                            |                      |
| Unnamed Tributary | MA81-46    | Unnamed tributary to Rocky Brook from headwaters south of Upper North Row Road, Sterling to the confluence with Rocky Brook, Sterling.                    | 0.7  | MILES |                |                                       | X                          | X                            |                      |
| Unnamed Tributary | MA81-49    | Unnamed tributary to Wachusett Reservoir, from headwaters, outlet Carrolls Pond, West Boylston to inlet Wachusett Reservoir, West Boylston.               | 0.8  | MILES |                |                                       | X                          | X                            |                      |
| Unnamed Tributary | MA81-50    | Unnamed tributary to Wachusett Reservoir, from headwaters, east of Linden Street, Boylston to the inlet of Wachusett Reservoir (Hastings Cove), Boylston. | 1.3  | MILES |                |                                       | X                          | X                            |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                       | SIZE   | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                                    |            |                                                                                                                                                                                                                                   |        |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Unnamed Tributary                  | MA81-51    | Unnamed tributary to Quinapoxet River, from headwaters, south of Malden Street, Holden to the confluence with the Quinapoxet River, Holden.                                                                                       | 1.5    | MILES |                |                                       | X                          | X                            |                      |
| Unnamed Tributary                  | MA81-54    | Unnamed tributary to Wachusett Reservoir, from headwaters, west of Route 140, West Boylston to inlet of Wachusett Reservoir (Stillwater Basin), West Boylston.                                                                    | 0.8    | MILES |                |                                       |                            | X                            |                      |
| Unnamed Tributary                  | MA81-58    | Unnamed tributary to Quinapoxet Reservoir, from headwaters, west of Route 68, Rutland to the confluence with an unnamed tributary to the Quinapoxet Reservoir west of Bryant Road, Holden.                                        | 1.3    | MILES |                |                                       | X                          | X                            |                      |
| Unnamed Tributary                  | MA81-59    | Unnamed tributary to Quinapoxet River, from headwaters, southwest of Hog Hill, Sterling to the confluence with the Quinapoxet River, Sterling.                                                                                    | 1.6    | MILES |                |                                       | X                          | X                            |                      |
| Unnamed Tributary (Boylston Brook) | MA81-34    | Unnamed tributary locally known as "Boylston Brook." Headwaters north of French Drive, Boylston to the confluence with Potash Brook, Boylston.                                                                                    | 0.5    | MILES |                |                                       | X                          | X                            |                      |
| Warren Tannery Brook               | MA81-53    | Headwaters, north of Route 122A, Holden to confluence with Asnebumskit Brook, Holden.                                                                                                                                             | 1.4    | MILES |                |                                       | X                          | X                            |                      |
| Washacum Brook                     | MA81-47    | Headwaters, outlet West Waushacum Pond, Sterling to inlet of Wachusett Reservoir (Stillwater Basin), West Boylston.                                                                                                               | 1.8    | MILES |                |                                       | X                          | X                            |                      |
| Whitman River                      | MA81-11    | Outlet Lake Wampanoag, Ashburnham to inlet Snows Millpond, Fitchburg (excluding the approximately 1.2 miles through Whitmanville Reservoir segment MA81109 and the approximately 0.8 miles through Crocker Pond segment MA81025). | 6.3    | MILES | X              | X                                     |                            |                              |                      |
| Wilder Brook                       | MA81-43    | Headwaters west of Osgood Road, Sterling to confluence with Stillwater River, Sterling.                                                                                                                                           | 2.3    | MILES |                |                                       | X                          | X                            |                      |
| <b>North Coastal</b>               |            |                                                                                                                                                                                                                                   |        |       |                |                                       |                            |                              |                      |
| Beck Pond                          | MA93003    | Hamilton                                                                                                                                                                                                                          | 34.591 | ACRES | X              | X                                     |                            |                              |                      |
| Coy Pond                           | MA93016    | Wenham                                                                                                                                                                                                                            | 23.167 | ACRES | X              |                                       |                            |                              |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                           | SIZE  | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                   |            |                                                                                                                                                                                       |       |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Crane River       | MA93-38    | Outlet Mill Pond, Danvers to outlet of the pump house sluiceway, Purchase Street, Danvers.                                                                                            | 0.332 | MILES | X              | X                                     | X                          | X                            |                      |
| <b>Parker</b>     |            |                                                                                                                                                                                       |       |       |                |                                       |                            |                              |                      |
| Penn Brook        | MA91-16    | Outlet Baldpate Pond, Boxford to confluence with Parker River, Georgetown.                                                                                                            | 3     | MILES |                | X                                     |                            |                              |                      |
| <b>Quinebaug</b>  |            |                                                                                                                                                                                       |       |       |                |                                       |                            |                              |                      |
| Browns Brook      | MA41-20    | From the state line Holland, MA/Union, CT to the inlet of Hamilton Reservoir, Holland.                                                                                                | 0.8   | MILES | X              | X                                     | X                          | X                            |                      |
| Hamant Brook      | MA41-15    | Headwaters, outlet unnamed pond, Sturbridge to the confluence with the Quinebaug River, Sturbridge.                                                                                   | 3.1   | MILES | X              | X                                     | X                          | X                            |                      |
| Hollow Brook      | MA41-24    | Headwaters, west of Hollow Road, Wales to confluence with Mill Brook, Brimfield.                                                                                                      | 2.7   | MILES |                | X                                     |                            |                              |                      |
| Leadmine Brook    | MA41-21    | Headwaters, outlet Leadmine Pond, Sturbridge to the state line, Sturbridge, MA/Union, CT.                                                                                             | 2.5   | MILES | X              | X                                     | X                          | X                            |                      |
| Lebanon Brook     | MA41-11    | From the state line, Southbridge, MA/Woodstock, CT, to the confluence with the Quinebaug River, Southbridge.                                                                          | 4.7   | MILES | X              | X                                     | X                          | X                            |                      |
| Mountain Brook    | MA41-18    | Headwaters, east of Steerage Rock Road (excluding intermittent portion), Brimfield to the confluence with Mill Brook, Brimfield.                                                      | 1.9   | MILES | X              | X                                     | X                          | X                            |                      |
| Rocky Brook       | MA41-22    | Headwaters east of Chamberlain Pond (excluding intermittent portion), Douglas to the state line Douglas, MA/Thompson, CT.                                                             | 1.9   | MILES | X              | X                                     | X                          | X                            |                      |
| Stevens Brook     | MA41-19    | From the state line Wales, MA/Stafford, CT to the inlet of Hamilton Reservoir, Holland.                                                                                               | 4.7   | MILES | X              | X                                     | X                          | X                            |                      |
| Tufts Branch      | MA41-10    | Headwaters, north of Dudley-Southbridge Road, Dudley to the state line, Dudley, MA/Thompson, CT.                                                                                      | 2.8   | MILES | X              | X                                     | X                          | X                            |                      |
| Unnamed Tributary | MA41-23    | Unnamed tributary to the Quinebaug River from headwaters at the outlet of an unnamed pond on the Southbridge/Charlton border to the confluence with the Quinebaug River, Southbridge. | 1.9   | MILES | X              | X                                     | X                          | X                            |                      |
| Unnamed Tributary | MA41-25    | Unnamed tributary to Tufts Branch, headwaters, outlet Wielock Pond, Dudley to confluence with Tufts Branch, Dudley.                                                                   | 0.2   | MILES |                | X                                     |                            |                              |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                 | SIZE    | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|--------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                          |            |                                                                                                                                                             |         |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Unnamed Tributary        | MA41-26    | Unnamed tributary locally known as 'Freeman's Brook' from headwaters west of Cronin Road, Warren to an unnamed tributary to Long Pond, Sturbridge.          | 2.6     | MILES |                | X                                     |                            |                              |                      |
| Unnamed Tributary        | MA41-27    | Unnamed tributary to Mill Brook, headwaters south of East Hill Road, Brimfield to confluence with Mill Brook, Brimfield.                                    | 1.7     | MILES |                | X                                     |                            |                              |                      |
| West Brook               | MA41-17    | Headwaters, west of the Dix Hill Road/Route 19 intersection (excluding intermittent portion), Brimfield to the confluence with Mill Brook, Brimfield.       | 1.8     | MILES | X              | X                                     | X                          | X                            |                      |
| Wielock Pond             | MA41056    | Dudley                                                                                                                                                      | 6       | ACRES | X              |                                       |                            | X                            |                      |
| <b>Shawsheen</b>         |            |                                                                                                                                                             |         |       |                |                                       |                            |                              |                      |
| Content Brook            | MA83-09    | Outlet Richardson Pond, Billerica, to confluence with Shawsheen River, Tewksbury.                                                                           | 2.369   | MILES |                |                                       | X                          | X                            |                      |
| Meadow Brook             | MA83-12    | Outlet Ames Pond, Tewksbury, to confluence with Strong Water Brook, Tewksbury.                                                                              | 1.695   | MILES |                |                                       | X                          | X                            |                      |
| Unnamed Tributary        | MA83-16    | Also known as "Fosters Brook" - Outlet Fosters Pond, Andover through River Street Pond to confluence with Shawsheen River at Lowell Junction Pond, Andover. | 0.97257 | MILES |                |                                       | X                          | X                            |                      |
| <b>South Coastal</b>     |            |                                                                                                                                                             |         |       |                |                                       |                            |                              |                      |
| Black Jimmy Pond         | MA94008    | Plymouth                                                                                                                                                    | 8.612   | ACRES |                |                                       | X                          | X                            |                      |
| Elbow Pond               | MA94035    | Plymouth                                                                                                                                                    | 20.943  | ACRES |                |                                       | X                          | X                            |                      |
| First Herring Brook      | MA94-25    | From the headwaters in South Swamp, Norwell (through Tack Factory Pond) to the inlet of Old Oaken Bucket Pond, Scituate.                                    | 3.945   | MILES | X              | X                                     | X                          | X                            |                      |
| Forge Pond               | MA94036    | Plymouth                                                                                                                                                    | 13.738  | ACRES | X              | X                                     |                            | X                            |                      |
| Fresh Pond               | MA94040    | Plymouth                                                                                                                                                    | 59.775  | ACRES | X              |                                       | X                          | X                            |                      |
| Hedges Pond              | MA94065    | Plymouth                                                                                                                                                    | 27.072  | ACRES |                |                                       | X                          | X                            |                      |
| Hobomock Pond            | MA94177    | Pembroke                                                                                                                                                    | 12.701  | ACRES |                |                                       | X                          | X                            |                      |
| Little Pond              | MA94182    | Plymouth                                                                                                                                                    | 40.474  | ACRES |                |                                       | X                          | X                            |                      |
| Little Sandy Bottom Pond | MA94085    | Pembroke                                                                                                                                                    | 56.106  | ACRES |                |                                       | X                          | X                            |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                            | SIZE   | UNITS        | USES ATTAINED* |                                       |                            |                              |                      |
|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                      |            |                                                                                                                                                                        |        |              | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Maquan Pond          | MA94096    | Hanson                                                                                                                                                                 | 45.034 | ACRES        |                |                                       | X                          | X                            |                      |
| Plymouth Bay         | MA94-17    | The waters southeast of a line drawn from Saquish Head to the tip of Plymouth Beach, Plymouth and west of a line from Gurnet Point, Plymouth to Rocky Point, Plymouth. | 10.333 | SQUARE MILES | X              | X                                     | X                          | X                            | X                    |
| Savery Pond          | MA94136    | Plymouth                                                                                                                                                               | 28.872 | ACRES        |                |                                       | X                          | X                            |                      |
| Second Herring Brook | MA94-26    | Outlet of Turner Pond, Norwell (through Torrey Pond) to the Second Herring Brook Pond Dam, Norwell.                                                                    | 1.744  | MILES        | X              | X                                     | X                          | X                            |                      |
| South River          | MA94-08    | Headwaters from the outlet of unnamed pond north of Congress Street, Duxbury to dam at Main Street (Route 3A), Marshfield.                                             | 4.863  | MILES        | X              | X                                     | X                          | X                            |                      |
| Tack Factory Pond    | MA94152    | Scituate                                                                                                                                                               | 8.068  | ACRES        | X              | X                                     | X                          | X                            |                      |
| <b>Taunton</b>       |            |                                                                                                                                                                        |        |              |                |                                       |                            |                              |                      |
| Assonet River        | MA62-19    | Outlet Forge Pond, Freetown to Tisdale Dam (north of Route 79/Elm Street intersection), Freetown.                                                                      | 0.877  | MILES        | X              | X                                     | X                          | X                            |                      |
| Canoe River          | MA62-27    | Headwaters in wetland east of Cow Hill, Sharon to inlet of Winnecunnet Pond, Norton.                                                                                   | 14.297 | MILES        | X              | X                                     |                            |                              |                      |
| Cedar Swamp River    | MA62-44    | Headwaters south of Freetown Street, Lakeville to the inlet Forge Pond, Freetown (stream name changes to Assonet River at Lakeville/Freetown corporate boundary).      | 5.828  | MILES        | X              | X                                     | X                          | X                            |                      |
| Clear Pond           | MA62041    | Lakeville                                                                                                                                                              | 17.866 | ACRES        |                |                                       | X                          | X                            |                      |
| Cooper Pond          | MA62046    | Carver                                                                                                                                                                 | 21.635 | ACRES        | X              |                                       |                            | X                            |                      |
| Johns Pond           | MA62096    | Carver                                                                                                                                                                 | 21.27  | ACRES        |                |                                       | X                          | X                            |                      |
| Lovett Brook         | MA62-46    | Headwaters north of Oak Street, Brockton to inlet Elis Brett Pond, Brockton.                                                                                           | 1.541  | MILES        | X              |                                       |                            |                              |                      |
| Nemasket River       | MA62-25    | From the outlet of Assawompset Pond, Lakeville/Middleborough to Middleborough WWTP discharge, Middleborough.                                                           | 6.093  | MILES        | X              | X                                     |                            |                              |                      |
| Nemasket River       | MA62-26    | From the Middleborough WWTP discharge, Middleborough to the confluence with the Taunton River, Middleborough.                                                          | 5.365  | MILES        | X              |                                       |                            |                              |                      |





## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                            | SIZE     | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                   |            |                                                                                                                                                        |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Rattlesnake Brook | MA62-45    | Headwaters east of Riggensbach Road, Fall River to confluence with Assonet River, Freetown.                                                            | 3.184    | MILES | X              | X                                     |                            |                              |                      |
| Rumford River     | MA62-40    | Outlet Norton Reservoir, Norton to confluence with Wading and Threemile rivers, Norton (formerly part of segment MA62-15).                             | 4.532    | MILES | X              |                                       |                            |                              |                      |
| Satucket River    | MA62-10    | From the outlet of Robbins Pond, East Bridgewater to the confluence with the Matfield River, East Bridgewater.                                         | 5.597    | MILES | X              | X                                     | X                          | X                            |                      |
| Taunton River     | MA62-01    | Confluence of Town and Matfield rivers, Bridgewater to Route 24 bridge, Taunton/Raynham.                                                               | 20.396   | MILES |                | X                                     |                            |                              |                      |
| Tispaquin Pond    | MA62195    | Middleborough                                                                                                                                          | 194.595  | ACRES |                |                                       | X                          | X                            |                      |
| Winnetuxet River  | MA62-24    | From the outlet of a small unnamed pond near Cole Mill, Carver to the confluence with the Taunton River, Halifax.                                      | 11.816   | MILES | X              |                                       |                            |                              |                      |
| <b>Ten Mile</b>   |            |                                                                                                                                                        |          |       |                |                                       |                            |                              |                      |
| Sevenmile River   | MA52-07    | Headwaters, outlet Hoppin Hill Reservoir, North Attleborough to inlet Orrs Pond, Attleboro (thru Luther Reservoir formerly segment MA52025).           | 3.2      | MILES | X              | X                                     | X                          | X                            |                      |
| <b>Westfield</b>  |            |                                                                                                                                                        |          |       |                |                                       |                            |                              |                      |
| Bedlam Brook      | MA32-33    | Source, north of Blandford Road to confluence with Peebles Brook, Blandford.                                                                           | 3.208729 | MILES | X              | X                                     |                            |                              |                      |
| Bradley Brook     | MA32-21    | From the confluence of Black and Stage brooks, Russell to the confluence with the Westfield River, Russell.                                            | 0.722654 | MILES | X              | X                                     | X                          | X                            |                      |
| Cook Brook        | MA32-38    | Headwaters, outlet small unnamed pond west of the intersection of Gorge and Granville roads, Westfield to the confluence with Little River, Westfield. | 2        | MILES |                |                                       | X                          | X                            |                      |
| Depot Brook       | MA32-17    | Source in Washington (north of Beach Road) to confluence with Yokum Brook, Becket.                                                                     | 6.040331 | MILES |                | X                                     |                            |                              |                      |
| Dickinson Brook   | MA32-34    | Source, confluence of Trumble Brook and Seymour Brook to confluence with Munn Brook, Granville.                                                        | 3.424544 | MILES | X              | X                                     |                            |                              |                      |
| Great Brook       | MA32-25    | Source at outlet of Congamond Lakes, Southwick to confluence with Westfield River, Westfield.                                                          | 10.69273 | MILES |                | X                                     | X                          | X                            |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                                                         | SIZE     | UNITS | USES ATTAINED* |                                       |                            |                              |                      |
|-------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------|----------------------------|------------------------------|----------------------|
|                               |            |                                                                                                                                                     |          |       | Aesthetic      | Fish, other Aquatic Life and Wildlife | Primary Contact Recreation | Secondary Contact Recreation | Shellfish Harvesting |
| Kinne Brook                   | MA32-32    | Source, west of West Street, Worthington to confluence with Middle Branch Westfield River, Chester.                                                 | 5.583392 | MILES | X              |                                       |                            |                              |                      |
| Little River                  | MA32-16    | Confluence of Watts and Wards streams in Worthington (Ringville) to confluence with Westfield River, Huntington.                                    | 5.677    | MILES | X              | X                                     |                            |                              |                      |
| Little River                  | MA32-35    | Source at the outlet of Cobble Mountain Reservoir dam, Russell to dam northwest of Gorge Road, Russell. (formerly part of segment MA32-26)          | 2.633    | MILES | X              | X                                     |                            |                              |                      |
| Middle Branch Westfield River | MA32-02    | Source in Peru State Wildlife Management Area, Peru to inlet of Littleville Lake just upstream from boat ramp (south of Kinne Brook Road), Chester. | 14.743   | MILES |                | X                                     |                            |                              |                      |
| Miller Brook                  | MA32-27    | Outlet from small unnamed pond in Robinson State Park, north of North Street, Agawam to confluence with Westfield River, Agawam.                    | 0.628635 | MILES |                | X                                     |                            |                              |                      |
| Pond Brook                    | MA32-24    | Outlet of Chapin Pond, Westfield to confluence with Powdermill Brook, Westfield.                                                                    | 3.89069  | MILES |                |                                       | X                          | X                            |                      |
| Roaring Brook                 | MA32-30    | Source north of Horse Hill in Huntington State Forest, Huntington to confluence with Westfield River, Montgomery.                                   | 4.336    | MILES | X              | X                                     |                            |                              |                      |
| Russell Pond                  | MA32061    | Russell                                                                                                                                             | 82.18    | ACRES |                |                                       | X                          | X                            |                      |
| Sanderson Brook               | MA32-31    | Source north of Chester Road in the Chester/Blandford State Forest, Blandford to confluence with West Branch Westfield River, Chester.              | 3.460416 | MILES | X              | X                                     |                            |                              |                      |
| Shaker Mill Brook             | MA32-18    | Source in October Mountain State Forest, Washington to confluence with Depot Brook, Becket.                                                         | 4.175987 | MILES |                | X                                     |                            |                              |                      |
| Swift River                   | MA32-12    | Source, southwest of Hawley center to confluence with Westfield River at village of Swift River, Cummington.                                        | 11.50344 | MILES |                | X                                     |                            |                              |                      |
| Walker Brook                  | MA32-20    | Headwaters at outlet of Center Pond (north of YMCA Road), Becket to confluence of the West Branch Westfield River, Chester.                         | 7.124    | MILES |                | X                                     |                            |                              |                      |



## Massachusetts Category 2 Waters

### "Attaining some uses; other uses not assessed"

| NAME                           | SEGMENT ID | DESCRIPTION                                                                                                              | SIZE     | UNITS | USES ATTAINED* |                                             |                               |                                    |                         |
|--------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|---------------------------------------------|-------------------------------|------------------------------------|-------------------------|
|                                |            |                                                                                                                          |          |       | Aesthetic      | Fish, other<br>Aquatic Life and<br>Wildlife | Primary Contact<br>Recreation | Secondary<br>Contact<br>Recreation | Shellfish<br>Harvesting |
| Wards Stream                   | MA32-15    | Source southeast of Knowles Hill, Worthington to confluence with Watts Stream at Ringville, Worthington.                 | 5.213408 | MILES |                | X                                           |                               |                                    |                         |
| Watts Stream                   | MA32-14    | Source near West Hill, Worthington to confluence with Wards Stream at Ringville, Worthington.                            | 5.17417  | MILES |                | X                                           |                               |                                    |                         |
| West Branch<br>Westfield River | MA32-01    | Source formed by confluence of Depot Brook and Yokum Brook in Becket to confluence with Westfield River, Huntington.     | 18.105   | MILES |                | X                                           |                               |                                    |                         |
| Westfield River                | MA32-04    | Confluence of Drowned Land Brook and Center Brook in Savoy to confluence with Middle Branch Westfield River, Huntington. | 33.156   | MILES | X              | X                                           | X                             | X                                  |                         |
| Westfield River                | MA32-07    | Westfield/West Springfield/Agawam city line to confluence with Connecticut River, Agawam.                                | 8.47687  | MILES | X              |                                             |                               | X                                  |                         |
| White Brook                    | MA32-28    | Source just north of Route 147, Agawam to confluence with Westfield River, Agawam.                                       | 0.929925 | MILES |                | X                                           |                               |                                    |                         |
| Yokum Brook                    | MA32-19    | Source at outlet of Buckley-Duton Lake (east of Walling Mountain), Becket to confluence with Depot Brook, Becket.        | 4.006738 | MILES | X              | X                                           |                               |                                    |                         |



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## Massachusetts Category 3 Waters "No uses assessed"

| NAME                         | SEGMENT ID | DESCRIPTION           | SIZE | UNITS |
|------------------------------|------------|-----------------------|------|-------|
| <b>Blackstone</b>            |            |                       |      |       |
| Bell Pond                    | MA51009    | Worcester             | 10   | ACRES |
| Brooklawn Parkway Pond       | MA51195    | Shrewsbury            | 2    | ACRES |
| Carpenter Reservoir          | MA51015    | Northbridge           | 78   | ACRES |
| Chase Pond                   | MA51017    | Douglas               | 11   | ACRES |
| Chockalog Pond               | MA51018    | Uxbridge              | 11   | ACRES |
| Clark Reservoir              | MA51022    | Sutton                | 29   | ACRES |
| Crane Pond                   | MA51030    | Blackstone            | 1    | ACRES |
| Crystal Lake                 | MA51031    | Douglas               | 96   | ACRES |
| Dark Brook Pond              | MA51034    | Sutton                | 18   | ACRES |
| Doctors Pond                 | MA51194    | Uxbridge              | 1    | ACRES |
| Dudley Pond                  | MA51041    | Douglas               | 8    | ACRES |
| Hales Pond                   | MA51057    | Wrentham              | 4    | ACRES |
| Hathaway Pond                | MA51059    | Millbury/Sutton       | 8    | ACRES |
| Holden Reservoir 1           | MA51063    | Holden                | 124  | ACRES |
| Holden Reservoir 2           | MA51064    | Holden                | 52   | ACRES |
| Houghton Pond                | MA51067    | Uxbridge              | 2    | ACRES |
| Howe Pond                    | MA51069    | Millbury              | 4    | ACRES |
| Hunt Pond                    | MA51072    | Douglas               | 2    | ACRES |
| Joels Pond                   | MA51076    | Uxbridge              | 11   | ACRES |
| Joes Rock Pond               | MA51077    | Wrentham              | 12   | ACRES |
| Kettle Brook Reservoir No. 1 | MA51079    | Leicester             | 11   | ACRES |
| Kettle Brook Reservoir No. 2 | MA51080    | Leicester             | 29   | ACRES |
| Kettle Brook Reservoir No. 3 | MA51081    | Paxton/Leicester      | 36   | ACRES |
| Kettle Brook Reservoir No. 4 | MA51082    | Paxton                | 113  | ACRES |
| Lake Hiawatha                | MA51062    | Bellingham/Blackstone | 58   | ACRES |
| Lynde Brook Reservoir        | MA51090    | Leicester             | 130  | ACRES |
| Martin Street Pond           | MA51095    | Douglas               | 3    | ACRES |
| Merrill Pond No. 3           | MA51098    | Sutton                | 13   | ACRES |
| Merrill Pond No. 4           | MA51099    | Sutton                | 20   | ACRES |
| Nipmuck Pond                 | MA51111    | Mendon                | 85   | ACRES |
| Number 2 Pond                | MA51115    | Sutton/Oxford         | 9    | ACRES |
| Peabody Pond                 | MA51119    | Uxbridge              | 6    | ACRES |
| Pout Pond                    | MA51121    | Uxbridge              | 9    | ACRES |
| Pout Pond                    | MA51122    | Boylston              | 14   | ACRES |



## Massachusetts Category 3 Waters "No uses assessed"

| NAME                                      | SEGMENT ID | DESCRIPTION                                                                                                                                 | SIZE  | UNITS        |
|-------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|
| Pratts Pond                               | MA51124    | Grafton                                                                                                                                     | 4     | ACRES        |
| Ramshorn Pond                             | MA51126    | Sutton/Millbury                                                                                                                             | 131   | ACRES        |
| Reservoir No. 4                           | MA51128    | Sutton                                                                                                                                      | 10    | ACRES        |
| Schoolhouse Pond                          | MA51144    | Sutton                                                                                                                                      | 7     | ACRES        |
| Sewall Pond                               | MA51191    | Boylston                                                                                                                                    | 13    | ACRES        |
| Silver Hill Pond                          | MA51149    | Milford                                                                                                                                     | 6     | ACRES        |
| Slaughterhouse Pond                       | MA51153    | Millbury/Sutton                                                                                                                             | 10    | ACRES        |
| Stoneville Reservoir                      | MA51161    | Auburn                                                                                                                                      | 60    | ACRES        |
| Stump Pond                                | MA51162    | Oxford                                                                                                                                      | 20    | ACRES        |
| Town Farm Pond                            | MA51168    | Sutton                                                                                                                                      | 6     | ACRES        |
| Wallum Lake                               | MA51172    | Douglas (size indicates portion in Massachusetts)                                                                                           | 138   | ACRES        |
| Whitin Reservoir                          | MA51179    | Douglas                                                                                                                                     | 342   | ACRES        |
| Windle Pond                               | MA51184    | Grafton/Shrewsbury                                                                                                                          | 4     | ACRES        |
| <b>Boston Harbor: Mystic</b>              |            |                                                                                                                                             |       |              |
| Bellevue Pond                             | MA71004    | Medford                                                                                                                                     | 2     | ACRES        |
| Cummings Brook                            | MA71-10    | Headwaters east of Wright Street, Woburn to confluence with Fowle Brook, Woburn.                                                            | 2.1   | MILES        |
| Sales Creek                               | MA71-12    | Headwaters near Route 145, Revere to tidegate/confluence with Belle Isle Inlet, Boston/Revere.                                              | 0.008 | SQUARE MILES |
| Shaker Glen Brook                         | MA71-11    | Headwaters, west of Dix Road Extention, Woburn to confluence with Fowle Brook, Woburn (portion culverted underground).                      | 1.5   | MILES        |
| Spot Pond                                 | MA71039    | Stoneham/Medford                                                                                                                            | 290   | ACRES        |
| <b>Boston Harbor: Neponset</b>            |            |                                                                                                                                             |       |              |
| Blue Hills Reservoir                      | MA73004    | Quincy                                                                                                                                      | 12    | ACRES        |
| Bubbling Brook                            | MA73-11    | Headwaters (perennial portion), near North Street, Walpole to inlet Pettee Pond, Walpole/Westwood border.                                   | 0.9   | MILES        |
| Buckmaster Pond                           | MA73006    | Westwood                                                                                                                                    | 34    | ACRES        |
| Flynns Pond                               | MA73019    | Medfield                                                                                                                                    | 7     | ACRES        |
| Hammer Shop Pond                          | MA73023    | Sharon                                                                                                                                      | 2     | ACRES        |
| Lymans Pond                               | MA73021    | Westwood                                                                                                                                    | 25    | ACRES        |
| Sprague Pond                              | MA73053    | Boston/Dedham                                                                                                                               | 7     | ACRES        |
| Steep Hill Brook                          | MA73-18    | Outlet of Pinewood Pond, Stoughton, to the inlet of Bolivar Pond, Canton.                                                                   | 0.9   | MILES        |
| Tubwreck Brook                            | MA73-07    | Headwaters - small unnamed pond southeast of Powissett Street, Dover to confluence with Mill Brook just southwest of Dover/Medfield border. | 1.6   | MILES        |
| Unnamed Tributary                         | MA73-10    | Outlet Turner Pond, Walpole to confluence with Neponset River, Walpole.                                                                     | 0.4   | MILES        |
| Unnamed Tributary                         | MA73-14    | Outlet Willet Pond, Walpole/Norwood, to inlet Ellis Pond, Norwood.                                                                          | 0.4   | MILES        |
| <b>Boston Harbor: Weymouth &amp; Weir</b> |            |                                                                                                                                             |       |              |
| Accord Pond                               | MA74030    | Hingham/Norwell/Rockland (formerly reported as MA94002)                                                                                     | 103   | ACRES        |



## Massachusetts Category 3 Waters "No uses assessed"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                      | SIZE    | UNITS |
|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| Farm River           | MA74-07    | From Randolph/Braintree border (where name changes from Blue Hill River), to confluence with Cochato River (forming headwaters of Monaticquot River), Braintree. | 3.1     | MILES |
| Hoosicwhisick Pond   | MA74015    | Milton                                                                                                                                                           | 23      | ACRES |
| Old Quincy Reservoir | MA74017    | Braintree                                                                                                                                                        | 27      | ACRES |
| Trout Brook          | MA74-12    | Headwaters southwest of South Street, Holbrook to inlet Lake Holbrook, Holbrook.                                                                                 | 1.2     | MILES |
| <b>Buzzards Bay</b>  |            |                                                                                                                                                                  |         |       |
| Abner Pond           | MA95001    | Plymouth                                                                                                                                                         | 8.853   | ACRES |
| Agawam River         | MA95-28    | Outlet Mill Pond, Wareham to Wareham WWTP, Wareham.                                                                                                              | 0.609   | MILES |
| Bates Pond           | MA95007    | Carver                                                                                                                                                           | 19.045  | ACRES |
| Big Rocky Pond       | MA95119    | (Rocky Pond) Plymouth                                                                                                                                            | 18.111  | ACRES |
| Big Sandy Pond       | MA95011    | Plymouth                                                                                                                                                         | 133.21  | ACRES |
| Blackmore Reservoir  | MA95015    | Wareham                                                                                                                                                          | 42.821  | ACRES |
| Buttonwood Park Pond | MA95020    | New Bedford                                                                                                                                                      | 11.543  | ACRES |
| Cedar Dell Lake      | MA95021    | Dartmouth                                                                                                                                                        | 22.894  | ACRES |
| Cedar Lake           | MA95-96344 | Falmouth (formerly reported as segment MA96344)                                                                                                                  | 20      | ACRES |
| Deer Pond            | MA95036    | Plymouth                                                                                                                                                         | 8.697   | ACRES |
| Dicks Pond           | MA95038    | Wareham                                                                                                                                                          | 41.848  | ACRES |
| Dunham Pond          | MA95044    | Carver                                                                                                                                                           | 42.796  | ACRES |
| East Head Pond       | MA95177    | Carver/Plymouth                                                                                                                                                  | 91.504  | ACRES |
| Ezekiel Pond         | MA95051    | Plymouth                                                                                                                                                         | 35.611  | ACRES |
| Fawn Pond            | MA95053    | Plymouth                                                                                                                                                         | 43.743  | ACRES |
| Five Mile Pond       | MA95056    | Plymouth                                                                                                                                                         | 21.786  | ACRES |
| Flax Pond            | MA95-96087 | Bourne (formerly reported as segment MA96087)                                                                                                                    | 20      | ACRES |
| Gallows Pond         | MA95059    | Plymouth                                                                                                                                                         | 49.086  | ACRES |
| Halfway Pond         | MA95178    | (On 9 October 1997, PALIS ID was changed from 94057 to 95178; therefor, this pond historically reported in South Coastal "94") Plymouth                          | 214.592 | ACRES |
| Horseshoe Pond       | MA95075    | Wareham                                                                                                                                                          | 59.147  | ACRES |
| Kings Pond           | MA95078    | Plymouth                                                                                                                                                         | 22.235  | ACRES |
| Leonards Pond        | MA95080    | Rochester                                                                                                                                                        | 49.397  | ACRES |
| Little Long Pond     | MA95088    | Plymouth                                                                                                                                                         | 47.692  | ACRES |
| Little Long Pond     | MA95089    | Wareham/Plymouth                                                                                                                                                 | 12.411  | ACRES |
| Little Rocky Pond    | MA95091    | Plymouth                                                                                                                                                         | 9.453   | ACRES |
| Little Sandy Pond    | MA95092    | Plymouth                                                                                                                                                         | 28.91   | ACRES |
| Little West Pond     | MA95093    | Plymouth                                                                                                                                                         | 24.546  | ACRES |
| Long Duck Pond       | MA95095    | Plymouth                                                                                                                                                         | 21.79   | ACRES |
| Long Pond            | MA95096    | Plymouth                                                                                                                                                         | 208.287 | ACRES |



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| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                             | SIZE   | UNITS |
|---------------------------|------------|-------------------------------------------------------------------------------------------------------------------------|--------|-------|
| Mare Pond                 | MA95172    | Plymouth                                                                                                                | 12.543 | ACRES |
| Marys Pond                | MA95100    | Rochester                                                                                                               | 81.191 | ACRES |
| Mattapoissett River       | MA95-36    | Outlet Snipatuit Pond, Rochester to River Road bridge, Mattapoissett.                                                   | 10.117 | MILES |
| Micajah Pond              | MA95102    | Plymouth                                                                                                                | 20.215 | ACRES |
| Paskamanset River         | MA95-11    | Outlet Turners Pond Dartmouth/New Bedford to confluence with Slocums River, Dartmouth.                                  | 10.543 | MILES |
| Rocky Meadow Brook Pond   | MA95118    | Carver                                                                                                                  | 10.997 | ACRES |
| Rocky Pond                | MA95179    | Plymouth                                                                                                                | 20.43  | ACRES |
| Round Pond                | MA95123    | Plymouth                                                                                                                | 20.167 | ACRES |
| Sand Pond                 | MA95127    | Wareham                                                                                                                 | 14.446 | ACRES |
| Sandy Pond                | MA95128    | Wareham                                                                                                                 | 15.292 | ACRES |
| Shingle Island River      | MA95-12    | Outlet of small unnamed pond northeast of Flag Swamp Road, Dartmouth to inlet Noquochoke Lake (north basin), Dartmouth. | 4.995  | MILES |
| South Meadow Brook Pond   | MA95139    | Carver                                                                                                                  | 24.842 | ACRES |
| South Meadow Pond         | MA95140    | Carver                                                                                                                  | 22.196 | ACRES |
| Southwest Atwood Bog Pond | MA95141    | Carver                                                                                                                  | 11.597 | ACRES |
| Spectacle Pond            | MA95142    | Wareham                                                                                                                 | 41.48  | ACRES |
| Three Cornered Pond       | MA95145    | Plymouth                                                                                                                | 12.268 | ACRES |
| Tinkham Pond              | MA95148    | Mattapoissett/Acushnet                                                                                                  | 16.619 | ACRES |
| Union Pond                | MA95152    | Wareham                                                                                                                 | 17.007 | ACRES |
| Unnamed Tributary         | MA95-57    | Outlet Cornell Pond, Dartmouth to confluence with Shingle Island River, Dartmouth.                                      | 1.009  | MILES |
| Wankinco River            | MA95-30    | Outlet East Head Pond, Carver/Plymouth (follows border through cranberry bogs) to Elm Street bridge, Wareham.           | 6.526  | MILES |
| Whites Pond               | MA95168    | Plymouth                                                                                                                | 33.713 | ACRES |
| <b>Cape Cod</b>           |            |                                                                                                                         |        |       |
| Clapps Pond               | MA96035    | Provincetown (area associated with Cape Cod National Seashore designated as ORW).                                       | 40     | ACRES |
| Cliff Pond                | MA96039    | Brewster                                                                                                                | 191    | ACRES |
| Coonamessett River        | MA96-69    | Headwaters, outlet of Coonamessett Pond, Falmouth to the inlet of Great Pond, Falmouth.                                 | 3.4    | MILES |
| Depot Pond                | MA96061    | Eastham                                                                                                                 | 26     | ACRES |
| Flax Pond                 | MA96090    | Dennis                                                                                                                  | 15     | ACRES |
| Goose Pond                | MA96106    | Chatham                                                                                                                 | 35     | ACRES |
| Gull Pond                 | MA96123    | Wellfleet                                                                                                               | 103    | ACRES |
| Herring Pond              | MA96133    | Eastham                                                                                                                 | 42     | ACRES |
| Herring Pond              | MA96134    | Wellfleet                                                                                                               | 18     | ACRES |
| Hoxie Pond                | MA96146    | Sandwich                                                                                                                | 8      | ACRES |
| Kinnacum Pond             | MA96163    | Wellfleet                                                                                                               | 2      | ACRES |
| Lake Elizabeth            | MA96080    | Barnstable                                                                                                              | 6      | ACRES |





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| NAME                    | SEGMENT ID | DESCRIPTION                                             | SIZE    | UNITS |
|-------------------------|------------|---------------------------------------------------------|---------|-------|
| Long Pond               | MA96180    | Yarmouth                                                | 54      | ACRES |
| Miss Thachers Pond      | MA96258    | Yarmouth                                                | 6       | ACRES |
| Nye Pond                | MA96228    | Sandwich                                                | 6       | ACRES |
| Pilgrim Lake            | MA96246    | Orleans                                                 | 38      | ACRES |
| Rushy Marsh Pond        | MA96266    | Barnstable                                              | 14      | ACRES |
| Scargo Lake             | MA96279    | Dennis                                                  | 54      | ACRES |
| Schoolhouse Pond        | MA96281    | Chatham                                                 | 20      | ACRES |
| Shallow Pond            | MA96285    | Barnstable                                              | 76      | ACRES |
| Shubael Pond            | MA96293    | Barnstable                                              | 55      | ACRES |
| Village Pond            | MA96329    | Truro                                                   | 2       | ACRES |
| <b>Charles</b>          |            |                                                         |         |       |
| Brookline Reservoir     | MA72010    | Brookline                                               | 21.111  | ACRES |
| Cambridge Reservoir     | MA72014    | Waltham/Lincoln/Lexington                               | 532.011 | ACRES |
| Chestnut Hill Reservoir | MA72023    | Boston                                                  | 82.253  | ACRES |
| Crystal Lake            | MA72030    | Newton                                                  | 27.273  | ACRES |
| Halls Pond              | MA72043    | Brookline                                               | 0.57    | ACRES |
| Little Farm Pond        | MA72064    | Sherborn                                                | 23.801  | ACRES |
| Louisa Lake             | MA72068    | Milford                                                 | 7.772   | ACRES |
| Norumbega Reservoir     | MA72086    | [North Basin] Weston                                    | 13.643  | ACRES |
| Norumbega Reservoir     | MA72087    | [South Basin] Weston                                    | 38.41   | ACRES |
| Sandy Pond              | MA72105    | Lincoln                                                 | 157.108 | ACRES |
| South End Pond          | MA72109    | Millis                                                  | 29.525  | ACRES |
| Stony Brook             | MA72-37    | Outlet Turtle Pond, Boston to culvert entrance, Boston. | 1.62    | MILES |
| Stony Brook Reservoir   | MA72114    | Waltham/Weston                                          | 63.58   | ACRES |
| Todd Pond               | MA72117    | Lincoln                                                 | 9.257   | ACRES |
| Walker Pond             | MA72126    | Millis                                                  | 9.008   | ACRES |
| Waseeka Sanctuary Pond  | MA72155    | Holliston                                               | 17.053  | ACRES |
| Weston Reservoir        | MA72134    | Weston                                                  | 58.655  | ACRES |
| Weston Station Pond     | MA72135    | Weston                                                  | 37.666  | ACRES |
| <b>Chicopee</b>         |            |                                                         |         |       |
| Adams Pond              | MA36001    | Oakham                                                  | 30      | ACRES |
| Asnacomet Pond          | MA36005    | Hubbardston                                             | 126     | ACRES |
| Bemis Road Pond         | MA36012    | Hubbardston                                             | 16      | ACRES |
| Bennett Street Pond     | MA36014    | Palmer                                                  | 6       | ACRES |
| Bickford Pond           | MA36015    | Hubbardston/Princeton                                   | 163     | ACRES |



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| NAME                        | SEGMENT ID | DESCRIPTION                                                                                                                                           | SIZE | UNITS |
|-----------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| Brigham Pond                | MA36020    | Hubbardston                                                                                                                                           | 45   | ACRES |
| Brooks Pond                 | MA36022    | Petersham                                                                                                                                             | 86   | ACRES |
| Calkins Brook               | MA36-26    | Headwaters, southeast of Baptist Hill, Palmer to confluence with Twelvemile Brook, Wilbraham.                                                         | 2.7  | MILES |
| Carter Pond                 | MA36029    | Petersham                                                                                                                                             | 44   | ACRES |
| Chicopee Brook              | MA36-21    | Headwaters, east of Peaked Mountain, Monson (through Chicopee Brook Pond, formerly segment MA36031) to confluence with Quaboag River, Monson.         | 9.9  | MILES |
| Chicopee Reservoir          | MA36033    | Chicopee                                                                                                                                              | 22   | ACRES |
| Cloverdale Street Pond      | MA36036    | Rutland                                                                                                                                               | 19   | ACRES |
| Comins Pond                 | MA36037    | Warren                                                                                                                                                | 26   | ACRES |
| Cranberry Meadow Pond       | MA36040    | Spencer/Charlton                                                                                                                                      | 69   | ACRES |
| Crystal Lake                | MA36043    | Palmer                                                                                                                                                | 16   | ACRES |
| Cunningham Pond             | MA36044    | Hubbardston                                                                                                                                           | 27   | ACRES |
| Cusky Pond                  | MA36045    | New Braintree                                                                                                                                         | 28   | ACRES |
| Demond Pond                 | MA36051    | Rutland                                                                                                                                               | 120  | ACRES |
| Dimmock Pond                | MA36053    | Springfield                                                                                                                                           | 9    | ACRES |
| Edson Pond                  | MA36180    | Rutland                                                                                                                                               | 36   | ACRES |
| Fivemile Pond               | MA36061    | Springfield                                                                                                                                           | 36   | ACRES |
| Fivemile Pond South         | MA36182    | Springfield                                                                                                                                           | 4    | ACRES |
| Gaston Pond                 | MA36065    | Barre                                                                                                                                                 | 15   | ACRES |
| Haviland Pond               | MA36069    | Ludlow                                                                                                                                                | 25   | ACRES |
| Horse Pond                  | MA36072    | North Brookfield                                                                                                                                      | 63   | ACRES |
| Knights Pond                | MA36077    | Belchertown                                                                                                                                           | 36   | ACRES |
| Lovewell Pond               | MA36085    | Hubbardston                                                                                                                                           | 82   | ACRES |
| Mare Meadow Reservoir       | MA36090    | Westminster/Hubbardston                                                                                                                               | 240  | ACRES |
| Mare Meadow Reservoir North | MA36178    | Westminster                                                                                                                                           | 38   | ACRES |
| Moose Hill Reservoir        | MA36179    | Spencer/Leicester                                                                                                                                     | 52   | ACRES |
| Moulton Pond                | MA36098    | Rutland                                                                                                                                               | 65   | ACRES |
| Muddy Pond                  | MA36102    | Oakham/Rutland                                                                                                                                        | 23   | ACRES |
| Murphy Pond                 | MA36103    | Ludlow                                                                                                                                                | 6    | ACRES |
| Palmer Reservoir            | MA36115    | Palmer                                                                                                                                                | 8    | ACRES |
| Paradise Lake               | MA36116    | Monson                                                                                                                                                | 17   | ACRES |
| Pattaquatic Pond            | MA36117    | Palmer                                                                                                                                                | 18   | ACRES |
| Peppers Mill Pond           | MA36121    | Ware                                                                                                                                                  | 11   | ACRES |
| Perry Hill Pond             | MA36122    | Hubbardston                                                                                                                                           | 23   | ACRES |
| Prince River                | MA36-08    | Source, outlet Hemingway Pond, Barre to confluence with Ware River, Barre (excluding approximately 0.6 miles through Old Reservoir, segment MA36114). | 7.1  | MILES |



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| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                 | SIZE    | UNITS |
|-------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| Queen Lake              | MA36132    | Phillipston                                                                                                                                 | 139     | ACRES |
| Shaw Pond               | MA36138    | Leicester                                                                                                                                   | 64      | ACRES |
| Springfield Reservoir   | MA36145    | Ludlow                                                                                                                                      | 393     | ACRES |
| Stone Bridge Pond       | MA36148    | Templeton                                                                                                                                   | 32      | ACRES |
| Thayer Pond             | MA36181    | Rutland                                                                                                                                     | 46      | ACRES |
| Thompson Lake           | MA36154    | Palmer                                                                                                                                      | 34      | ACRES |
| Thompsons Pond          | MA36155    | Spencer                                                                                                                                     | 116     | ACRES |
| Town Barn Beaver Pond   | MA36156    | Petersham                                                                                                                                   | 20      | ACRES |
| Waite Pond              | MA36161    | Hubbardston                                                                                                                                 | 34      | ACRES |
| <b>Concord (SuAsCo)</b> |            |                                                                                                                                             |         |       |
| Cedar Swamp Pond        | MA82016    | Westborough                                                                                                                                 | 16.579  | ACRES |
| Clamshell Pond          | MA82018    | Clinton                                                                                                                                     | 24.326  | ACRES |
| Denny Brook             | MA82A-27   | From outlet of unnamed pond west of South Street, Westborough to confluence with Jackstraw Brook, Westborough                               | 0.642   | MILES |
| Elm Street Pond         | MA82032    | Chelmsford/Carlisle                                                                                                                         | 65.646  | ACRES |
| Farrar Pond             | MA82036    | Lincoln                                                                                                                                     | 83.012  | ACRES |
| Fiske Street Pond       | MA82037    | Carlisle/Chelmsford                                                                                                                         | 37.732  | ACRES |
| Fort Pond               | MA82043    | Littleton                                                                                                                                   | 101.823 | ACRES |
| Fort Pond Brook         | MA82B-13   | From source in a wetland just west of Fort Pond, Littleton to the inlet of Warners Pond, Concord.                                           | 10.239  | MILES |
| Gates Pond              | MA82047    | Berlin                                                                                                                                      | 72.666  | ACRES |
| Gates Pond Brook        | MA82B-10   | From the outlet of Gates Pond, Berlin to the confluence with the Assabet River, Berlin.                                                     | 1.042   | MILES |
| Gleasons Pond           | MA82048    | Framingham                                                                                                                                  | 10.504  | ACRES |
| Ice House Pond          | MA82066    | Acton                                                                                                                                       | 11.219  | ACRES |
| Indian Brook            | MA82A-23   | Headwaters, outlet of Icehouse Pond, Hopkinton to the inlet of Hopkinton Reservoir, Hopkinton (formerly part of segment MA82A-12).          | 2.33    | MILES |
| Jackstraw Brook         | MA82A-28   | From headwaters west of Upton Road, Westborough to inlet of Cedar Swamp Pond, Westborough                                                   | 1.919   | MILES |
| Learned Pond            | MA82069    | Framingham                                                                                                                                  | 33.857  | ACRES |
| Milham Reservoir        | MA82077    | Marlborough                                                                                                                                 | 66.594  | ACRES |
| Nagog Pond              | MA82082    | Littleton/Acton                                                                                                                             | 277.719 | ACRES |
| Piccadilly Brook        | MA82A-30   | From headwaters, outlet of Westboro Reservoir, Westborough to inlet to Cedar Swamp Pond, Westborough                                        | 2.032   | MILES |
| Rutters Brook           | MA82A-29   | From headwaters near Robin Road, Westborough to confluence with Jackstraw Brook, Westborough                                                | 1.968   | MILES |
| Second Division Brook   | MA82B-09   | From the headwaters at the outlet of small unnamed pond north of Waltham Street, Maynard to the confluence with the Assabet River, Concord. | 2.909   | MILES |
| Smith Pond              | MA82099    | Northborough                                                                                                                                | 15.553  | ACRES |
| Solomon Pond            | MA82100    | Northborough                                                                                                                                | 21.242  | ACRES |



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| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                                                          | SIZE    | UNITS |
|-------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| Spencer Brook                 | MA82B-15   | From the outlet of an unnamed pond north of Bellows Hill, Carlisle to the inlet of Angiers Pond, Concord.                                            | 3.794   | MILES |
| Sudbury River                 | MA82A-01   | From the source at the outlet of Cedar Swamp Pond, Westborough to the Fruit Street Bridge, Hopkinton/Westborough.                                    | 1.895   | MILES |
| Tripp Pond                    | MA82107    | Hudson                                                                                                                                               | 3.501   | ACRES |
| Westborough Reservoir         | MA82114    | Westborough                                                                                                                                          | 41.007  | ACRES |
| White Pond                    | MA82118    | Concord                                                                                                                                              | 36.112  | ACRES |
| White Pond                    | MA82119    | Hudson/Stow                                                                                                                                          | 48.837  | ACRES |
| Whitehall Brook               | MA82A-11   | From the outlet of Whitehall Reservoir, Hopkinton to confluence with the Sudbury River, Westborough.                                                 | 3.485   | MILES |
| Williams Lake                 | MA82121    | Marlborough                                                                                                                                          | 69.316  | ACRES |
| <b>Connecticut</b>            |            |                                                                                                                                                      |         |       |
| Atkins Reservoir              | MA34006    | Shutesbury                                                                                                                                           | 46.468  | ACRES |
| Brickyard Brook               | MA34-13    | Headwaters, Westfield to confluence with Manhan River, Westfield.                                                                                    | 1.616   | MILES |
| Cooley Brook                  | MA34-20    | Headwaters, Longmeadow to confluence with Connecticut River, Longmeadow.                                                                             | 1.44    | MILES |
| Danks Pond                    | MA34019    | Northampton/Easthampton                                                                                                                              | 2.796   | ACRES |
| Factory Hollow Pond           | MA34021    | Amherst                                                                                                                                              | 11.89   | ACRES |
| Green Pond                    | MA34028    | Montague                                                                                                                                             | 14.727  | ACRES |
| Lake Pleasant                 | MA34070    | Montague                                                                                                                                             | 54.006  | ACRES |
| Long Plain Brook              | MA34-09    | Headwaters, Leveret/Sunderland town line (in Mt. Toby State Forest) to confluence with Russellville Brook at Route 116, Sunderland.                  | 5.012   | MILES |
| Longmeadow Brook              | MA34-21    | Headwaters, outlet Turner Park Pond, Longmeadow to confluence with Connecticut River, Longmeadow.                                                    | 4.454   | MILES |
| Lower Highland Lake           | MA34047    | Goshen                                                                                                                                               | 90.731  | ACRES |
| Manhan River                  | MA34-10    | Headwaters, northeast of Norwich Pond, Huntington to inlet Tighe Carmody Reservoir, Southampton (thru White Reservoir formerly segment MA34100).     | 6.551   | MILES |
| Mill River Diversion          | MA34-32    | Headwaters, outlet Paradise Pond to confluence with Oxbow (east of Old Springfield Road), Northampton (thru Hulberts Pond formerly segment MA34036). | 2.538   | MILES |
| Mountain Street Reservoir     | MA34056    | Williamsburg/Hatfield/Whately                                                                                                                        | 66.673  | ACRES |
| Nine Mile Pond                | MA34127    | Wilbraham (PALIS/Segment changed from 36107 to 34127, TRD 6/21/02)                                                                                   | 32.531  | ACRES |
| Northampton Reservoir         | MA34059    | Whately                                                                                                                                              | 80.365  | ACRES |
| Northfield Mountain Reservoir | MA34061    | Erving                                                                                                                                               | 237.269 | ACRES |
| Pine Island Lake              | MA34069    | Westhampton                                                                                                                                          | 55.096  | ACRES |
| Plympton Brook Pond           | MA34071    | Wendell                                                                                                                                              | 4.894   | ACRES |
| Potash Brook                  | MA34-12    | Headwaters to confluence with Manhan River, Southampton.                                                                                             | 0.96    | MILES |
| Raspberry Brook               | MA34-22    | From Massachusetts/Connecticut border to confluence with Connecticut River, Longmeadow.                                                              | 1.794   | MILES |
| Roberts Meadow Reservoir      | MA34076    | Northampton                                                                                                                                          | 22.421  | ACRES |
| Sawmill River                 | MA34-40    | Headwaters, outlet Lake Wyola, Shutesbury to Dudleyville Road, Leverett (formerly part of MA34-26).                                                  | 2.032   | MILES |



## Massachusetts Category 3 Waters "No uses assessed"

| NAME                             | SEGMENT ID | DESCRIPTION                                                                                                           | SIZE    | UNITS |
|----------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------|---------|-------|
| Sawyer Ponds                     | MA34078    | [North Basin] Northfield                                                                                              | 9.263   | ACRES |
| Sawyer Ponds                     | MA34079    | [South Basin] Northfield                                                                                              | 12.41   | ACRES |
| Silver Lake                      | MA34084    | Agawam                                                                                                                | 8.696   | ACRES |
| Tighe Carmody Reservoir          | MA34089    | Southampton                                                                                                           | 353.401 | ACRES |
| Unnamed Tributary                | MA34-31    | Headwater, outlet Lake Warner to confluence with Connecticut River, Hadley.                                           | 0.531   | MILES |
| White Brook                      | MA34-14    | Headwaters, Easthampton to inlet Nashawannuck Pond, Easthampton.                                                      | 1.807   | MILES |
| <b>Deerfield</b>                 |            |                                                                                                                       |         |       |
| Bog Pond                         | MA33003    | Savoy                                                                                                                 | 34.994  | ACRES |
| Bozrah Brook                     | MA33-13    | Headwaters, located west of East Hawley Road, Hawley (drains wetland) to confluence with Deerfield River, Charlemont. | 2.996   | MILES |
| Burnett Pond                     | MA33005    | Savoy                                                                                                                 | 17.717  | ACRES |
| Dragon Brook                     | MA33-20    | Headwaters north of Patten Road, Shelburne to confluence with the Deerfield River, Shelburne                          | 4.352   | MILES |
| Fox Brook Upper Reservoir        | MA33006    | Colrain                                                                                                               | 2.954   | ACRES |
| Goodnow Road Pond                | MA33007    | Buckland                                                                                                              | 10.918  | ACRES |
| Hallockville Pond                | MA33009    | Plainfield/Hawley                                                                                                     | 18.555  | ACRES |
| Highland Pond                    | MA33032    | Greenfield                                                                                                            | 2.104   | ACRES |
| Hinsdale Brook                   | MA33-21    | Headwaters east of Fiske Mill Road, Shelburne to confluence with Punch Brook, Greenfield                              | 2.831   | MILES |
| Maynard Pond                     | MA33011    | Greenfield                                                                                                            | 3.249   | ACRES |
| McLeod Pond                      | MA33012    | Colrain                                                                                                               | 41.336  | ACRES |
| Mt. Brook Reservoir              | MA33024    | Colrain                                                                                                               | 1.471   | ACRES |
| Newell Pond                      | MA33013    | Greenfield                                                                                                            | 0.928   | ACRES |
| Papoose Lake                     | MA33023    | Heath                                                                                                                 | 14.088  | ACRES |
| Phelps Brook Reservoir           | MA33030    | Monroe                                                                                                                | 0.052   | ACRES |
| Shingle Brook                    | MA33-22    | Headwaters north of Guy Manners Road, Shelburne to confluence with the Deerfield River, Deerfield.                    | 2.764   | MILES |
| Smith Brook                      | MA33-26    | Headwaters, outlet Upper Reservoir, Ashfield to confluence with Clesson Brook, Buckland.                              | 2.664   | MILES |
| Upper Greenfield Reservoir       | MA33021    | Leyden                                                                                                                | 5.748   | ACRES |
| Upper Highland Springs Reservoir | MA33025    | Ashfield                                                                                                              | 2.483   | ACRES |
| Upper Reservoir Bear Swamp       | MA33026    | Rowe                                                                                                                  | 108.283 | ACRES |
| <b>Farmington</b>                |            |                                                                                                                       |         |       |
| Cranberry Pond                   | MA31008    | Tolland                                                                                                               | 75.489  | ACRES |
| Creek Pond                       | MA31009    | (Watson Pond) Otis                                                                                                    | 51.734  | ACRES |
| Dimmock Brook                    | MA31-10    | Outlet of Dimmock Brook Pond, Otis to confluence with West Branch Farmington River, Otis.                             | 1.006   | MILES |
| Dimmock Brook Pond               | MA31010    | Otis                                                                                                                  | 15.166  | ACRES |
| Hayden Pond                      | MA31016    | Otis                                                                                                                  | 27.999  | ACRES |
| Long Bow Lake                    | MA31019    | Becket                                                                                                                | 25.585  | ACRES |



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| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                   | SIZE     | UNITS |
|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|----------|-------|
| Lower Spectacle Pond | MA31020    | Sandisfield                                                                                                                   | 69.815   | ACRES |
| Royal Pond           | MA31034    | Otis/Monterey                                                                                                                 | 7.419    | ACRES |
| Shales Brook         | MA31-04    | Source north of Tyringham Road, Becket to inlet Shaw Pond, Becket.                                                            | 1.238268 | MILES |
| Silver Brook         | MA31-13    | Confluence of North Branch and South Branch Silver Brook, Sandisfield to confluence with Clam River, Sandisfield.             | 0.957688 | MILES |
| Silver Shield Pond   | MA31054    | Becket                                                                                                                        | 9.792    | ACRES |
| Thomas Brook         | MA31-06    | Outlet Thomas Pond, Becket to confluence with unnamed tributary, Otis.                                                        | 0.823572 | MILES |
| Unnamed Tributary    | MA31-05    | Source in wetlands southwest of Route 90 and east of Route 20, Becket to inlet Shaw Pond, Becket.                             | 1.333735 | MILES |
| Unnamed Tributary    | MA31-07    | Outlet Shaw Pond, Becket/Otis to inlet Hayden Pond, Otis.                                                                     | 0.889249 | MILES |
| Unnamed Tributary    | MA31-09    | Source north of Route 23 and east of Harrington Road, Otis to confluence with West Branch Farmington River, Otis.             | 1.997087 | MILES |
| Ward Pond            | MA31047    | Becket                                                                                                                        | 27.153   | ACRES |
| West Lake            | MA31050    | Sandisfield                                                                                                                   | 60.286   | ACRES |
| White Lily Pond      | MA31051    | Otis                                                                                                                          | 62.146   | ACRES |
| <b>French</b>        |            |                                                                                                                               |          |       |
| Bartons Brook        | MA42-08    | Headwaters, outlet Stiles Reservoir, Leicester to inlet Greenville Pond West, Leicester.                                      | 1.1      | MILES |
| Burncoat Pond        | MA42007    | Leicester/Spencer                                                                                                             | 115      | ACRES |
| Carbuncle Pond       | MA42008    | Oxford                                                                                                                        | 11       | ACRES |
| Easterbrook Pond     | MA42017    | Dudley                                                                                                                        | 5        | ACRES |
| Greenville Pond West | MA42022    | Leicester                                                                                                                     | 6        | ACRES |
| Hayden Pond          | MA42024    | Dudley                                                                                                                        | 44       | ACRES |
| Henshaw Pond         | MA42025    | Leicester                                                                                                                     | 37       | ACRES |
| Hultered Pond        | MA42072    | Charlton                                                                                                                      | 4        | ACRES |
| Little Nugget Lake   | MA42032    | Charlton                                                                                                                      | 13       | ACRES |
| Little River         | MA42-14    | Outlet Buffum Pond, Oxford to confluence with French River, Oxford (formerly part of segment MA42-09).                        | 1.3      | MILES |
| Merino Pond          | MA42036    | Dudley                                                                                                                        | 75       | ACRES |
| Nipmuck Pond         | MA42039    | Webster                                                                                                                       | 20       | ACRES |
| Putnam Pond          | MA42046    | Charlton                                                                                                                      | 20       | ACRES |
| Slaters Pond         | MA42053    | Oxford                                                                                                                        | 105      | ACRES |
| Snow Pond            | MA42054    | Charlton                                                                                                                      | 1        | ACRES |
| Stiles Reservoir     | MA42055    | Spencer/Leicester                                                                                                             | 309      | ACRES |
| Town Meadow Brook    | MA42-02    | Headwaters, outlet Dutton Pond, Leicester to inlet Greenville Pond, Leicester.                                                | 1.9      | MILES |
| Unnamed Tributary    | MA42-12    | Unnamed tributary to Wellington Brook, perennial portion from Depot Road, Oxford to confluence with Wellington Brook, Oxford. | 0.2      | MILES |
| Watson Millpond      | MA42063    | Spencer                                                                                                                       | 2        | ACRES |
| Wee Laddie Pond      | MA42065    | Charlton                                                                                                                      | 6        | ACRES |



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| NAME                                            | SEGMENT ID | DESCRIPTION                                                                                                 | SIZE     | UNITS |
|-------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------|----------|-------|
| <b>Housatonic</b>                               |            |                                                                                                             |          |       |
| Anthony Brook                                   | MA21-10    | Headwaters, outlet of Anthony Pond, Dalton to the confluence with Wahconah Falls Brook, Dalton.             | 2.568    | MILES |
| Ashley Lake                                     | MA21003    | Washington                                                                                                  | 93.644   | ACRES |
| Benedict Pond                                   | MA21011    | Great Barrington/Monterey                                                                                   | 37.034   | ACRES |
| Card Pond                                       | MA21015    | West Stockbridge                                                                                            | 11.424   | ACRES |
| Cleveland Brook Reservoir                       | MA21019    | Hinsdale                                                                                                    | 155.627  | ACRES |
| Cookson Pond                                    | MA21021    | New Marlborough                                                                                             | 67.096   | ACRES |
| Crane Lake                                      | MA21025    | West Stockbridge                                                                                            | 27.474   | ACRES |
| East Indies Pond                                | MA21029    | New Marlborough                                                                                             | 72.217   | ACRES |
| Farnham Reservoir                               | MA21033    | Washington                                                                                                  | 40.87    | ACRES |
| Hayes Pond                                      | MA21051    | Otis                                                                                                        | 46.264   | ACRES |
| Mill Pond                                       | MA21069    | Egremont                                                                                                    | 10.403   | ACRES |
| Seekonk Brook                                   | MA21-22    | Outlet of small impoundment east of West Road, Alford to confluence with the Green River, Great Barrington. | 4.787    | MILES |
| Unnamed Tributary                               | MA21-24    | Headwaters, outlet of Mill Pond, Egremont to confluence with Hubbard Brook, Egremont.                       | 1.481    | MILES |
| Upper Sackett Reservoir                         | MA21113    | Hinsdale                                                                                                    | 19.454   | ACRES |
| Windsor Reservoir                               | MA21119    | Hinsdale/Windsor                                                                                            | 74.354   | ACRES |
| <b>Hudson: Hoosic</b>                           |            |                                                                                                             |          |       |
| Bassett Brook                                   | MA11-17    | Headwaters southeast slope of Saddle Ball Mountain, Adams to inlet Bassett Reservoir, Cheshire.             | 1.939    | MILES |
| Broad Brook                                     | MA11-23    | From Vermont state line, Williamstown to the confluence with the Hoosic River, Williamstown.                | 2.184    | MILES |
| Mt. Williams Reservoir                          | MA11010    | North Adams                                                                                                 | 45.842   | ACRES |
| Notch Reservoir                                 | MA11011    | North Adams                                                                                                 | 12.287   | ACRES |
| Thunder Brook                                   | MA11-10    | Headwaters, Cheshire to confluence with Kitchen Brook, Cheshire.                                            | 1.545    | MILES |
| Windsor Lake                                    | MA11016    | North Adams                                                                                                 | 23.993   | ACRES |
| <b>Ipswich</b>                                  |            |                                                                                                             |          |       |
| Bear Meadow Brook                               | MA92-07    | Headwaters in Cedar Swamp, Reading to confluence with Ipswich River, Reading/North Reading.                 | 2.842773 | MILES |
| Beaver Pond                                     | MA92002    | Beverly                                                                                                     | 18.534   | ACRES |
| Black Brook                                     | MA92-19    | Outlet Cutler Pond, Hamilton to confluence with Ipswich River, Hamilton.                                    | 3.62     | MILES |
| Bradford Pond                                   | MA92005    | North Reading                                                                                               | 14.169   | ACRES |
| Creighton Pond                                  | MA92011    | Middleton                                                                                                   | 18.66    | ACRES |
| Eisenhaures Pond                                | MA92016    | North Reading                                                                                               | 11.977   | ACRES |
| Elginwood Pond                                  | MA92017    | Peabody                                                                                                     | 8.502    | ACRES |
| Emerson Brook Reservoir<br>(Forest Street Pond) | MA92021    | Middleton                                                                                                   | 195.429  | ACRES |
| Farnum Street Pond                              | MA92018    | North Andover                                                                                               | 8.609    | ACRES |
| Fourmile Pond                                   | MA92022    | Boxford                                                                                                     | 28.683   | ACRES |



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| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                             | SIZE     | UNITS        |
|-------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|
| Howes Pond              | MA92026    | Boxford                                                                                                                                 | 6.615    | ACRES        |
| Idlewild Brook          | MA92-24    | Outlet of Pleasant Pond, Hamilton to confluence with Ipswich River, Hamilton.                                                           | 0.809    | MILES        |
| Kimballs Pond           | MA92027    | Boxford                                                                                                                                 | 7.468    | ACRES        |
| Long Causeway Brook     | MA92-20    | Headwaters near Boston & Maine Railroad, south of Pigeon Hill, Hamilton to confluence with Miles River, Hamilton/Ipswich.               | 1.896231 | MILES        |
| Longham Reservoir       | MA92030    | Wenham                                                                                                                                  | 34.152   | ACRES        |
| Middleton Pond          | MA92039    | Middleton                                                                                                                               | 128.95   | ACRES        |
| Mile Brook              | MA92-16    | Headwaters, east of North Street, Topsfield to confluence with Ipswich River, Topsfield.                                                | 2.54     | MILES        |
| Nichols Brook           | MA92-25    | Headwaters (near Rowley Hill Street and Route 95 and Newburyport Turnpike) in Danvers, to confluence with the Ipswich River, Middleton. | 2.475    | MILES        |
| Pierces Pond            | MA92048    | Peabody                                                                                                                                 | 2.609    | ACRES        |
| Putnamville Reservoir   | MA92052    | Danvers                                                                                                                                 | 282.517  | ACRES        |
| Salem Street Pond       | MA92076    | North Andover                                                                                                                           | 10.601   | ACRES        |
| Spofford Pond           | MA92060    | Boxford                                                                                                                                 | 28.102   | ACRES        |
| Stearns Pond            | MA92061    | North Andover                                                                                                                           | 42.929   | ACRES        |
| Sudden Pond             | MA92064    | North Andover                                                                                                                           | 5.204    | ACRES        |
| Suntaug Lake            | MA92065    | Lynnfield/Peabody                                                                                                                       | 150.1    | ACRES        |
| Swan Pond               | MA92066    | North Reading                                                                                                                           | 42.036   | ACRES        |
| Towne Pond              | MA92068    | Boxford/North Andover                                                                                                                   | 23.362   | ACRES        |
| Unnamed Tributary       | MA92-09    | Outlet of Eisenhaures Pond, North Reading to confluence with Ipswich River, North Reading.                                              | 1.387    | MILES        |
| Upper Boston Brook Pond | MA92070    | Middleton                                                                                                                               | 7.054    | ACRES        |
| Winona Pond             | MA92077    | Peabody                                                                                                                                 | 91.393   | ACRES        |
| <b>Islands</b>          |            |                                                                                                                                         |          |              |
| Oyster Pond             | MA97-13    | Including Ripley Cove, Edgartown, Martha's Vineyard.                                                                                    | 0.293    | SQUARE MILES |
| <b>Merrimack</b>        |            |                                                                                                                                         |          |              |
| Bailey Pond             | MA84003    | Amesbury                                                                                                                                | 13       | ACRES        |
| Beaver Brook            | MA84B-05   | Headwaters, outlet of "Wolf Swamp", Boxborough to inlet of Mill Pond, Littleton.                                                        | 5.5      | MILES        |
| Mill Pond               | MA84039    | West Newbury                                                                                                                            | 18       | ACRES        |
| Uptons Pond             | MA84075    | Tyngsborough                                                                                                                            | 6        | ACRES        |
| <b>Millers</b>          |            |                                                                                                                                         |          |              |
| Bassett Pond            | MA35002    | New Salem                                                                                                                               | 26.012   | ACRES        |
| Beaver Flowage Pond     | MA35005    | (Beaver Pond) Royalston                                                                                                                 | 38.034   | ACRES        |
| Bents Pond              | MA35006    | Hubbardston                                                                                                                             | 28.747   | ACRES        |
| Bowens Pond             | MA35009    | Wendell                                                                                                                                 | 16.774   | ACRES        |
| Cowee Pond              | MA35013    | Gardner                                                                                                                                 | 18.263   | ACRES        |
| Crystal Lake            | MA35014    | Gardner                                                                                                                                 | 142.259  | ACRES        |





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| NAME                          | SEGMENT ID | DESCRIPTION                                                             | SIZE    | UNITS |
|-------------------------------|------------|-------------------------------------------------------------------------|---------|-------|
| Davenport Pond                | MA35015    | Petersham/Athol                                                         | 30.42   | ACRES |
| East Templeton Pond           | MA35022    | Templeton                                                               | 8.891   | ACRES |
| Greenwood Pond                | MA35025    | Westminster                                                             | 26.984  | ACRES |
| Hastings Pond                 | MA35028    | Warwick                                                                 | 18.311  | ACRES |
| Kendall Pond                  | MA35034    | Gardner                                                                 | 21.907  | ACRES |
| Lake Watatic                  | MA35095    | Ashburnham                                                              | 133.102 | ACRES |
| Little Pond                   | MA35037    | Royalston                                                               | 9.977   | ACRES |
| Lower Naukeag Lake            | MA35041    | Ashburnham                                                              | 295.481 | ACRES |
| Millers River                 | MA35-20    | Outlet of Sunset Lake, Ashburnham to inlet of Whitney Pond, Winchendon. | 6.362   | MILES |
| Minott Pond                   | MA35046    | Westminster                                                             | 8.439   | ACRES |
| Minott Pond South             | MA35045    | Westminster                                                             | 27.319  | ACRES |
| North Spectacle Pond          | MA35052    | New Salem                                                               | 42.893  | ACRES |
| Packard Pond                  | MA35053    | Orange                                                                  | 43.116  | ACRES |
| Partridgeville Pond           | MA35057    | Templeton                                                               | 37.685  | ACRES |
| Perley Brook Reservoir        | MA35059    | Gardner                                                                 | 54.682  | ACRES |
| Phillipston Reservoir         | MA35060    | Phillipston/Athol                                                       | 19.931  | ACRES |
| Reservoir No. 2               | MA35064    | Phillipston/Athol (Secret Lake)                                         | 48.32   | ACRES |
| Riceville Pond                | MA35065    | Athol/Petersham                                                         | 61.372  | ACRES |
| Richards Reservoir            | MA35067    | Warwick                                                                 | 21.202  | ACRES |
| Royalston Road Pond           | MA35071    | Orange                                                                  | 5.306   | ACRES |
| Sheomet Lake                  | MA35074    | Warwick                                                                 | 30.583  | ACRES |
| South Spectacle Pond          | MA35081    | New Salem                                                               | 37.892  | ACRES |
| Sportsmans Pond               | MA35082    | Athol                                                                   | 92.724  | ACRES |
| Sunset Lake                   | MA35086    | Ashburnham/Winchendon                                                   | 274.257 | ACRES |
| Tully Lake                    | MA35111    | Royalston/Athol                                                         | 213.679 | ACRES |
| Tully Pond                    | MA35089    | Orange                                                                  | 70.152  | ACRES |
| Wallace Pond                  | MA35092    | Ashburnham                                                              | 46.086  | ACRES |
| Ward Pond                     | MA35093    | Athol                                                                   | 5.899   | ACRES |
| Wheelers Pond                 | MA35097    | Warwick                                                                 | 28.286  | ACRES |
| Wickett Pond                  | MA35102    | Wendell                                                                 | 29.931  | ACRES |
| Wrights Reservoir             | MA35104    | Gardner/Westminster                                                     | 130.848 | ACRES |
| <b>Mount Hope Bay (Shore)</b> |            |                                                                         |         |       |
| Cook Pond                     | MA61001    | Fall River, MA/Tiverton, RI                                             | 157     | ACRES |
| South Watuppa Pond            | MA61006    | Fall River/Westport                                                     | 1473    | ACRES |



## Massachusetts Category 3 Waters "No uses assessed"

| NAME                            | SEGMENT ID | DESCRIPTION                                                                                                                                                                                   | SIZE | UNITS |
|---------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| <b>Narragansett Bay (Shore)</b> |            |                                                                                                                                                                                               |      |       |
| Bad Luck Brook                  | MA53-11    | Headwaters, outlet Warren Upper Reservoir, Rehoboth to confluence with East Branch Palmer River, Rehoboth                                                                                     | 1.7  | MILES |
| Beaverdam Brook                 | MA53-10    | Headwaters, southeast of Chestnut Street, Rehoboth to confluence with Palmer River, Rehoboth                                                                                                  | 2.9  | MILES |
| East Branch Palmer River        | MA53-08    | Headwaters, near Stevens Corner Cemetery, Rehoboth to confluence with West Branch Palmer River (forming Palmer River), Rehoboth                                                               | 7.2  | MILES |
| Fullers Brook                   | MA53-12    | Headwaters in wetland north of Jacobs Street, Seekonk to confluence with Palmer River, Rehoboth                                                                                               | 1.7  | MILES |
| Oak Swamp Brook                 | MA53-15    | Headwaters in Oak Swamp east of School Street, Rehoboth to confluence with Rocky Run, Rehoboth                                                                                                | 3    | MILES |
| Rumney Marsh Brook              | MA53-09    | Headwaters, east of Locust Avenue, Rehoboth to confluence with Beaverdam Brook, Rehoboth                                                                                                      | 1.3  | MILES |
| Torrey Creek                    | MA53-14    | Headwaters in wetland east of Benson Avenue, Seekonk to Barney Avenue, Rehoboth (includes culverted section near Seekonk Speedway, Seekonk)                                                   | 2.1  | MILES |
| West Branch Palmer River        | MA53-07    | From confluence of Bliss Brook, Rehoboth to confluence with East Branch Palmer River (forming Palmer River), Rehoboth                                                                         | 3.8  | MILES |
| <b>Nashua</b>                   |            |                                                                                                                                                                                               |      |       |
| Ashby Reservoir                 | MA81001    | Ashby                                                                                                                                                                                         | 36   | ACRES |
| Asnebumskit Pond                | MA81002    | Paxton                                                                                                                                                                                        | 43   | ACRES |
| Baker Brook                     | MA81-62    | From headwaters at confluence of Pearl Hill and Falulah brooks, Fitchburg to confluence with North Nashua River, Fitchburg                                                                    | 2.5  | MILES |
| Barrett Pond                    | MA81162    | Leominster                                                                                                                                                                                    | 7    | ACRES |
| Bartlett Pond                   | MA81009    | Leominster                                                                                                                                                                                    | 23   | ACRES |
| Bixby Reservoir                 | MA81010    | Townsend                                                                                                                                                                                      | 21   | ACRES |
| Coachlace Pond                  | MA81019    | Clinton                                                                                                                                                                                       | 31   | ACRES |
| Coon Tree Pond                  | MA81168    | Pepperell                                                                                                                                                                                     | 29   | ACRES |
| Crocker Pond                    | MA81025    | Westminster                                                                                                                                                                                   | 101  | ACRES |
| East Waushacum Pond             | MA81035    | Sterling                                                                                                                                                                                      | 182  | ACRES |
| Fall Brook                      | MA81-38    | From the outlet of Fall Brook Reservoir, Leominster to the inlet of Lake Samoset, Leominster (formerly part of segment MA81-14).                                                              | 1.3  | MILES |
| Fall Brook Reservoir            | MA81038    | Leominster                                                                                                                                                                                    | 88   | ACRES |
| FALULAH BROOK                   | MA81-63    | Headwaters near Ringe Road, Ashby to confluence with Pearl Hill Brook, forming headwaters Baker Brook, Fitchburg (excluding approximately 0.6 miles through Lovell Reservoir segment MA81074) | 6    | MILES |
| Fitchburg Reservoir             | MA81043    | Ashby                                                                                                                                                                                         | 150  | ACRES |
| Haynes Reservoir                | MA81055    | Leominster                                                                                                                                                                                    | 56   | ACRES |
| Heald Pond                      | MA81056    | Pepperell                                                                                                                                                                                     | 28   | ACRES |
| Hy-Crest Pond                   | MA81060    | Sterling                                                                                                                                                                                      | 104  | ACRES |
| Kendall Reservoir               | MA81062    | Holden                                                                                                                                                                                        | 179  | ACRES |
| Lancaster Millpond              | MA81065    | Clinton                                                                                                                                                                                       | 21   | ACRES |
| Lincoln Pond                    | MA81070    | Ashburnham                                                                                                                                                                                    | 31   | ACRES |
| Long Pond                       | MA81073    | Ayer/Groton                                                                                                                                                                                   | 46   | ACRES |



## Massachusetts Category 3 Waters "No uses assessed"

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                     | SIZE    | UNITS |
|------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| Lovell Reservoir       | MA81074    | Fitchburg                                                                                                                       | 35      | ACRES |
| Lower Crow Hill Pond   | MA81026    | Princeton/Westminster                                                                                                           | 14      | ACRES |
| Maple Spring Pond      | MA81077    | Holden                                                                                                                          | 39      | ACRES |
| Massapoag Pond         | MA81080    | Lunenburg                                                                                                                       | 64      | ACRES |
| Meetinghouse Pond      | MA81083    | Westminster                                                                                                                     | 151     | ACRES |
| Mirror Lake            | MA81084    | Fitchburg                                                                                                                       | 6       | ACRES |
| Morse Reservoir        | MA81086    | Leominster                                                                                                                      | 15      | ACRES |
| Mulpus Brook           | MA81-36    | Headwaters, north of Howard Street, Lunenburg to the inlet of Hickory Hills Lake, Lunenburg (formerly part of segment MA81-22). | 3.8     | MILES |
| Muschopauge Pond       | MA81089    | Rutland                                                                                                                         | 61      | ACRES |
| Notown Reservoir       | MA81092    | Leominster                                                                                                                      | 240     | ACRES |
| Pine Hill Reservoir    | MA81102    | Paxton/Holden/Rutland                                                                                                           | 336     | ACRES |
| Quinapoxet Reservoir   | MA81108    | Holden/Princeton                                                                                                                | 266     | ACRES |
| Round Meadow Pond      | MA81114    | Westminster                                                                                                                     | 54      | ACRES |
| Sandy Pond             | MA81117    | Ayer                                                                                                                            | 69      | ACRES |
| Scott Reservoir        | MA81119    | Fitchburg                                                                                                                       | 33      | ACRES |
| Snows Millpond         | MA81127    | Fitchburg/Westminster                                                                                                           | 38      | ACRES |
| South Meadow Pond      | MA81129    | [East Basin] Clinton                                                                                                            | 37      | ACRES |
| South Meadow Pond      | MA81165    | [West Basin] Clinton/Lancaster                                                                                                  | 34      | ACRES |
| Spectacle Pond         | MA81132    | Lancaster                                                                                                                       | 61      | ACRES |
| Still River            | MA81-15    | From Route 117, Bolton to confluence with Nashua River, Harvard/Lancaster.                                                      | 2.7     | MILES |
| Streeter Pond          | MA81136    | Paxton/Holden                                                                                                                   | 18      | ACRES |
| The Quag               | MA81170    | Sterling                                                                                                                        | 32      | ACRES |
| Upper Crow Hill Pond   | MA81169    | Westminster                                                                                                                     | 5       | ACRES |
| Vinton Pond            | MA81145    | Townsend                                                                                                                        | 16      | ACRES |
| Wachusett Lake         | MA81146    | Westminster/Princeton                                                                                                           | 129     | ACRES |
| West Waushacum Pond    | MA81153    | Sterling                                                                                                                        | 111     | ACRES |
| Whitmanville Reservoir | MA81109    | Westminster/Ashburnham                                                                                                          | 107     | ACRES |
| Winnekeag Lake         | MA81157    | Ashburnham                                                                                                                      | 112     | ACRES |
| Wright Pond            | MA81159    | [West Basin] Ashby                                                                                                              | 21      | ACRES |
| <b>North Coastal</b>   |            |                                                                                                                                 |         |       |
| Alewife Brook          | MA93-26    | Headwaters just north of B&M Railroad, Rockport to inlet Babson Reservoir, Gloucester.                                          | 0.972   | MILES |
| Babson Reservoir       | MA93001    | Gloucester                                                                                                                      | 39.661  | ACRES |
| Birch Pond             | MA93004    | Saugus/Lynn                                                                                                                     | 80.386  | ACRES |
| Breeds Pond            | MA93006    | Lynn                                                                                                                            | 195.228 | ACRES |
| Browns Pond            | MA93008    | Peabody                                                                                                                         | 24.491  | ACRES |



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| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                    | SIZE    | UNITS |
|----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| Buswell Pond         | MA93009    | Gloucester                                                                                                                                                     | 4.413   | ACRES |
| Crystal Lake         | MA93018    | Wakefield/Stoneham                                                                                                                                             | 81.966  | ACRES |
| Fernwood Lake        | MA93022    | Gloucester                                                                                                                                                     | 25.379  | ACRES |
| Goose Cove Reservoir | MA93093    | Gloucester                                                                                                                                                     | 57.664  | ACRES |
| Gravelly Pond        | MA93028    | Hamilton                                                                                                                                                       | 49.738  | ACRES |
| Haskell Pond         | MA93031    | Gloucester                                                                                                                                                     | 58.332  | ACRES |
| Lower Pond           | MA93044    | Saugus                                                                                                                                                         | 21.166  | ACRES |
| Mill Pond            | MA93050    | Gloucester                                                                                                                                                     | 17.602  | ACRES |
| Niles Pond           | MA93052    | Gloucester                                                                                                                                                     | 34.415  | ACRES |
| Quarry Reservoir     | MA93053    | Rockport                                                                                                                                                       | 7.44    | ACRES |
| Round Pond           | MA93063    | Hamilton                                                                                                                                                       | 37.51   | ACRES |
| Rum Rock Lake        | MA93064    | Rockport                                                                                                                                                       | 9.62    | ACRES |
| Spring Pond          | MA93073    | [South Basin] Peabody/Lynn/Salem                                                                                                                               | 66.216  | ACRES |
| Spring Pond          | MA93074    | [North Basin] Peabody                                                                                                                                          | 16.586  | ACRES |
| Unnamed Tributary    | MA93-27    | Outlet Babson Reservoir, Gloucester to inlet Mill Pond, Gloucester.                                                                                            | 0.745   | MILES |
| Upper Pond           | MA93083    | Saugus                                                                                                                                                         | 12.707  | ACRES |
| Walden Pond          | MA93084    | Lynn/Saugus/Lynnfield                                                                                                                                          | 223.113 | ACRES |
| Wallace Pond         | MA93085    | Gloucester                                                                                                                                                     | 21.725  | ACRES |
| <b>Parker</b>        |            |                                                                                                                                                                |         |       |
| Bull Brook           | MA91-04    | Headwaters, Ipswich to inlet Bull Brook Reservoir, Ipswich.                                                                                                    | 1.4     | MILES |
| Bull Brook Reservoir | MA91002    | Ipswich                                                                                                                                                        | 7       | ACRES |
| Central Street Pond  | MA91003    | Rowley                                                                                                                                                         | 3       | ACRES |
| Crane Pond           | MA91004    | Groveland                                                                                                                                                      | 22      | ACRES |
| Dow Brook Reservoir  | MA91005    | Ipswich                                                                                                                                                        | 16      | ACRES |
| Egypt River          | MA91-13    | Outlet Bull Brook Reservoir, Ipswich to east of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich.                                        | 1.1     | MILES |
| Jackman Brook        | MA91-07    | Northeast of intersection of Jewett and Tenney streets, Georgetown to confluence with Wheeler Brook, Georgetown.                                               | 0.8     | MILES |
| Little Crane Pond    | MA91007    | West Newbury                                                                                                                                                   | 4       | ACRES |
| Ox Pasture Brook     | MA91-10    | Headwaters - Outlet of small unnamed impoundment east of Bradford Street, Rowley to the outlet of a small unnamed impoundment west of Ox Pasture Hill, Rowley. | 2.5     | MILES |
| Quills Pond          | MA91011    | Newbury                                                                                                                                                        | 2       | ACRES |
| Sperrys Pond         | MA91013    | Boxford                                                                                                                                                        | 26      | ACRES |
| Wilson Pond          | MA91017    | Rowley                                                                                                                                                         | 5       | ACRES |
| <b>Quinebaug</b>     |            |                                                                                                                                                                |         |       |
| Lake George          | MA41016    | Wales                                                                                                                                                          | 93      | ACRES |
| Leadmine Pond        | MA41027    | Sturbridge                                                                                                                                                     | 52      | ACRES |



## Massachusetts Category 3 Waters "No uses assessed"

| NAME                        | SEGMENT ID | DESCRIPTION                                                                                                                                                                                  | SIZE    | UNITS |
|-----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| Little Alum Pond            | MA41029    | Brimfield                                                                                                                                                                                    | 73      | ACRES |
| McIntyre Pond               | MA41031    | Charlton                                                                                                                                                                                     | 11      | ACRES |
| Monson Road Pond            | MA41059    | Wales                                                                                                                                                                                        | 4       | ACRES |
| New Boston Road Pond        | MA41035    | Sturbridge                                                                                                                                                                                   | 13      | ACRES |
| No. 3 Reservoir             | MA41038    | Southbridge                                                                                                                                                                                  | 24      | ACRES |
| No. 4 Reservoir             | MA41039    | Southbridge                                                                                                                                                                                  | 69      | ACRES |
| No. 5 Reservoir             | MA41040    | Southbridge                                                                                                                                                                                  | 30      | ACRES |
| Prindle Lake                | MA41043    | Charlton                                                                                                                                                                                     | 75      | ACRES |
| Wales Brook                 | MA41-08    | Headwaters, outlet Lake George, Wales to confluence with Mill Brook, Brimfield.                                                                                                              | 5.2     | MILES |
| <b>Shawsheen</b>            |            |                                                                                                                                                                                              |         |       |
| Bakers Meadow Pond          | MA83002    | Andover                                                                                                                                                                                      | 21.188  | ACRES |
| Fawn Lake                   | MA83004    | Bedford                                                                                                                                                                                      | 11.825  | ACRES |
| Hussey Brook Pond           | MA83008    | Andover                                                                                                                                                                                      | 0.539   | ACRES |
| Pond Street Pond            | MA83021    | Billerica (unnamed pond west of Pond Street)                                                                                                                                                 | 3.56    | ACRES |
| Richardson Pond North       | MA83020    | Billerica/Tewksbury (Richardson Pond North)                                                                                                                                                  | 45.78   | ACRES |
| Round Pond                  | MA83018    | Tewksbury                                                                                                                                                                                    | 24.92   | ACRES |
| Unnamed Tributary           | MA83-21    | Unnamed intermittent tributary to the Shawsheen River locally known as 'Sutton Brook', from headwaters north of Research Drive, Wilmington to confluence with the Shawsheen River, Tewksbury | 3       | MILES |
| <b>South Coastal</b>        |            |                                                                                                                                                                                              |         |       |
| Arnold School Pond          | MA94004    | Pembroke                                                                                                                                                                                     | 11.635  | ACRES |
| Bartlett Pond               | MA94005    | Plymouth                                                                                                                                                                                     | 33.268  | ACRES |
| Bloody Pond                 | MA94015    | Plymouth                                                                                                                                                                                     | 100.726 | ACRES |
| Boot Pond                   | MA94016    | Plymouth                                                                                                                                                                                     | 68.836  | ACRES |
| Bound Brook Pond            | MA94017    | Norwell                                                                                                                                                                                      | 20.861  | ACRES |
| Governor Winslow House Pond | MA94047    | Marshfield                                                                                                                                                                                   | 22.939  | ACRES |
| Great Sandy Bottom Pond     | MA94053    | Pembroke                                                                                                                                                                                     | 103.094 | ACRES |
| Gunners Exchange Pond       | MA94055    | Plymouth                                                                                                                                                                                     | 26.118  | ACRES |
| Harrobs Corner Bog Pond     | MA94061    | Plympton                                                                                                                                                                                     | 20.054  | ACRES |
| Hoyts Pond                  | MA94070    | Plymouth                                                                                                                                                                                     | 19.505  | ACRES |
| Indian Head Pond            | MA94071    | Hanson                                                                                                                                                                                       | 119.478 | ACRES |
| Indian Pond                 | MA94072    | Kingston/Plympton                                                                                                                                                                            | 63.795  | ACRES |
| Island Pond                 | MA94074    | [west of the locality of Cedarville] Plymouth                                                                                                                                                | 51.804  | ACRES |
| Island Pond                 | MA94076    | [south of locality of South Pond] Plymouth                                                                                                                                                   | 12.12   | ACRES |
| Keene Pond                  | MA94079    | Duxbury                                                                                                                                                                                      | 10.664  | ACRES |
| Little Herring Pond         | MA94082    | Plymouth                                                                                                                                                                                     | 81.243  | ACRES |



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| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                | SIZE     | UNITS |
|-----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|
| Little South Pond     | MA94087    | Plymouth                                                                                                                                                   | 62.815   | ACRES |
| Lout Pond             | MA94090    | Plymouth                                                                                                                                                   | 17.8     | ACRES |
| Mill Pond             | MA94101    | Duxbury                                                                                                                                                    | 7.022    | ACRES |
| Morey Hole            | MA94102    | Plymouth                                                                                                                                                   | 22.456   | ACRES |
| North Hill Marsh Pond | MA94109    | Duxbury                                                                                                                                                    | 42.959   | ACRES |
| North Triangle Pond   | MA94110    | Plymouth                                                                                                                                                   | 21.773   | ACRES |
| Pine Lake             | MA94120    | Duxbury                                                                                                                                                    | 22.125   | ACRES |
| Pine Street Pond      | MA94121    | Duxbury                                                                                                                                                    | 13.845   | ACRES |
| Round Pond            | MA94131    | Duxbury                                                                                                                                                    | 6.789    | ACRES |
| Russell Pond          | MA94133    | Kingston                                                                                                                                                   | 10.723   | ACRES |
| Shallow Pond          | MA94140    | Plymouth                                                                                                                                                   | 18.861   | ACRES |
| Ship Pond             | MA94142    | Plymouth                                                                                                                                                   | 10.802   | ACRES |
| South River Pond      | MA94148    | Duxbury                                                                                                                                                    | 3.253    | ACRES |
| South Triangle Pond   | MA94149    | Plymouth                                                                                                                                                   | 16.968   | ACRES |
| Triangle Pond         | MA94160    | Plymouth                                                                                                                                                   | 14.192   | ACRES |
| Unnamed Tributary     | MA94-35    | unnamed tributary to the Eel River from outlet of cranberry bog south of Valley Road, Plymouth through Forge Pond, to confluence with Eel River, Plymouth. | 2.365    | MILES |
| West Chandler Pond    | MA94170    | Pembroke                                                                                                                                                   | 9.752    | ACRES |
| Winslow Cemetary Pond | MA94172    | Marshfield                                                                                                                                                 | 6.462    | ACRES |
| Wright Pond           | MA94174    | Duxbury                                                                                                                                                    | 30.384   | ACRES |
| <b>Taunton</b>        |            |                                                                                                                                                            |          |       |
| Assawompset Pond      | MA62003    | Lakeville/Middleborough                                                                                                                                    | 2033.577 | ACRES |
| Barrowsville Pond     | MA62007    | Norton                                                                                                                                                     | 46.658   | ACRES |
| Beaumont Pond         | MA62009    | Foxborough                                                                                                                                                 | 24.266   | ACRES |
| Beaver Brook          | MA62-30    | Source just west of Bay Road, Easton to the inlet Old Pond, Easton.                                                                                        | 1.441    | MILES |
| Blakes Pond           | MA62221    | Mansfield                                                                                                                                                  | 5.974    | ACRES |
| Briggs Pond           | MA62021    | Sharon                                                                                                                                                     | 18.631   | ACRES |
| Carpenter Pond        | MA62032    | Foxborough                                                                                                                                                 | 29.392   | ACRES |
| Chaffin Reservoir     | MA62035    | Pembroke                                                                                                                                                   | 12.729   | ACRES |
| Chartley Pond         | MA62038    | Norton/Attleboro                                                                                                                                           | 67.578   | ACRES |
| Cobb Brook            | MA62-43    | Headwaters south of Dunbar Street (in Crapo Bog), Taunton to confluence with the Taunton River, Taunton.                                                   | 3.521    | MILES |
| Cocasset Lake         | MA62043    | Foxborough                                                                                                                                                 | 32.116   | ACRES |
| Cotley River          | MA62-41    | Headwaters near cranberry bog south off Seekell Street, Taunton (thru Barstows Pond) to the confluence with the Taunton River, Taunton.                    | 5.867    | MILES |
| Coweaset Brook        | MA62-22    | Source, southwest of Route24/Belmont Street interchange, Brockton to confluence with the Hockomock River, West Bridgewater.                                | 3.898    | MILES |



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| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                             | SIZE     | UNITS |
|--------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|
| Cross Pond               | MA62052    | Brockton                                                                                                                                                                                | 1.679    | ACRES |
| Cross Street Pond        | MA62053    | Bridgewater                                                                                                                                                                             | 26.686   | ACRES |
| Elm Street Pond          | MA62066    | Halifax/Hanson                                                                                                                                                                          | 19.146   | ACRES |
| Forge Pond               | MA62072    | Freetown                                                                                                                                                                                | 55.756   | ACRES |
| Forge River              | MA62-37    | Outlet of Kings Pond, Raynham to confluence with Taunton River, Raynham.                                                                                                                | 2.542    | MILES |
| Furnace Lake             | MA62076    | Foxborough                                                                                                                                                                              | 14.916   | ACRES |
| Great Quittacas Pond     | MA62083    | Lakeville/Middleborough/Rochester                                                                                                                                                       | 1124.265 | ACRES |
| Hewitt Pond              | MA62088    | Raynham                                                                                                                                                                                 | 13.642   | ACRES |
| Hockomock River          | MA62-35    | Source, west of Route 24 and north of the Old Railroad Grade, West Bridgewater to confluence with the Town River, Bridgewater.                                                          | 5.06     | MILES |
| Kings Pond               | MA62101    | Raynham                                                                                                                                                                                 | 13.043   | ACRES |
| Leach Pond               | MA62103    | Easton/Sharon                                                                                                                                                                           | 110.709  | ACRES |
| Little Cedar Swamp       | MA62106    | Easton                                                                                                                                                                                  | 90.898   | ACRES |
| Little Quittacas Pond    | MA62107    | Lakeville/Rochester                                                                                                                                                                     | 294.78   | ACRES |
| Meadow Brook Pond        | MA62113    | Norton                                                                                                                                                                                  | 13.322   | ACRES |
| Mill River               | MA62-29    | Outlet Whittenton Impoundment, Taunton to the confluence with Taunton River, Taunton.                                                                                                   | 3.386    | MILES |
| Muddy Cove Brook         | MA62-52    | Source south of Hart Street, Dighton through Muddy Cove Brook Pond to the outlet of small impoundment behind 333 Main Street (Zeneca Inc.), Dighton (formerly part of segment MA62-23). | 1.969    | MILES |
| Muddy Pond               | MA62126    | Halifax                                                                                                                                                                                 | 12.999   | ACRES |
| Muddy Pond               | MA62233    | Kingston (formerly reported as MA94104).                                                                                                                                                | 41.422   | ACRES |
| Mulberry Meadow Brook    | MA62-31    | Outlet New Pond, Easton to inlet of Winnecunnet Pond, Norton.                                                                                                                           | 4.536    | MILES |
| Mullein Hill Chapel Pond | MA62127    | Lakeville                                                                                                                                                                               | 23.07    | ACRES |
| North Center Street Pond | MA62132    | Carver                                                                                                                                                                                  | 11.812   | ACRES |
| Oakland Pond             | MA62136    | Taunton                                                                                                                                                                                 | 37.618   | ACRES |
| Plymouth Street Pond     | MA62141    | Halifax/E. Bridgewater                                                                                                                                                                  | 165.015  | ACRES |
| Pocksha Pond             | MA62145    | Lakeville/Middleborough                                                                                                                                                                 | 592.317  | ACRES |
| Poor Meadow Brook        | MA62-34    | From a wetland near County Street, Hanson to the confluence with the Satucket River, East Bridgewater.                                                                                  | 6.903    | MILES |
| Poquoy Pond              | MA62147    | Lakeville                                                                                                                                                                               | 9.899    | ACRES |
| Prospect Hill Pond       | MA62149    | Taunton                                                                                                                                                                                 | 41.89    | ACRES |
| Puds Pond                | MA62151    | Sharon/Easton                                                                                                                                                                           | 22.642   | ACRES |
| Queset Brook             | MA62-21    | From the outlet of Ames Long Pond, Easton to the confluence with Coweeset Brook, West Bridgewater.                                                                                      | 5.113    | MILES |
| Reservoir                | MA62157    | Hanson                                                                                                                                                                                  | 13.195   | ACRES |
| Reservoir                | MA62158    | Easton                                                                                                                                                                                  | 26.913   | ACRES |
| Robbins Pond             | MA62162    | East Bridgewater                                                                                                                                                                        | 123.732  | ACRES |
| Robinson Pond            | MA62163    | Mansfield                                                                                                                                                                               | 8.855    | ACRES |



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| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                            | SIZE     | UNITS |
|---------------------------|------------|------------------------------------------------------------------------------------------------------------------------|----------|-------|
| Route One Pond, West      | MA62165    | Wrentham                                                                                                               | 9.876    | ACRES |
| Sawmill Brook             | MA62-36    | Outlet of Ice Pond, Bridgewater to confluence with Taunton River, Bridgewater.                                         | 1.905    | MILES |
| Segreganset River Ponds   | MA62169    | Taunton                                                                                                                | 13.729   | ACRES |
| Snake River               | MA62-28    | Outlet of Winnecunnet Pond, Norton to inlet of Lake Sabbatia, Taunton.                                                 | 3.271    | MILES |
| Sunset Lake               | MA62184    | Foxborough                                                                                                             | 13.526   | ACRES |
| The Reservoir             | MA62189    | Lakeville                                                                                                              | 22.952   | ACRES |
| Thurston Street Pond      | MA62192    | Wrentham                                                                                                               | 6.592    | ACRES |
| Town River                | MA62-11    | Outlet of Lake Nippenicket, Bridgewater to Route 28 bridge, West Bridgewater.                                          | 4.474    | MILES |
| Town River                | MA62-12    | Route 28 bridge, West Bridgewater to Bridgewater WWTP discharge, Bridgewater.                                          | 3.842    | MILES |
| Town River                | MA62-13    | Bridgewater WWTP discharge, Bridgewater to confluence with Matfield River forming the Taunton River, Bridgewater.      | 2.356    | MILES |
| Upper Leach Pond          | MA62123    | (Mountain Street Pond) Sharon                                                                                          | 27.881   | ACRES |
| Ward Pond                 | MA62203    | Easton                                                                                                                 | 5.565    | ACRES |
| Whiteville Pond           | MA62211    | Mansfield                                                                                                              | 14.418   | ACRES |
| Wolomolopoag Pond         | MA62216    | Sharon                                                                                                                 | 12.517   | ACRES |
| <b>Ten Mile</b>           |            |                                                                                                                        |          |       |
| Greenwood Lake            | MA52017    | Mansfield/N. Attleborough                                                                                              | 96.64    | ACRES |
| Hoppin Hill Reservoir     | MA52021    | North Attleborough                                                                                                     | 22.446   | ACRES |
| Manchester Pond Reservoir | MA52026    | Attleboro                                                                                                              | 237.347  | ACRES |
| <b>Westfield</b>          |            |                                                                                                                        |          |       |
| Ashley Cutoff             | MA32001    | Holyoke                                                                                                                | 30.738   | ACRES |
| Ashley Pond               | MA32002    | Holyoke                                                                                                                | 132.604  | ACRES |
| Borden Brook Reservoir    | MA32011    | Granville/Blandford                                                                                                    | 210.832  | ACRES |
| Clear Pond                | MA32077    | Holyoke                                                                                                                | 9.772    | ACRES |
| Cobble Mountain Reservoir | MA32018    | Blandford/Granville/Russell                                                                                            | 1033.76  | ACRES |
| Connor Reservoir          | MA32024    | Holyoke                                                                                                                | 17.05    | ACRES |
| Cooley Lake               | MA32026    | Granville                                                                                                              | 66.304   | ACRES |
| Crooked Pond              | MA32028    | Plainfield                                                                                                             | 33.696   | ACRES |
| Damon Pond                | MA32029    | Chesterfield/Goshen                                                                                                    | 77.573   | ACRES |
| Garnet Lake               | MA32037    | Peru                                                                                                                   | 17.484   | ACRES |
| Glendale Brook            | MA32-10    | From headwaters in a wetland in Peru State Forest, Peru to confluence with Middle Branch Westfield River, Middlefield. | 6.048302 | MILES |
| Granville Reservoir       | MA32038    | Granville                                                                                                              | 73.81    | ACRES |
| Hammond Pond              | MA32040    | Goshen                                                                                                                 | 37.951   | ACRES |
| Littleville Lake          | MA32046    | Chester/Huntington                                                                                                     | 251.557  | ACRES |
| McLean Reservoir          | MA32050    | Holyoke                                                                                                                | 55.154   | ACRES |





## Massachusetts Category 3 Waters "No uses assessed"

| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                        | SIZE     | UNITS |
|-------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|
| Meadow Brook                  | MA32-11    | Outlet of unnamed pond in Plainfield, south of Route 116, to confluence with Westfield River, Cummington.                                                                                                                                                                                                          | 4.567083 | MILES |
| Middle Branch Westfield River | MA32-03    | Littleville Dam, Chester/Huntington to confluence with Westfield River, Huntington.                                                                                                                                                                                                                                | 1.091059 | MILES |
| North Railroad Pond           | MA32053    | Holyoke                                                                                                                                                                                                                                                                                                            | 9.125    | ACRES |
| Norwich Pond                  | MA32054    | Huntington                                                                                                                                                                                                                                                                                                         | 116.015  | ACRES |
| Paucatuck Brook               | MA32-29    | From outlet of Bearhole Reservoir, West Springfield to confluence with Westfield River, West Springfield.                                                                                                                                                                                                          | 1.475756 | MILES |
| Robin Hood Lake               | MA32057    | Becket                                                                                                                                                                                                                                                                                                             | 63.634   | ACRES |
| Rudd Pond                     | MA32060    | Becket                                                                                                                                                                                                                                                                                                             | 71.857   | ACRES |
| Scout Pond                    | MA32063    | Chesterfield                                                                                                                                                                                                                                                                                                       | 36.779   | ACRES |
| West Falls Branch             | MA32-13    | Headwaters at confluence of Bronson Brook and an unnamed tributary near the intersection of Dingle Road and Route 143, Worthington to confluence with Westfield River near the village of West Chesterfield, Chesterfield. (formerly identified by the Massachusetts Stream Classification Program as West Branch) | 2.791    | MILES |
| Westfield Reservoir           | MA32074    | Montgomery                                                                                                                                                                                                                                                                                                         | 40.049   | ACRES |
| Westfield River               | MA32-06    | Route 20 bridge, Westfield to Westfield city boundary with West Springfield and Agawam.                                                                                                                                                                                                                            | 1.911025 | MILES |
| Wright Pond                   | MA32078    | Holyoke                                                                                                                                                                                                                                                                                                            | 28.124   | ACRES |
| Yokum Pond                    | MA32079    | Becket                                                                                                                                                                                                                                                                                                             | 97.745   | ACRES |



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## Massachusetts Category 4a Waters "TMDL is completed"

| NAME              | SEGMENT ID | DESCRIPTION                                | SIZE | UNITS | POLLUTANTS ADDRESSED BY TMDL                     | EPA TMDL NUMBER |
|-------------------|------------|--------------------------------------------|------|-------|--------------------------------------------------|-----------------|
| <b>Blackstone</b> |            |                                            |      |       |                                                  |                 |
| Brierly Pond      | MA51010    | Millbury                                   | 18   | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Aquatic Plants (Macrophytes)                     | 175             |
| Dorothy Pond      | MA51039    | Millbury                                   | 133  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                   |            |                                            |      |       | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Turbidity                                        | 379             |
| Eddy Pond         | MA51043    | Auburn                                     | 99   | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Aquatic Plants (Macrophytes)                     | 2382            |
| Flint Pond        | MA51050    | [North Basin] Shrewsbury                   | 92   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                   |            |                                            |      |       | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Aquatic Plants (Macrophytes)                     | 444             |
|                   |            |                                            |      |       | Turbidity                                        | 444             |
| Flint Pond        | MA51188    | [South Basin] Shrewsbury/Grafton/Worcester | 173  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                   |            |                                            |      |       | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Aquatic Plants (Macrophytes)                     | 444             |
| Green Hill Pond   | MA51056    | Worcester                                  | 29   | ACRES | Turbidity                                        | 498             |
| Howe Reservoirs   | MA51071    | [West Basin] Millbury                      | 7    | ACRES | Aquatic Plants (Macrophytes)                     | 550             |
| Indian Lake       | MA51073    | Worcester                                  | 186  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                   |            |                                            |      |       | Aquatic Plants (Macrophytes)                     | 2323            |
|                   |            |                                            |      |       | Oxygen, Dissolved                                | 2323            |
| Jordan Pond       | MA51078    | Shrewsbury                                 | 18   | ACRES | Turbidity                                        | 2385            |
| Lake Quinsigamond | MA51125    | Shrewsbury/Worcester                       | 471  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                   |            |                                            |      |       | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Excess Algal Growth                              | 644             |
|                   |            |                                            |      |       | Oxygen, Dissolved                                | 644             |
| Leesville Pond    | MA51087    | Auburn/Worcester                           | 34   | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Oxygen, Dissolved                                | 671             |
|                   |            |                                            |      |       | Phosphorus (Total)                               | 671             |
| Mill Pond         | MA51105    | Shrewsbury                                 | 12   | ACRES | Turbidity                                        | 804             |
| Newton Pond       | MA51110    | Shrewsbury/Boylston                        | 54   | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                            |      |       | Aquatic Plants (Macrophytes)                     | 862             |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                           | SEGMENT ID | DESCRIPTION                                                                                                                     | SIZE     | UNITS        | POLLUTANTS ADDRESSED BY TMDL                     | EPA TMDL NUMBER |
|--------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------|----------|--------------|--------------------------------------------------|-----------------|
| Pondville Pond                 | MA51120    | Auburn/Millbury                                                                                                                 | 36       | ACRES        | (Non-Native Aquatic Plants*)                     |                 |
|                                |            |                                                                                                                                 |          |              | Excess Algal Growth                              | 938             |
| Shirley Street Pond            | MA51196    | Shrewsbury                                                                                                                      | 19       | ACRES        | Aquatic Plants (Macrophytes)                     | 2392            |
| Southwick Pond                 | MA51157    | Leicester/Paxton                                                                                                                | 42       | ACRES        | Aquatic Plants (Macrophytes)                     | 2390            |
| Waite Pond                     | MA51170    | Leicester                                                                                                                       | 48       | ACRES        | Mercury in Fish Tissue                           | 33880           |
| <b>Boston Harbor: Neponset</b> |            |                                                                                                                                 |          |              |                                                  |                 |
| Massapoag Lake                 | MA73030    | Sharon                                                                                                                          | 389      | ACRES        | (Non-Native Aquatic Plants*)                     |                 |
|                                |            |                                                                                                                                 |          |              | Mercury in Fish Tissue                           | 33880           |
| Pecunit Brook                  | MA73-25    | Headwaters east of Carey Circle and west of Pecunit Street, Canton to the confluence with Neponset River, Canton.               | 1.8      | MILES        | Escherichia coli                                 | 54842           |
| Pettee Pond                    | MA73036    | Walpole/Westwood                                                                                                                | 10       | ACRES        | Mercury in Fish Tissue                           | 42408           |
| Ponkapoag Pond                 | MA73043    | Canton/Randolph                                                                                                                 | 214      | ACRES        | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                                |            |                                                                                                                                 |          |              | (Non-Native Aquatic Plants*)                     |                 |
|                                |            |                                                                                                                                 |          |              | Mercury in Fish Tissue                           | 42409           |
| Ponkapog Brook                 | MA73-27    | Outlet of Ponkapoag Pond, Canton to confluence with Neponset River, Canton.                                                     | 3.1      | MILES        | Escherichia coli                                 | 2592            |
|                                |            |                                                                                                                                 |          |              | Fecal Coliform                                   | 2592            |
| Purgatory Brook                | MA73-24    | Headwaters east of Farm Lane, Westwood to confluence with Neponset River, Norwood.                                              | 5.1      | MILES        | Escherichia coli                                 | 2592            |
|                                |            |                                                                                                                                 |          |              | Fecal Coliform                                   | 2592            |
| Reservoir Pond                 | MA73048    | Canton                                                                                                                          | 251      | ACRES        | (Non-Native Aquatic Plants*)                     |                 |
|                                |            |                                                                                                                                 |          |              | Mercury in Fish Tissue                           | 42400           |
| School Meadow Brook            | MA73-06    | Outlet of Ganawatte Farm Pond, Walpole to confluence with Neponset River, Walpole.                                              | 1.9      | MILES        | Fecal Coliform                                   | 2592            |
| Traphole Brook                 | MA73-17    | Headwaters west of Everett Street, Sharon, to confluence with Neponset River, Sharon.                                           | 3.9      | MILES        | Fecal Coliform                                   | 2592            |
| Unnamed Tributary              | MA73-31    | Outlet of Massapoag Lake, Sharon to inlet of Hammer Shop Pond, Sharon.                                                          | 0.3      | MILES        | Fecal Coliform                                   | 2592            |
| Willet Pond                    | MA73062    | Walpole/Westwood/Norwood (includes unnamed tributary formerly reported as segment MA73-13)                                      | 205      | ACRES        | Mercury in Fish Tissue                           | 33880           |
| <b>Buzzards Bay</b>            |            |                                                                                                                                 |          |              |                                                  |                 |
| Back River                     | MA95-47    | Outlet of small unnamed pond downstream from Mill Pond, Bourne to confluence with Phinneys Harbor (excluding Eel Pond), Bourne. | 0.083903 | SQUARE MILES | Fecal Coliform                                   | 36172           |
| Bread and Cheese Brook         | MA95-58    | Headwaters north of Old Bedford Road, Westport to confluence with East Branch Westport River, Westport.                         | 4.945    | MILES        | Fecal Coliform                                   | 36170           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                | SIZE     | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|----------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|------------------------------|-----------------|
| Broad Marsh River          | MA95-49    | Headwaters in salt marsh south of Marion Road and Bourne Terrace, Wareham to confluence with the Wareham River, Wareham.                                                                                                                                                                                   | 0.16223  | SQUARE MILES | Fecal Coliform               | 36172           |
| Buttonwood Brook           | MA95-13    | Headwaters, at Oakdale Street, New Bedford to mouth at Apponagansett Bay, Dartmouth.                                                                                                                                                                                                                       | 3.783    | MILES        | Fecal Coliform               | 36170           |
| Cape Cod Canal             | MA95-14    | Waterway between Buzzards Bay and Cape Cod Bay, Bourne/Sandwich                                                                                                                                                                                                                                            | 1.134    | SQUARE MILES | Fecal Coliform               | 36171           |
| Cedar Island Creek         | MA95-52    | Headwaters near the intersection of Parker Drive and Camardo Drive, Wareham to the mouth at Marks Cove, Wareham.                                                                                                                                                                                           | 0.010713 | SQUARE MILES | Fecal Coliform               | 36172           |
| Crooked River              | MA95-51    | Outlet of cranberry bog east of Indian Neck Road, Wareham to the confluence with the Wareham River, Wareham.                                                                                                                                                                                               | 0.043267 | SQUARE MILES | Fecal Coliform               | 36172           |
| East Branch Westport River | MA95-40    | Outlet Noquochoke Lake, Dartmouth to Old County Road bridge, Westport.                                                                                                                                                                                                                                     | 2.862    | MILES        | Fecal Coliform               | 36170           |
| Eel Pond                   | MA95-48    | Salt water pond that discharges to the Back River, Bourne.                                                                                                                                                                                                                                                 | 0.032    | SQUARE MILES | Fecal Coliform               | 36172           |
| Great Sippewisset Creek    | MA95-23    | From the outlet of Beach Pond in Great Sippewisset Marsh, Falmouth to the mouth at Buzzards Bay, Falmouth (including the unnamed tributary from the outlet of Fresh Pond and Quahog Pond).                                                                                                                 | 0.030751 | SQUARE MILES | Fecal Coliform               | 36172           |
| Harbor Head                | MA95-46    | The semi-enclosed body of water south of the confluence with West Falmouth Harbor, south of Chappaquoit Road, Falmouth.                                                                                                                                                                                    | 0.022    | SQUARE MILES | Estuarine Bioassessments     | 34284           |
|                            |            |                                                                                                                                                                                                                                                                                                            |          |              | Fecal Coliform               | 36172           |
| Hiller Cove                | MA95-10    | The water landward of a line drawn between Joes Point, Mattapoisett and the second boat dock northeast of Hiller Cove Lane, Mattapoisett                                                                                                                                                                   | 0.039    | SQUARE MILES | Fecal Coliform               | 36172           |
| Little Bay                 | MA95-64    | From the confluence with the Nasketucket River, Fairhaven south to the confluence with Nasketucket Bay at a line from the southernmost tip of Mirey Neck, Fairhaven (~latitude 41.625702, ~longitude 70.854045) to a point of land near Shore Drive (~latitude 41.621994, ~longitude 70.855415), Fairhaven | 0.361    | SQUARE MILES | Fecal Coliform               | 36172           |
| Little Sippewisset Marsh   | MA95-24    | From headwater north of Sippewisset Road and west of Maker Lane, Falmouth to the mouth at Buzzards Bay southwest of end of Saconesett Road, Falmouth                                                                                                                                                       | 0.021    | SQUARE MILES | Fecal Coliform               | 36172           |
| Long Pond                  | MA95097    | Rochester                                                                                                                                                                                                                                                                                                  | 32.363   | ACRES        | Mercury in Fish Tissue       | 33880           |
| Mattapoisett River         | MA95-60    | From the River Road bridge, Mattapoisett to the mouth at Mattapoisett Harbor, Mattapoisett.                                                                                                                                                                                                                | 0.048    | SQUARE MILES | Fecal Coliform               | 36172           |
| Nasketucket Bay            | MA95-65    | From the confluence with Little Bay, Fairhaven to Buzzards Bay along Causeway Road, Fairhaven (on the south) and along a line from the southern tip of Brant Island, Mattapoisett to the eastern tip of West Island, Fairhaven                                                                             | 3.686    | SQUARE MILES | Fecal Coliform               | 36172           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                              | SIZE     | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|------------------------------|-----------------|
| Oyster Pond          | MA95927    | west of Route 28A, Falmouth.                                                                                                                                                                                                                                                                                                                                                                             | 0.01     | SQUARE MILES | Estuarine Bioassessments     | 34331           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Oxygen, Dissolved            | 34331           |
| Phinneys Harbor      | MA95-15    | From the confluence with the Back River, to the mouth at Buzzards Bay (demarcated by a line from the southeastern point of Mashnee Island to the northwestern point of Toby Island), Bourne.                                                                                                                                                                                                             | 0.726    | SQUARE MILES | Fecal Coliform               | 36172           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Nitrogen (Total)             | 35069           |
| Pocasset River       | MA95-16    | From the outlet of Mill Pond, Bourne to the mouth at Buzzards Bay, Bourne.                                                                                                                                                                                                                                                                                                                               | 0.052145 | SQUARE MILES | Fecal Coliform               | 36172           |
| Quissett Harbor      | MA95-25    | The semi-enclosed body of water landward of a line drawn between The Knob and Gansett Point, Falmouth.                                                                                                                                                                                                                                                                                                   | 0.171    | SQUARE MILES | Fecal Coliform               | 36172           |
| Sippican Harbor      | MA95-69    | The waters between a line demarcating the mouth of the harbor (from Converse Point to Butler Point, Marion) and a line from Allens Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island, to the point of land south of Nyes Wharf, Marion excluding Blanketship Cove and Planting Island Cove (formerly reported as a portion of segment MA95-08). | 1.943    | SQUARE MILES | Fecal Coliform               | 36172           |
| Sippican River       | MA95-07    | County Road, Marion/Webster to confluence with Weweantic River, Marion/Wareham.                                                                                                                                                                                                                                                                                                                          | 0.081378 | SQUARE MILES | Fecal Coliform               | 36172           |
| Snell Creek          | MA95-44    | Headwaters west of Main Street, Westport to Drift Road, Westport.                                                                                                                                                                                                                                                                                                                                        | 1.487208 | MILES        | Fecal Coliform               | 36170           |
| Snell Creek          | MA95-45    | Drift Road, Westport to 'Marcus' Bridge', Westport                                                                                                                                                                                                                                                                                                                                                       | 0.362    | MILES        | Fecal Coliform               | 36170           |
| Snell Creek          | MA95-59    | 'Marcus' Bridge', Westport to confluence with East Branch Westport River, Westport.                                                                                                                                                                                                                                                                                                                      | 0.008    | SQUARE MILES | Fecal Coliform               | 36172           |
| Snipatuit Pond       | MA95137    | Rochester                                                                                                                                                                                                                                                                                                                                                                                                | 644.187  | ACRES        | Mercury in Fish Tissue       | 33880           |
| Turner Pond          | MA95151    | New Bedford/Dartmouth                                                                                                                                                                                                                                                                                                                                                                                    | 86.005   | ACRES        | Mercury in Fish Tissue       | 33880           |
| Wankinco River       | MA95-50    | From Elm Street, Wareham to the confluence with the Agawam River (at a line between a point south of Mayflower Ridge Drive and a point north of the railroad tracks near Sandwich Road), Wareham.                                                                                                                                                                                                        | 0.049024 | SQUARE MILES | Fecal Coliform               | 36172           |
| West Falmouth Harbor | MA95-22    | From the confluence with Harbor Head at Chappaquoit Road, Falmouth to the mouth at Buzzards Bay at a line connecting the ends of the seawalls from Little Island and Chappaquoit Point, Falmouth (including Inner West Falmouth Harbor, Outer West Falmouth Harbor, Snug Harbor, and Mashapaquit Creek).                                                                                                 | 0.29     | SQUARE MILES | Estuarine Bioassessments     | 34328           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Estuarine Bioassessments     | 34332           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Fecal Coliform               | 36172           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Nitrogen (Total)             | 34328           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Nitrogen (Total)             | 34332           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Nitrogen (Total)             | 34917           |
|                      |            |                                                                                                                                                                                                                                                                                                                                                                                                          |          |              | Nitrogen (Total)             | 34918           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                          | SIZE    | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|--------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|------------------------------|-----------------|
| White Island Pond  | MA95166    | (East Basin) Plymouth/Wareham                                                                                                                        | 164.803 | ACRES        | (Non-Native Aquatic Plants*) |                 |
|                    |            |                                                                                                                                                      |         |              | Chlorophyll-a                | 38912           |
|                    |            |                                                                                                                                                      |         |              | Excess Algal Growth          | 38912           |
|                    |            |                                                                                                                                                      |         |              | Oxygen, Dissolved            | 38912           |
|                    |            |                                                                                                                                                      |         |              | Phosphorus (Total)           | 38912           |
|                    |            |                                                                                                                                                      |         |              | Secchi disk transparency     | 38912           |
| White Island Pond  | MA95173    | (West Basin) Plymouth/Wareham                                                                                                                        | 122.074 | ACRES        | (Non-Native Aquatic Plants*) |                 |
|                    |            |                                                                                                                                                      |         |              | Excess Algal Growth          | 38914           |
|                    |            |                                                                                                                                                      |         |              | Oxygen, Dissolved            | 38914           |
|                    |            |                                                                                                                                                      |         |              | Phosphorus (Total)           | 38914           |
| Wild Harbor        | MA95-20    | Falmouth.                                                                                                                                            | 0.145   | SQUARE MILES | Fecal Coliform               | 36172           |
| <b>Cape Cod</b>    |            |                                                                                                                                                      |         |              |                              |                 |
| Areys Pond         | MA96-70    | Orleans                                                                                                                                              | 0.02    | SQUARE MILES | Estuarine Bioassessments     | 33786           |
|                    |            |                                                                                                                                                      |         |              | Nitrogen (Total)             | 33786           |
| Baker Pond         | MA96008    | Orleans/Brewster                                                                                                                                     | 26      | ACRES        | Mercury in Fish Tissue       | 33880           |
| Bears Pond         | MA96012    | Barnstable                                                                                                                                           | 64      | ACRES        | (Non-Native Aquatic Plants*) |                 |
|                    |            |                                                                                                                                                      |         |              | Mercury in Fish Tissue       | 42393           |
| Bournes Pond       | MA96-57    | west of Central Avenue, Falmouth to Vineyard Sound, including Israels Cove, Falmouth.                                                                | 0.24    | SQUARE MILES | Estuarine Bioassessments     | 32535           |
|                    |            |                                                                                                                                                      |         |              | Estuarine Bioassessments     | 32638           |
|                    |            |                                                                                                                                                      |         |              | Fecal Coliform               | 36772           |
|                    |            |                                                                                                                                                      |         |              | Nitrogen (Total)             | 32535           |
|                    |            |                                                                                                                                                      |         |              | Nitrogen (Total)             | 32638           |
| Bucks Creek        | MA96-44    | Outlet from Harding Beach Pond (locally known as Sulfur Springs), Chatham to confluence with Cockle Cove, Nantucket Sound, Chatham.                  | 0.02    | SQUARE MILES | Enterococcus                 | 36772           |
|                    |            |                                                                                                                                                      |         |              | Fecal Coliform               | 36772           |
|                    |            |                                                                                                                                                      |         |              | Nitrogen (Total)             | 36230           |
| Bumps River        | MA96-02    | From outlet of pond at Bumps River Road, Barnstable through Scudder Bay to South Main Street bridge (confluence with Centerville River), Barnstable. | 0.07    | SQUARE MILES | Fecal Coliform               | 36771           |
| Centerville River  | MA96-04    | Approximately 300 feet west of Elliot Road, Barnstable to confluence with Centerville Harbor, including East Bay, Barnstable.                        | 0.24    | SQUARE MILES | Estuarine Bioassessments     | 33858           |
|                    |            |                                                                                                                                                      |         |              | Fecal Coliform               | 36771           |
|                    |            |                                                                                                                                                      |         |              | Nitrogen (Total)             | 33858           |
| Chase Garden Creek | MA96-35    | New Boston Road, Dennis to mouth at Cape Cod Bay, Dennis/Yarmouth.                                                                                   | 0.13    | SQUARE MILES | Fecal Coliform               | 36771           |
| Cockle Cove Creek  | MA96-79    | Northeast of the bend in Cockle Drive, Chatham to confluence with Bucks Creek, Chatham (2005 orthophotos used to delineate segment).                 | 0.007   | SQUARE MILES | Enterococcus                 | 42353           |
|                    |            |                                                                                                                                                      |         |              | Fecal Coliform               | 42353           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                      | SIZE | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------------------------|-----------------|
| Cotuit Bay                 | MA96-63    | From North Bay at Point Isabella, Barnstable oceanward to a line extended along Oyster Harbors Beach, Barnstable.                                                                | 0.85 | SQUARE MILES | Fecal Coliform               | 36582           |
|                            |            |                                                                                                                                                                                  |      |              | Nitrogen (Total)             | 33988           |
| Dock Creek                 | MA96-86    | From railroad crossing northeast of Route 6A, Sandwich to confluence with Old Harbor Creek, Sandwich.                                                                            | 0.02 | SQUARE MILES | Fecal Coliform               | 42354           |
| Duck Creek                 | MA96-32    | Source west of Route 6, Wellfleet to Wellfleet Harbor (at a line from Shirttail Point to Taylor Road), Wellfleet.                                                                | 0.15 | SQUARE MILES | Fecal Coliform               | 36772           |
| Duck Pond                  | MA96068    | Wellfleet                                                                                                                                                                        | 11   | ACRES        | Mercury in Fish Tissue       | 33880           |
| Dyer Pond                  | MA96070    | Wellfleet                                                                                                                                                                        | 10   | ACRES        | Mercury in Fish Tissue       | 33880           |
| East Harbor (Pilgrim Lake) | MA96-83    | Truro/Provincetown                                                                                                                                                               | 0.5  | SQUARE MILES | Fecal Coliform               | 42355           |
| Frost Fish Creek           | MA96-49    | Outlet from cranberry bog northwest of Stony Hill Road, Chatham to confluence with Ryder Cove, Chatham.                                                                          | 0.01 | SQUARE MILES | Fecal Coliform               | 22513           |
|                            |            |                                                                                                                                                                                  |      |              | Nitrogen (Total)             | 33781           |
| Great Harbor               | MA96-18    | The waters north of an imaginary line drawn east from Penzance Point to Devils Foot Island and southeast from Devils Foot Island to Juniper Point (excludes Eel Pond), Falmouth. | 0.31 | SQUARE MILES | Fecal Coliform               | 36772           |
| Great Pond                 | MA96114    | Truro                                                                                                                                                                            | 17   | ACRES        | Mercury in Fish Tissue       | 33880           |
| Great Pond                 | MA96117    | Wellfleet                                                                                                                                                                        | 41   | ACRES        | Mercury in Fish Tissue       | 33880           |
| Great Pond                 | MA96-54    | From inlet of Coonamessett River, Falmouth to Vineyard Sound (excluding Perch Pond), Falmouth.                                                                                   | 0.4  | SQUARE MILES | Estuarine Bioassessments     | 32532           |
|                            |            |                                                                                                                                                                                  |      |              | Nitrogen (Total)             | 32532           |
| Great River                | MA96-60    | From inlet of Abigails Brook, Mashpee to Waquoit Bay (excluding Jehu Pond), Mashpee.                                                                                             | 0.16 | SQUARE MILES | Estuarine Bioassessments     | 33815           |
|                            |            |                                                                                                                                                                                  |      |              | Nitrogen (Total)             | 33815           |
| Green Pond                 | MA96-55    | east of Acapesket Road, Falmouth outlet to Vineyard Sound, Falmouth.                                                                                                             | 0.21 | SQUARE MILES | Estuarine Bioassessments     | 32534           |
|                            |            |                                                                                                                                                                                  |      |              | Fecal Coliform               | 36772           |
|                            |            |                                                                                                                                                                                  |      |              | Nitrogen (Total)             | 32534           |
| Halls Creek                | MA96-93    | Estuarine portion, from Craigville Beach Road, Barnstable to mouth at Centerville Harbor, Barnstable.                                                                            | 0.07 | SQUARE MILES | Fecal Coliform               | 42356           |
| Hamblin Pond               | MA96-58    | From inlet of Red Brook, Falmouth/Mashpee to outlet of Little River, Mashpee and inlet/outlet of Waquoit Bay west of Meadow Neck Road, Falmouth/Mashpee.                         | 0.19 | SQUARE MILES | Estuarine Bioassessments     | 33812           |
|                            |            |                                                                                                                                                                                  |      |              | Fecal Coliform               | 36771           |
|                            |            |                                                                                                                                                                                  |      |              | Nitrogen (Total)             | 33812           |
| Harding Beach Pond         | MA96-43    | locally known as Sulfur Springs (northeast of Bucks Creek), Chatham.                                                                                                             | 0.07 | SQUARE MILES | Fecal Coliform               | 36772           |
|                            |            |                                                                                                                                                                                  |      |              | Nitrogen (Total)             | 36229           |
| Herring River              | MA96-22    | Outlet of Herring River Reservoir (at North Harwich Reservoir Dam) west of Bells Neck Road, Harwich to mouth at Nantucket Sound, Harwich.                                        | 0.07 | SQUARE MILES | Fecal Coliform               | 36772           |
| Horseleach Pond            | MA96144    | Truro                                                                                                                                                                            | 23   | ACRES        | Mercury in Fish Tissue       | 42401           |





## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                              | SIZE | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------------------------|-----------------|
| Hyannis Harbor         | MA96-05    | The waters from the shoreline to an imaginary line drawn from the light at the end of Hyannis breakwater, Barnstable to the point west of Dunbar Point, Barnstable.                                                                                                                                                                                                                                                                                      | 0.68 | SQUARE MILES | Fecal Coliform               | 36771           |
| Jehu Pond              | MA96-59    | Mashpee.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.09 | SQUARE MILES | Estuarine Bioassessments     | 33814           |
|                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |              | Nitrogen (Total)             | 33814           |
| Johns Pond             | MA96157    | Mashpee                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 316  | ACRES        | Mercury in Fish Tissue       | 33880           |
| Lawrence Pond          | MA96165    | Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 138  | ACRES        | Mercury in Fish Tissue       | 42402           |
| Little Harbor          | MA96-19    | The waters north of an imaginary line drawn from Juniper Point, Falmouth east to Nobska Beach, Falmouth.                                                                                                                                                                                                                                                                                                                                                 | 0.07 | SQUARE MILES | Fecal Coliform               | 36772           |
| Little Namskaket Creek | MA96-26    | Source to mouth at Cape Cod Bay, Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                | 0.01 | SQUARE MILES | Fecal Coliform               | 36772           |
| Little Pleasant Bay    | MA96-78    | Waters north and east of imaginary lines drawn from the northeasterly edge of Orleans (near The Horseshoe), southeasterly to the northeastern tip of Sipson Island, then continuing to and around the northeastern border of Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham then east to a point on the inner Cape Cod National Seashore (excluding the delineated segments; The River, Pochet Neck, and Paw Wah Pond). | 3.3  | SQUARE MILES | Fecal Coliform               | 42358           |
|                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |              | Nitrogen (Total)             | 33794           |
| Little Pond            | MA96-56    | west of Vista Boulevard, Falmouth outlet to Vineyard Sound, Falmouth.                                                                                                                                                                                                                                                                                                                                                                                    | 0.07 | SQUARE MILES | Estuarine Bioassessments     | 34009           |
|                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |              | Fecal Coliform               | 42364           |
| Little River           | MA96-61    | From outlet of Hamblin Pond, Mashpee to the Great River, Mashpee.                                                                                                                                                                                                                                                                                                                                                                                        | 0.02 | SQUARE MILES | Estuarine Bioassessments     | 33813           |
|                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |              | Nitrogen (Total)             | 33813           |
| Long Pond              | MA96179    | Wellfleet                                                                                                                                                                                                                                                                                                                                                                                                                                                | 35   | ACRES        | Mercury in Fish Tissue       | 33880           |
| Maraspin Creek         | MA96-06    | From Commerce Road, Barnstable to confluence with Barnstable Harbor at Blish Point, Barnstable.                                                                                                                                                                                                                                                                                                                                                          | 0.03 | SQUARE MILES | Fecal Coliform               | 36771           |
| Mashpee Pond           | MA96194    | Mashpee/Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                         | 377  | ACRES        | Mercury in Fish Tissue       | 33880           |
| Mashpee River          | MA96-24    | Quinacisset Avenue, Mashpee to mouth at Shoestring Bay (formerly to mouth at Popponesset Bay), Mashpee.                                                                                                                                                                                                                                                                                                                                                  | 0.08 | SQUARE MILES | Estuarine Bioassessments     | 33965           |
|                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |              | Fecal Coliform               | 36771           |
| Mill Creek             | MA96-37    | From Keveney Lane/Mill Lane, Barnstable/Yarmouth north to confluence with Cape Cod Bay, Barnstable/Yarmouth.                                                                                                                                                                                                                                                                                                                                             | 0.03 | SQUARE MILES | Fecal Coliform               | 36771           |
| Mill Creek             | MA96-41    | Outlet of Taylors Pond, Chatham to confluence with Cockle Cove, Chatham.                                                                                                                                                                                                                                                                                                                                                                                 | 0.03 | SQUARE MILES | Fecal Coliform               | 36772           |
| Mill Creek             | MA96-85    | Headwaters, outlet Shawme Lake Lower, Sandwich to confluence with Old Harbor Creek, Sandwich.                                                                                                                                                                                                                                                                                                                                                            | 0.02 | SQUARE MILES | Fecal Coliform               | 42366           |
| Mill Pond              | MA96-52    | including Little Mill Pond (PALIS # 96174), Chatham.                                                                                                                                                                                                                                                                                                                                                                                                     | 0.06 | SQUARE MILES | Estuarine Bioassessments     | 36222           |
|                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |              | Nitrogen (Total)             | 36222           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                              | SIZE  | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|-------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|------------------------------|-----------------|
| Muddy Creek       | MA96-51    | Source south of Countryside Drive and north-northeast of Old Queen Anne Road, Chatham to mouth at Pleasant Bay, Harwich/Chatham, including Upper and Lower reaches.                      | 0.05  | SQUARE MILES | Fecal Coliform               | 22512           |
|                   |            |                                                                                                                                                                                          |       |              | Nitrogen (Total)             | 33797           |
|                   |            |                                                                                                                                                                                          |       |              | Nitrogen (Total)             | 33798           |
| Namequoit River   | MA96-71    | Headwaters, outlet Areys Pond, Orleans to confluence with The River, Orleans.                                                                                                            | 0.06  | SQUARE MILES | Estuarine Bioassessments     | 33791           |
|                   |            |                                                                                                                                                                                          |       |              | Nitrogen (Total)             | 33791           |
| Namskaket Creek   | MA96-27    | Source west of Route 6, Orleans to mouth at Cape Cod Bay, Brewster/Orleans.                                                                                                              | 0.03  | SQUARE MILES | Fecal Coliform               | 36772           |
| North Bay         | MA96-66    | From Fox Island to just south of Bridge Street and separated from Cotuit Bay at a line from Point Isabella, Barnstable southward to the opposite shore (including Dam Pond), Barnstable. | 0.47  | SQUARE MILES | Estuarine Bioassessments     | 33990           |
|                   |            |                                                                                                                                                                                          |       |              | Fecal Coliform               | 36584           |
| Old Harbor Creek  | MA96-84    | From Foster Road, Sandwich to Sandwich Harbor, Sandwich.                                                                                                                                 | 0.06  | SQUARE MILES | Fecal Coliform               | 42367           |
| Oyster Pond       | MA96-45    | Including Stetson Cove, Chatham.                                                                                                                                                         | 0.21  | SQUARE MILES | Estuarine Bioassessments     | 36219           |
|                   |            |                                                                                                                                                                                          |       |              | Fecal Coliform               | 36772           |
|                   |            |                                                                                                                                                                                          |       |              | Nitrogen (Total)             | 36219           |
| Oyster Pond       | MA96-62    | east of Fells Road, Falmouth.                                                                                                                                                            | 0.1   | SQUARE MILES | Estuarine Bioassessments     | 34345           |
|                   |            |                                                                                                                                                                                          |       |              | Fecal Coliform               | 36772           |
|                   |            |                                                                                                                                                                                          |       |              | Oxygen, Dissolved            | 34345           |
| Oyster Pond River | MA96-46    | Outlet of Oyster Pond, Chatham to confluence with Stage Harbor, Chatham.                                                                                                                 | 0.14  | SQUARE MILES | Estuarine Bioassessments     | 36220           |
|                   |            |                                                                                                                                                                                          |       |              | Fecal Coliform               | 36772           |
|                   |            |                                                                                                                                                                                          |       |              | Nitrogen (Total)             | 36220           |
| Pamet River       | MA96-31    | Tidegate at Route 6A, Truro to mouth at Cape Cod Bay (including Pamet Harbor), Truro.                                                                                                    | 0.14  | SQUARE MILES | Fecal Coliform               | 36772           |
| Parkers River     | MA96-38    | Outlet Seine Pond, Yarmouth to mouth at Nantucket Sound, Yarmouth.                                                                                                                       | 0.04  | SQUARE MILES | Fecal Coliform               | 36771           |
| Paw Wah Pond      | MA96-72    | Orleans                                                                                                                                                                                  | 0.008 | SQUARE MILES | Estuarine Bioassessments     | 33792           |
|                   |            |                                                                                                                                                                                          |       |              | Fecal Coliform               | 42368           |
|                   |            |                                                                                                                                                                                          |       |              | Nitrogen (Total)             | 33792           |
| Perch Pond        | MA96-53    | Connects to northwest end of Great Pond, west of Keechipam Way, Falmouth.                                                                                                                | 0.03  | SQUARE MILES | Nitrogen (Total)             | 32537           |
| Peters Pond       | MA96244    | Sandwich                                                                                                                                                                                 | 123   | ACRES        | Mercury in Fish Tissue       | 33880           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SIZE | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|---------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------------------------|-----------------|
| Pleasant Bay        | MA96-77    | The waters between the mouth of Muddy Creek, Harwich and imaginary lines drawn from the northeastern edge of Orleans (near The Horseshoe), southeasterly to the northeastern tip of Sipson Island, then continuing to and around the northeastern border of Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham and from the southeastern tip of Strong Island to Allen Point, Chatham (excluding the delineated segments; Bassing Harbor, Round Cove and Quanset Pond). | 2.88 | SQUARE MILES | Nitrogen (Total)             | 33799           |
| Pochet Neck         | MA96-73    | to confluence with Little Pleasant Bay, Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.24 | SQUARE MILES | Estuarine Bioassessments     | 33793           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Fecal Coliform               | 42369           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Nitrogen (Total)             | 33793           |
| Popponesset Bay     | MA96-40    | From line connecting Ryefield Point, Barnstable and Punkhorn Point, Mashpee to inlet of Nantucket Sound (including Ockway Bay and Pinquickset Cove), Mashpee/Barnstable.                                                                                                                                                                                                                                                                                                                             | 0.68 | SQUARE MILES | Estuarine Bioassessments     | 33967           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Estuarine Bioassessments     | 33968           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Estuarine Bioassessments     | 33969           |
| Prince Cove         | MA96-07    | Includes areas east of Prince Cove which are locally known as "Warren Cove" and "Prince Cove Channel", Barnstable.                                                                                                                                                                                                                                                                                                                                                                                   | 0.14 | SQUARE MILES | Estuarine Bioassessments     | 33991           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Estuarine Bioassessments     | 33992           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Estuarine Bioassessments     | 33993           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Fecal Coliform               | 36585           |
| Provincetown Harbor | MA96-29    | The waters northwest of an imaginary line drawn northeasterly from the tip of Long Point, Provincetown to Beach Point Beach, Truro (area associated with Cape Cod National Seashore designated as ORW).                                                                                                                                                                                                                                                                                              | 4.33 | SQUARE MILES | Fecal Coliform               | 36772           |
| Quanset Pond        | MA96-74    | Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.02 | SQUARE MILES | Nitrogen (Total)             | 33791           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Nitrogen (Total)             | 33795           |
| Quashnet River      | MA96-20    | Just south of Route 28, Falmouth to mouth at Waquoit Bay, Falmouth. Also known as Moonakis River.                                                                                                                                                                                                                                                                                                                                                                                                    | 0.07 | SQUARE MILES | Fecal Coliform               | 36772           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Nitrogen (Total)             | 33811           |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              | Oxygen, Dissolved            | 33811           |
| Quivett Creek       | MA96-09    | Outlet of unnamed pond just south of Route 6A, Brewster/Dennis to the mouth at Cape Cod Bay, Brewster/Dennis.                                                                                                                                                                                                                                                                                                                                                                                        | 0.04 | SQUARE MILES | Fecal Coliform               | 36771           |
| Rock Harbor Creek   | MA96-16    | Outlet Cedar Pond, Orleans to mouth at Cape Cod Bay, Eastham/Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.03 | SQUARE MILES | Fecal Coliform               | 36772           |
| Round Cove          | MA96-75    | Harwich.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.02 | SQUARE MILES | Nitrogen (Total)             | 33796           |
| Round Pond (East)   | MA96260    | Truro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6    | ACRES        | Mercury in Fish Tissue       | 42403           |
| Round Pond (West)   | MA96261    | Truro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2    | ACRES        | Mercury in Fish Tissue       | 42404           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                   | SIZE  | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|--------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|------------------------------|-----------------|
| Ryder Cove         | MA96-50    | Chatham                                                                                                                                                                                                       | 0.19  | SQUARE MILES | Estuarine Bioassessments     | 33780           |
|                    |            |                                                                                                                                                                                                               |       |              | Fecal Coliform               | 36772           |
|                    |            |                                                                                                                                                                                                               |       |              | Nitrogen (Total)             | 33780           |
| Santuit River      | MA96-92    | From confluence with fresh water portion south of Old Mill Road, Mashpee to mouth at Shoestring Bay, Mashpee/Barnstable.                                                                                      | 0.008 | SQUARE MILES | Fecal Coliform               | 42360           |
| Saquatucket Harbor | MA96-23    | South of Route 28, Harwich to confluence with Nantucket Sound, Harwich.                                                                                                                                       | 0.02  | SQUARE MILES | Fecal Coliform               | 36772           |
| Scorton Creek      | MA96-30    | Jones Lane, Sandwich to mouth at Cape Cod Bay, Sandwich.                                                                                                                                                      | 0.03  | SQUARE MILES | Fecal Coliform               | 36771           |
| Seapuit River      | MA96-64    | south of Osterville Grand Island, Barnstable to Cotuit Bay and West Bay, Barnstable.                                                                                                                          | 0.06  | SQUARE MILES | Fecal Coliform               | 36583           |
| Sesuit Creek       | MA96-13    | Approximately 625 feet east of Route 6A, Dennis to mouth at Sesuit Harbor, Cape Cod Bay, Dennis.                                                                                                              | 0.01  | SQUARE MILES | Fecal Coliform               | 36771           |
| Sheep Pond         | MA96289    | Brewster                                                                                                                                                                                                      | 138   | ACRES        | Mercury in Fish Tissue       | 33880           |
| Shoestring Bay     | MA96-08    | Quinacisset Avenue, Mashpee/Barnstable to Popponesset Bay (line from Ryefield Point, Barnstable to Punkhorn Point, Mashpee, including Gooseberry Island), Barnstable/Mashpee.                                 | 0.31  | SQUARE MILES | Estuarine Bioassessments     | 33966           |
|                    |            |                                                                                                                                                                                                               |       |              | Fecal Coliform               | 36771           |
| Slough Pond        | MA96298    | Truro                                                                                                                                                                                                         | 29    | ACRES        | Mercury in Fish Tissue       | 33880           |
| Snake Pond         | MA96302    | Sandwich                                                                                                                                                                                                      | 81    | ACRES        | Mercury in Fish Tissue       | 33880           |
| Snow Pond          | MA96303    | Truro                                                                                                                                                                                                         | 7     | ACRES        | Mercury in Fish Tissue       | 33880           |
| Snows Creek        | MA96-81    | East of Old Colony Road, Barnstable to mouth at Lewis Bay, Barnstable.                                                                                                                                        | 0.02  | SQUARE MILES | Fecal Coliform               | 42361           |
| Spectacle Pond     | MA96306    | Wellfleet                                                                                                                                                                                                     | 2     | ACRES        | Mercury in Fish Tissue       | 42405           |
| Spectacle Pond     | MA96307    | Sandwich                                                                                                                                                                                                      | 93    | ACRES        | Mercury in Fish Tissue       | 42406           |
| Springhill Creek   | MA96-87    | From railroad crossing northeast of Route 6A, Sandwich to confluence with Old Harbor Creek, Sandwich.                                                                                                         | 0.01  | SQUARE MILES | Fecal Coliform               | 42362           |
| Stage Harbor       | MA96-11    | From the outlet of Mill Pond, Chatham (including Mitchell River) to the confluence with Nantucket Sound at a line from the southernmost point of Harding Beach southeast to the Harding Beach Point, Chatham. | 0.56  | SQUARE MILES | Fecal Coliform               | 36772           |
| Stewarts Creek     | MA96-94    | Estuarine portion west of Stetson Street, Barnstable to mouth at Hyannis Harbor, Barnstable.                                                                                                                  | 0.01  | SQUARE MILES | Fecal Coliform               | 42363           |
| Taylors Pond       | MA96-42    | Chatham                                                                                                                                                                                                       | 0.02  | SQUARE MILES | Fecal Coliform               | 36772           |
|                    |            |                                                                                                                                                                                                               |       |              | Nitrogen (Total)             | 36231           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                   | SIZE   | UNITS        | POLLUTANTS ADDRESSED BY TMDL                               | EPA TMDL NUMBER |
|-------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|------------------------------------------------------------|-----------------|
| The River         | MA96-76    | The water landward of an imaginary line drawn between Old Field Point and Namequoit Point including Meetinghouse Pond, and Kescayo Gansett Pond locally known as "Lonnies Pond", Orleans (excluding the delineated segments; Namequoit River and Areys Pond). | 0.42   | SQUARE MILES | Estuarine Bioassessments                                   | 33787           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Estuarine Bioassessments                                   | 33788           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Estuarine Bioassessments                                   | 33789           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Estuarine Bioassessments                                   | 33790           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Fecal Coliform                                             | 42359           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Nitrogen (Total)                                           | 33787           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Nitrogen (Total)                                           | 33788           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Nitrogen (Total)                                           | 33789           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Nitrogen (Total)                                           | 33790           |
| Wakeby Pond       | MA96346    | Mashpee/Sandwich                                                                                                                                                                                                                                              | 353    | ACRES        | Mercury in Fish Tissue                                     | 33880           |
| Wequaquet Lake    | MA96333    | Barnstable                                                                                                                                                                                                                                                    | 576    | ACRES        | (Non-Native Aquatic Plants*)                               |                 |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Mercury in Fish Tissue                                     | 33880           |
| West Bay          | MA96-65    | South of the Bridge Street bridge, Barnstable to Nantucket Sound including Eel River, Barnstable.                                                                                                                                                             | 0.52   | SQUARE MILES | Estuarine Bioassessments                                   | 33989           |
| <b>Charles</b>    |            |                                                                                                                                                                                                                                                               |        |              |                                                            |                 |
| Beaver Pond       | MA72004    | Bellingham/Milford                                                                                                                                                                                                                                            | 86.679 | ACRES        | Mercury in Fish Tissue                                     | 42394           |
| Bogastow Brook    | MA72-16    | Headwaters, outlet Factory Pond, Holliston to inlet South End Pond, Millis.                                                                                                                                                                                   | 9.492  | MILES        | Fecal Coliform                                             | 32373           |
| Cedar Swamp Pond  | MA72016    | locally known as "Milford Pond", Milford                                                                                                                                                                                                                      | 98.978 | ACRES        | (Non-Native Aquatic Plants*)                               |                 |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Mercury in Fish Tissue                                     | 42395           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Oxygen, Dissolved                                          | 40319           |
| Charles River     | MA72-01    | Headwaters, outlet Echo Lake, Hopkinton to Dilla Street (just upstream of Cedar Swamp Pond), Milford.                                                                                                                                                         | 2.482  | MILES        | (Low flow alterations*)                                    |                 |
|                   |            |                                                                                                                                                                                                                                                               |        |              | (Other flow regime alterations*)                           |                 |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Oxygen, Dissolved                                          | 40318           |
| Charles River     | MA72-33    | Outlet Cedar Swamp Pond, Milford to the Milford WWTF discharge, Hopedale (formerly part of segment MA72-02).                                                                                                                                                  | 2.037  | MILES        | (Physical substrate habitat alterations*)                  |                 |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Escherichia coli                                           | 32364           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Nutrient/Eutrophication Biological Indicators              | 40317           |
| Cheese Cake Brook | MA72-29    | Emerges south of Route 16, Newton to confluence with the Charles River, Newton.                                                                                                                                                                               | 1.416  | MILES        | (Alteration in stream-side or littoral vegetative covers*) |                 |
|                   |            |                                                                                                                                                                                                                                                               |        |              | (Other anthropogenic substrate alterations*)               |                 |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Dissolved oxygen saturation                                | 40317           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Escherichia coli                                           | 32380           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Excess Algal Growth                                        | 40317           |
|                   |            |                                                                                                                                                                                                                                                               |        |              | Phosphorus (Total)                                         | 40317           |
| Echo Lake         | MA72035    | Milford/Hopkinton                                                                                                                                                                                                                                             | 72.335 | ACRES        | Mercury in Fish Tissue                                     | 33880           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                     | SIZE    | UNITS | POLLUTANTS ADDRESSED BY TMDL                     | EPA TMDL NUMBER |
|------------------------------|------------|-----------------------------------------------------------------------------------------------------------------|---------|-------|--------------------------------------------------|-----------------|
| Factory Pond                 | MA72037    | Holliston                                                                                                       | 9.699   | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                              |            |                                                                                                                 |         |       | Aquatic Plants (Macrophytes)                     | 40319           |
| Franklin Reservoir Northeast | MA72095    | Franklin                                                                                                        | 21.03   | ACRES | Aquatic Plants (Macrophytes)                     | 40319           |
|                              |            |                                                                                                                 |         |       | Turbidity                                        | 40319           |
| Franklin Reservoir Southwest | MA72032    | Franklin                                                                                                        | 13.12   | ACRES | Aquatic Plants (Macrophytes)                     | 40319           |
|                              |            |                                                                                                                 |         |       | Turbidity                                        | 40319           |
| Hardys Pond                  | MA72045    | Waltham                                                                                                         | 42.769  | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                              |            |                                                                                                                 |         |       | Excess Algal Growth                              | 40319           |
|                              |            |                                                                                                                 |         |       | Phosphorus (Total)                               | 40319           |
|                              |            |                                                                                                                 |         |       | Turbidity                                        | 40319           |
| Houghton Pond                | MA72050    | Holliston                                                                                                       | 17.521  | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                              |            |                                                                                                                 |         |       | Excess Algal Growth                              | 40319           |
|                              |            |                                                                                                                 |         |       | Turbidity                                        | 40319           |
| Lake Pearl                   | MA72092    | Wrentham                                                                                                        | 236.692 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                              |            |                                                                                                                 |         |       | (Non-Native Aquatic Plants*)                     |                 |
|                              |            |                                                                                                                 |         |       | Oxygen, Dissolved                                | 40319           |
| Linden Pond                  | MA72063    | Holliston                                                                                                       | 1.399   | ACRES | Aquatic Plants (Macrophytes)                     | 40319           |
|                              |            |                                                                                                                 |         |       | Turbidity                                        | 40319           |
| Lymans Pond                  | MA72070    | Dover                                                                                                           | 4.395   | ACRES | Aquatic Plants (Macrophytes)                     | 40319           |
|                              |            |                                                                                                                 |         |       | Turbidity                                        | 40319           |
| Mirror Lake                  | MA72078    | Wrentham/Norfolk                                                                                                | 61.55   | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                              |            |                                                                                                                 |         |       | Nutrient/Eutrophication Biological Indicators    | 40319           |
|                              |            |                                                                                                                 |         |       | Phosphorus (Total)                               | 40319           |
|                              |            |                                                                                                                 |         |       | Secchi disk transparency                         | 40319           |
| Rosemary Brook               | MA72-25    | Headwaters, outlet Rosemary Lake, Needham to confluence with the Charles River, Wellesley.                      | 3.266   | MILES | Oxygen, Dissolved                                | 40317           |
|                              |            |                                                                                                                 |         |       | Phosphorus (Total)                               | 40317           |
| South Meadow Brook           | MA72-24    | From emergence west of Parker Street, Newton to confluence with the Charles River, Newton (sections culverted). | 1.706   | MILES | (Bottom Deposits*)                               |                 |
|                              |            |                                                                                                                 |         |       | (Debris/Floatables/Trash*)                       |                 |
|                              |            |                                                                                                                 |         |       | (Physical substrate habitat alterations*)        |                 |
|                              |            |                                                                                                                 |         |       | Escherichia coli                                 | 32377           |
|                              |            |                                                                                                                 |         |       | Oxygen, Dissolved                                | 40317           |
|                              |            |                                                                                                                 |         |       | Phosphorus (Total)                               | 40317           |
|                              |            |                                                                                                                 |         |       | Turbidity                                        | 40317           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                 | SIZE     | UNITS | POLLUTANTS ADDRESSED BY TMDL                     | EPA TMDL NUMBER |
|-------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|--------------------------------------------------|-----------------|
| Uncas Pond              | MA72122    | Franklin                                                                                                                                    | 17.3     | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                         |            |                                                                                                                                             |          |       | Oxygen, Dissolved                                | 40319           |
| Unnamed Tributary       | MA72-32    | Locally known as Sawins Brook - emerges east of Elm Street, Watertown to confluence with the Charles River, Watertown (sections culverted). | 0.539    | MILES | Escherichia coli                                 | 32382           |
| <b>Chicopee</b>         |            |                                                                                                                                             |          |       |                                                  |                 |
| Lake Lashaway           | MA36079    | North Brookfield/East Brookfield                                                                                                            | 274      | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                         |            |                                                                                                                                             |          |       | Mercury in Fish Tissue                           | 33880           |
| Long Pond               | MA36083    | Springfield                                                                                                                                 | 14       | ACRES | Nutrient/Eutrophication Biological Indicators    | 722             |
| Minechoag Pond          | MA36093    | Ludlow                                                                                                                                      | 21       | ACRES | Nutrient/Eutrophication Biological Indicators    | 3629            |
| Mona Lake               | MA36094    | Springfield                                                                                                                                 | 11       | ACRES | Nutrient/Eutrophication Biological Indicators    | 3630            |
| Pottapaug Pond          | MA36125    | Petersham/Hardwick                                                                                                                          | 568      | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                         |            |                                                                                                                                             |          |       | Mercury in Fish Tissue                           | 33880           |
| Quabbin Reservoir       | MA36129    | Petersham/Pelham/Ware/Hardwick/Shutesbury/Belchertown/New Salem                                                                             | 24012    | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                         |            |                                                                                                                                             |          |       | Mercury in Fish Tissue                           | 33880           |
| Quacumquasit Pond       | MA36131    | Brookfield/East Brookfield/Sturbridge                                                                                                       | 223      | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                         |            |                                                                                                                                             |          |       | (Non-Native Aquatic Plants*)                     |                 |
|                         |            |                                                                                                                                             |          |       | Mercury in Fish Tissue                           | 33880           |
| Spectacle Pond          | MA36142    | Wilbraham                                                                                                                                   | 9        | ACRES | Nutrient/Eutrophication Biological Indicators    | 3631            |
| Sugden Reservoir        | MA36150    | Spencer                                                                                                                                     | 85       | ACRES | Nutrient/Eutrophication Biological Indicators    | 3633            |
| Wickaboag Pond          | MA36166    | West Brookfield                                                                                                                             | 315      | ACRES | Aquatic Plants (Macrophytes)                     | 1332            |
|                         |            |                                                                                                                                             |          |       | Turbidity                                        | 1332            |
| <b>Concord (SuAsCo)</b> |            |                                                                                                                                             |          |       |                                                  |                 |
| Ashland Reservoir       | MA82003    | Ashland                                                                                                                                     | 167.961  | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                         |            |                                                                                                                                             |          |       | Mercury in Fish Tissue                           | 42396           |
| Boons Pond              | MA82011    | Stow/Hudson                                                                                                                                 | 173.442  | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                         |            |                                                                                                                                             |          |       | Excess Algal Growth                              | 2353            |
|                         |            |                                                                                                                                             |          |       | Mercury in Fish Tissue                           | 33880           |
| Nutting Lake            | MA82124    | [West Basin] Billerica                                                                                                                      | 51.408   | ACRES | Mercury in Fish Tissue                           | 33880           |
| Sudbury Reservoir       | MA82106    | Southborough/Marlborough                                                                                                                    | 1177.986 | ACRES | Mercury in Fish Tissue                           | 33880           |
| Walden Pond             | MA82109    | Concord                                                                                                                                     | 62.946   | ACRES | Mercury in Fish Tissue                           | 33880           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                     | SIZE    | UNITS | POLLUTANTS ADDRESSED BY TMDL                     | EPA TMDL NUMBER |
|-------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------------------------------------------------|-----------------|
| Warners Pond      | MA82110    | Concord                                                                                                                                                                         | 59.338  | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                                                                                                                                                                 |         |       | Mercury in Fish Tissue                           | 33880           |
| Connecticut       |            |                                                                                                                                                                                 |         |       |                                                  |                 |
| Bachelor Brook    | MA34-07    | Outlet Forge Pond, Granby to confluence with Connecticut River, South Hadley (through former segments Aldrich Lake [East Basin] MA34002 and Aldrich Lake [West Basin] MA34106). | 11.606  | MILES | Nutrient/Eutrophication Biological Indicators    | 5               |
|                   |            |                                                                                                                                                                                 |         |       | Nutrient/Eutrophication Biological Indicators    | 6               |
| Lake Warner       | MA34098    | Hadley                                                                                                                                                                          | 65.132  | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                                                                                                                                                                 |         |       | Excess Algal Growth                              | 651             |
|                   |            |                                                                                                                                                                                 |         |       | Oxygen, Dissolved                                | 651             |
|                   |            |                                                                                                                                                                                 |         |       | Phosphorus (Total)                               | 651             |
|                   |            |                                                                                                                                                                                 |         |       | Turbidity                                        | 651             |
| Lake Wyola        | MA34103    | Shutesbury                                                                                                                                                                      | 126.119 | ACRES | Nutrient/Eutrophication Biological Indicators    | 653             |
|                   |            |                                                                                                                                                                                 |         |       | Phosphorus (Total)                               | 653             |
| Leverett Pond     | MA34042    | Leverett                                                                                                                                                                        | 90.709  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                   |            |                                                                                                                                                                                 |         |       | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                                                                                                                                                                 |         |       | Nutrient/Eutrophication Biological Indicators    | 675             |
| Loon Pond         | MA34045    | Springfield                                                                                                                                                                     | 25.104  | ACRES | Nutrient/Eutrophication Biological Indicators    | 726             |
| Deerfield         |            |                                                                                                                                                                                 |         |       |                                                  |                 |
| Ashfield Pond     | MA33001    | Ashfield                                                                                                                                                                        | 38.041  | ACRES | Mercury in Fish Tissue                           | 42397           |
| Plainfield Pond   | MA33017    | Plainfield                                                                                                                                                                      | 59.616  | ACRES | Mercury in Fish Tissue                           | 33880           |
| Farmington        |            |                                                                                                                                                                                 |         |       |                                                  |                 |
| Otis Reservoir    | MA31027    | Otis/Tolland/Blandford                                                                                                                                                          | 988.88  | ACRES | Mercury in Fish Tissue                           | 33880           |
| French            |            |                                                                                                                                                                                 |         |       |                                                  |                 |
| Buffumville Lake  | MA42005    | Charlton/Oxford                                                                                                                                                                 | 199     | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                                                                                                                                                                 |         |       | Excess Algal Growth                              | 2358            |
|                   |            |                                                                                                                                                                                 |         |       | Mercury in Fish Tissue                           | 33880           |
| Cedar Meadow Pond | MA42009    | Leicester                                                                                                                                                                       | 140     | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                   |            |                                                                                                                                                                                 |         |       | Aquatic Plants (Macrophytes)                     | 2359            |
| Dresser Hill Pond | MA42014    | Charlton                                                                                                                                                                        | 8       | ACRES | Turbidity                                        | 2360            |
| Dutton Pond       | MA42015    | Leicester                                                                                                                                                                       | 6       | ACRES | Nutrient/Eutrophication Biological Indicators    | 2354            |
|                   |            |                                                                                                                                                                                 |         |       | Phosphorus (Total)                               | 2354            |





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| NAME                  | SEGMENT ID | DESCRIPTION       | SIZE    | UNITS | POLLUTANTS ADDRESSED BY TMDL                     | EPA TMDL NUMBER |
|-----------------------|------------|-------------------|---------|-------|--------------------------------------------------|-----------------|
| Gore Pond             | MA42018    | Dudley/Charlton   | 169     | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                       |            |                   |         |       | Excess Algal Growth                              | 2361            |
|                       |            |                   |         |       | Oxygen, Dissolved                                | 2361            |
|                       |            |                   |         |       | Turbidity                                        | 2361            |
| Granite Reservoir     | MA42019    | Charlton          | 207     | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                       |            |                   |         |       | Aquatic Plants (Macrophytes)                     | 2362            |
| Greenville Pond       | MA42023    | Leicester         | 31      | ACRES | Turbidity                                        | 2355            |
| Hudson Pond           | MA42029    | Oxford/Sutton     | 15      | ACRES | Aquatic Plants (Macrophytes)                     | 2363            |
| Jones Pond            | MA42030    | Charlton/Spencer  | 30      | ACRES | Aquatic Plants (Macrophytes)                     | 2364            |
| Larner Pond           | MA42068    | Dudley            | 27      | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                       |            |                   |         |       | Aquatic Plants (Macrophytes)                     | 2365            |
| Lowes Pond            | MA42034    | Oxford            | 33      | ACRES | Aquatic Plants (Macrophytes)                     | 2366            |
| McKinstry Pond        | MA42035    | Oxford            | 16      | ACRES | Aquatic Plants (Macrophytes)                     | 2367            |
| Mosquito Pond         | MA42060    | Dudley            | 11      | ACRES | Aquatic Plants (Macrophytes)                     | 2374            |
| New Pond              | MA42037    | Dudley            | 33      | ACRES | Aquatic Plants (Macrophytes)                     | 2368            |
| Peter Pond            | MA42042    | Dudley            | 42      | ACRES | Oxygen, Dissolved                                | 2369            |
|                       |            |                   |         |       | Phosphorus (Total)                               | 2369            |
| Pierpoint Meadow Pond | MA42043    | Dudley/Charlton   | 95      | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                       |            |                   |         |       | Aquatic Plants (Macrophytes)                     | 2370            |
| Pikes Pond            | MA42044    | Charlton          | 28      | ACRES | Turbidity                                        | 2371            |
| Rochdale Pond         | MA42048    | Leicester         | 43      | ACRES | Nutrient/Eutrophication Biological Indicators    | 2356            |
| Shepherd Pond         | MA42051    | Dudley            | 16      | ACRES | Aquatic Plants (Macrophytes)                     | 2373            |
| Wallis Pond           | MA42062    | Dudley            | 24      | ACRES | Aquatic Plants (Macrophytes)                     | 2375            |
|                       |            |                   |         |       | Oxygen, Dissolved                                | 2375            |
| Housatonic            |            |                   |         |       |                                                  |                 |
| Stockbridge Bowl      | MA21105    | Stockbridge       | 383.495 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                       |            |                   |         |       | Mercury in Fish Tissue                           | 33880           |
| Ipswich               |            |                   |         |       |                                                  |                 |
| Hood Pond             | MA92025    | Ipswich/Topsfield | 67.446  | ACRES | Mercury in Fish Tissue                           | 33880           |
| Mill Pond             | MA92041    | Burlington        | 59.084  | ACRES | Mercury in Fish Tissue                           | 33880           |
| Islands               |            |                   |         |       |                                                  |                 |



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| NAME                 | SEGMENT ID | DESCRIPTION                | SIZE   | UNITS | POLLUTANTS ADDRESSED BY TMDL                     | EPA TMDL NUMBER |
|----------------------|------------|----------------------------|--------|-------|--------------------------------------------------|-----------------|
| Gibbs Pond           | MA97028    | Nantucket                  | 34.048 | ACRES | Mercury in Fish Tissue                           | 33880           |
| Miacomet Pond        | MA97055    | Nantucket                  | 34.227 | ACRES | Mercury in Fish Tissue                           | 33880           |
| Tom Nevers Pond      | MA97097    | Nantucket                  | 11.221 | ACRES | Mercury in Fish Tissue                           | 33880           |
| <b>Merrimack</b>     |            |                            |        |       |                                                  |                 |
| Forge Pond           | MA84015    | Westford/Littleton         | 203    | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                      |            |                            |        |       | Mercury in Fish Tissue                           | 33880           |
| Knops Pond/Lost Lake | MA84084    | Groton                     | 187    | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                      |            |                            |        |       | (Non-Native Aquatic Plants*)                     |                 |
|                      |            |                            |        |       | Mercury in Fish Tissue                           | 33880           |
| Locust Pond          | MA84031    | Tyngsborough               | 16     | ACRES | Mercury in Fish Tissue                           | 33880           |
| Nabnasset Pond       | MA84044    | Westford                   | 134    | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                      |            |                            |        |       | Mercury in Fish Tissue                           | 33880           |
| <b>Millers</b>       |            |                            |        |       |                                                  |                 |
| Bents Pond           | MA35007    | Gardner                    | 6.158  | ACRES | Excess Algal Growth                              | 4115            |
|                      |            |                            |        |       | Turbidity                                        | 4115            |
| Bourn-Hadley Pond    | MA35008    | Templeton                  | 25.788 | ACRES | Aquatic Plants (Macrophytes)                     | 4117            |
| Brazell Pond         | MA35010    | Templeton                  | 14.669 | ACRES | Aquatic Plants (Macrophytes)                     | 4118            |
| Depot Pond           | MA35018    | (Railroad Pond) Templeton  | 15.208 | ACRES | Aquatic Plants (Macrophytes)                     | 4124            |
| Ellis Pond           | MA35023    | Athol                      | 87.539 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                      |            |                            |        |       | (Non-Native Aquatic Plants*)                     |                 |
|                      |            |                            |        |       | Aquatic Plants (Macrophytes)                     | 4125            |
| Greenwood Pond       | MA35026    | Templeton                  | 12.451 | ACRES | Aquatic Plants (Macrophytes)                     | 4127            |
| Hilchey Pond         | MA35029    | Gardner                    | 7.61   | ACRES | Turbidity                                        | 4128            |
| Lake Denison         | MA35017    | Winchendon                 | 83.492 | ACRES | Mercury in Fish Tissue                           | 33880           |
|                      |            |                            |        |       | Oxygen, Dissolved                                | 4123            |
| Lake Rohunta         | MA35106    | (North Basin) Athol/Orange | 34.359 | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                      |            |                            |        |       | Mercury in Fish Tissue                           | 33880           |
| Moores Pond          | MA35048    | Warwick                    | 39.114 | ACRES | Mercury in Fish Tissue                           | 42398           |
| Parker Pond          | MA35056    | Gardner                    | 32.188 | ACRES | (Non-Native Aquatic Plants*)                     |                 |
|                      |            |                            |        |       | Aquatic Plants (Macrophytes)                     | 4134            |
| Ramsdall Pond        | MA35062    | Gardner                    | 2.145  | ACRES | Aquatic Plants (Macrophytes)                     | 4136            |



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| NAME                            | SEGMENT ID | DESCRIPTION                                                                                                     | SIZE    | UNITS        | POLLUTANTS ADDRESSED BY TMDL                  | EPA TMDL NUMBER |
|---------------------------------|------------|-----------------------------------------------------------------------------------------------------------------|---------|--------------|-----------------------------------------------|-----------------|
| Reservoir No. 1                 | MA35063    | Athol                                                                                                           | 7.684   | ACRES        | Aquatic Plants (Macrophytes)                  | 4137            |
| South Athol Pond                | MA35078    | Athol                                                                                                           | 82.785  | ACRES        | (Non-Native Aquatic Plants*)                  |                 |
|                                 |            |                                                                                                                 |         |              | Aquatic Plants (Macrophytes)                  | 4140            |
| Stoddard Pond                   | MA35083    | Winchendon                                                                                                      | 51.848  | ACRES        | Aquatic Plants (Macrophytes)                  | 4141            |
| Upper Naukeag Lake              | MA35090    | Ashburnham                                                                                                      | 305.262 | ACRES        | Mercury in Fish Tissue                        | 33880           |
| Upper Reservoir                 | MA35091    | Westminster                                                                                                     | 41.563  | ACRES        | Mercury in Fish Tissue                        | 33880           |
| <b>Mount Hope Bay (Shore)</b>   |            |                                                                                                                 |         |              |                                               |                 |
| Kickamuit River                 | MA61-08    | Outlet Warren Reservoir, Swansea, to state line, Swansea, MA/Warren, RI                                         | 2.8     | MILES        | Fecal Coliform                                | 30702           |
| Lewin Brook Pond                | MA61011    | Swansea                                                                                                         | 11      | ACRES        | Mercury in Fish Tissue                        | 33880           |
| North Watuppa Pond              | MA61004    | Fall River/Westport                                                                                             | 1730    | ACRES        | Mercury in Fish Tissue                        | 33880           |
| Sawdy Pond                      | MA61005    | Westport/Fall River                                                                                             | 368     | ACRES        | Mercury in Fish Tissue                        | 42407           |
| <b>Narragansett Bay (Shore)</b> |            |                                                                                                                 |         |              |                                               |                 |
| Clear Run Brook                 | MA53-13    | Headwaters, outlet unnamed pond northwest of Miller Street, Seekonk to confluence with Palmer River, Rehoboth   | 1.6     | MILES        | Fecal Coliform                                | 35097           |
| Palmer River                    | MA53-03    | From Route 6 bridge, Rehoboth to state line, Swansea, MA/Barrington, RI                                         | 0.11    | SQUARE MILES | Fecal Coliform                                | 35085           |
| Palmer River                    | MA53-05    | From the Shad Factory Pond dam, Rehoboth to the Route 6 bridge, Rehoboth                                        | 0.09    | SQUARE MILES | Fecal Coliform                                | 35087           |
| Rocky Run                       | MA53-16    | Headwaters in wetland east of Simmons Street, Rehoboth to approximately 0.1 mile east of Mason Street, Rehoboth | 8.6     | MILES        | Fecal Coliform                                | 35096           |
| Rocky Run                       | MA53-18    | approximately 0.1 mile east of Mason Street, Rehoboth to confluence with Palmer River, Rehoboth                 | 0.002   | SQUARE MILES | Fecal Coliform                                | 35096           |
| Torrey Creek                    | MA53-17    | From Barney Avenue, Rehoboth to confluence with Palmer River, Rehoboth                                          | 0.004   | SQUARE MILES | Fecal Coliform                                | 35088           |
| Warren River Pond               | MA53-06    | Salt pond in Swansea on MA/RI border (portion in MA only)                                                       | 0.06    | SQUARE MILES | Fecal Coliform                                | 38904           |
| <b>Nashua</b>                   |            |                                                                                                                 |         |              |                                               |                 |
| Bare Hill Pond                  | MA81007    | Harvard                                                                                                         | 311     | ACRES        | (Non-Native Aquatic Plants*)                  |                 |
|                                 |            |                                                                                                                 |         |              | Mercury in Fish Tissue                        | 33880           |
|                                 |            |                                                                                                                 |         |              | Nutrient/Eutrophication Biological Indicators | 2615            |
| Hickory Hills Lake              | MA81031    | Lunenburg                                                                                                       | 310     | ACRES        | Mercury in Fish Tissue                        | 33880           |



## Massachusetts Category 4a Waters "TMDL is completed"

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|---------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|--------------------------------------------------|-----------------|
| Lake Wampanoag      | MA81151    | Ashburnham/Gardner                                                                                                                                                                                                                                                                                                                                                                       | 224     | ACRES        | Mercury in Fish Tissue                           | 33880           |
| Wachusett Reservoir | MA81147    | Boylston/West Boylston/Clinton/Sterling                                                                                                                                                                                                                                                                                                                                                  | 3967    | ACRES        | (Eurasian Water Milfoil, Myriophyllum spicatum*) |                 |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                          |         |              | (Non-Native Aquatic Plants*)                     |                 |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                          |         |              | Mercury in Fish Tissue                           | 33880           |
| North Coastal       |            |                                                                                                                                                                                                                                                                                                                                                                                          |         |              |                                                  |                 |
| Alewife Brook       | MA93-45    | Headwaters, outlet Chebacco Lake, Essex to Landing Road, Essex.                                                                                                                                                                                                                                                                                                                          | 1.404   | MILES        | Fecal Coliform                                   | 50120           |
| Alewife Brook       | MA93-46    | Landing Road, Essex to confluence with Essex River, Essex.                                                                                                                                                                                                                                                                                                                               | 0.01    | SQUARE MILES | Fecal Coliform                                   | 50121           |
| Annisquam River     | MA93-12    | The waters from the Gloucester Harbor side of the Route 127 bridge, Gloucester to Ipswich Bay at an imaginary line drawn from Bald Rocks to Wigwam Point, Gloucester.                                                                                                                                                                                                                    | 0.82    | SQUARE MILES | Fecal Coliform                                   | 50121           |
| Bass River          | MA93-08    | Outlet of "Lower Shoe Pond" north of Route 62, Beverly to confluence with Danvers River, Beverly.                                                                                                                                                                                                                                                                                        | 0.121   | SQUARE MILES | Fecal Coliform                                   | 50121           |
| Bennetts Pond Brook | MA93-48    | Headwaters east of Lynn Fells Parkway (in Bellevue Golf Course), Melrose to confluence with Saugus River, Saugus.                                                                                                                                                                                                                                                                        | 2.41    | MILES        | Fecal Coliform                                   | 50120           |
| Beverly Harbor      | MA93-20    | From the mouth of the Danvers River, Salem/Beverly to an imaginary line from Juniper Point, Salem to Hospital Point, Beverly.                                                                                                                                                                                                                                                            | 1.02    | SQUARE MILES | Fecal Coliform                                   | 50122           |
| Causeway Brook      | MA93-47    | Headwaters, outlet Dexter Pond, Manchester to confluence with Cat Brook, Manchester.                                                                                                                                                                                                                                                                                                     | 1.077   | MILES        | Fecal Coliform                                   | 50120           |
| Chebacco Lake       | MA93014    | Hamilton/Essex                                                                                                                                                                                                                                                                                                                                                                           | 204.374 | ACRES        | (Non-Native Aquatic Plants*)                     |                 |
|                     |            |                                                                                                                                                                                                                                                                                                                                                                                          |         |              | Mercury in Fish Tissue                           | 33880           |
| Crane Brook         | MA93-02    | Headwaters east of Route 95, Danvers to inlet Mill Pond, Danvers.                                                                                                                                                                                                                                                                                                                        | 1.808   | MILES        | Fecal Coliform                                   | 50120           |
| Crane River         | MA93-41    | Outlet pump house sluiceway, Purchase Street, Danvers to confluence with Danvers River, Danvers.                                                                                                                                                                                                                                                                                         | 0.07    | SQUARE MILES | Fecal Coliform                                   | 50121           |
| Danvers River       | MA93-09    | Confluence of Porter, Crane and Waters rivers, Danvers to mouth at Beverly Harbor, Beverly/Salem.                                                                                                                                                                                                                                                                                        | 0.53    | SQUARE MILES | Fecal Coliform                                   | 50121           |
| Essex Bay           | MA93-16    | The waters landward of Ipswich Bay contained within an imagiany line drawn from the northwestern tip of Gloucester near Coffins Beach to the southern tip of Castle Neck, Ipswich to the eastern most point of Dilly Island, Essex (mouth of Castle NeckRiver) and then from Cross Island, Essex to Conomo Point, Essex (mouth of Essex River) excluding Walker, Lanes, and Farm creeks. | 0.97    | SQUARE MILES | Fecal Coliform                                   | 50121           |
| Essex River         | MA93-11    | Source east of Southern Avenue, Essex to mouth at Essex Bay, Essex.                                                                                                                                                                                                                                                                                                                      | 0.501   | SQUARE MILES | Fecal Coliform                                   | 50121           |
| Frost Fish Brook    | MA93-36    | Cabot Road, Danvers to Porter River confluence at Route 62, Danvers.                                                                                                                                                                                                                                                                                                                     | 1.028   | MILES        | Fecal Coliform                                   | 50120           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                            | SIZE  | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|-------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|------------------------------|-----------------|
| Hawkes Brook      | MA93-32    | Headwaters near the Lynn/Lynnfield border to the inlet of Hawkes Pond, Lynnfield.                                                                                                                                                                                                                                                                                      | 2.608 | MILES        | Fecal Coliform               | 50120           |
| Hawkes Brook      | MA93-33    | Outlet of Hawkes Pond, Saugus to confluence with Saugus River, Saugus.                                                                                                                                                                                                                                                                                                 | 1.087 | MILES        | Fecal Coliform               | 50120           |
| Lynn Harbor       | MA93-52    | The "inner" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere excluding the Saugus River (formerly part of segment 93-23).                                                                                                                                            | 1.623 | SQUARE MILES | Fecal Coliform               | 50122           |
| Lynn Harbor       | MA93-53    | The "outer" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Baileys Hill, Nahant to the eastern point of Winthrop Highlands, Winthrop to the seaward edge of the "inner" portion of Lynn Harbor (at an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere) (formerly part of segment 93-23). | 6.557 | SQUARE MILES | Fecal Coliform               | 50122           |
| Manchester Harbor | MA93-19    | The waters landward of an imaginary line drawn between Gales Point and Chubb Point, Manchester excluding Cat Brook.                                                                                                                                                                                                                                                    | 0.333 | SQUARE MILES | Fecal Coliform               | 50122           |
| Marblehead Harbor | MA93-22    | The waters landward of an imaginary line drawn northwesterly from the northern tip of Marblehead Neck to Fort Sewall, Marblehead.                                                                                                                                                                                                                                      | 0.561 | SQUARE MILES | Fecal Coliform               | 50121           |
| Mill River        | MA93-28    | Headwaters, outlet Mill Pond, Gloucester to confluence with Annisquam River, Gloucester.                                                                                                                                                                                                                                                                               | 0.097 | SQUARE MILES | Fecal Coliform               | 50121           |
| Nahant Bay        | MA93-24    | The waters landward of an imaginary line drawn between Galloupes Point, Swampscott and East Point, Nahant.                                                                                                                                                                                                                                                             | 5.117 | SQUARE MILES | Fecal Coliform               | 50121           |
| Pines River       | MA93-15    | Headwaters east of Route 1, Revere/Saugus to confluence with the Saugus River, Saugus/Revere.                                                                                                                                                                                                                                                                          | 0.577 | SQUARE MILES | Fecal Coliform               | 50122           |
| Porter River      | MA93-04    | Confluence with Frost Fish Brook at Route 62, Danvers to confluence with Danvers River, Danvers.                                                                                                                                                                                                                                                                       | 0.134 | SQUARE MILES | Fecal Coliform               | 50121           |
| Rockport Harbor   | MA93-57    | Waters landward of an imaginary line from Gully Point, Rockport to Granite Pier, Rockport (including Back Harbor and a portion of Sandy Bay) (includes area formerly reported as segment MA93-17)                                                                                                                                                                      | 0.35  | SQUARE MILES | Fecal Coliform               | 50122           |
| Salem Sound       | MA93-55    | Northern portion of Salem Sound, waters landward of and within imaginary lines from Chubb Point, Manchester to Gales Point, Manchester to the northwest point of Bakers Island, Salem to Hospital Point, Beverly (formerly reported as a portion of segment MA93-25)                                                                                                   | 3.46  | SQUARE MILES | Fecal Coliform               | 50121           |
| Salem Sound       | MA93-56    | Southern portion of Salem Sound, waters landward of and within imaginary lines from Fort Sewall, Marblehead to the Marblehead Lighthouse on Marblehead Neck, Marblehead to the northwest point of Bakers Island, Salem to Naugus Head, Marblehead (formerly reported as a portion of segment MA93-25)                                                                  | 2.55  | SQUARE MILES | Fecal Coliform               | 50121           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                 | SIZE     | UNITS        | POLLUTANTS ADDRESSED BY TMDL                               | EPA TMDL NUMBER |
|--------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|------------------------------------------------------------|-----------------|
| Saugus River             | MA93-35    | From the Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield to Saugus Iron Works, Bridge Street, Saugus (formerly part of segment MA93-13). | 5.367    | MILES        | (Alteration in stream-side or littoral vegetative covers*) |                 |
|                          |            |                                                                                                                                                             |          |              | (Low flow alterations*)                                    |                 |
|                          |            |                                                                                                                                                             |          |              | Fecal Coliform                                             | 50120           |
| Shute Brook              | MA93-49    | Approximately 350 feet downstream from Central Street, Saugus to the confluence with the Saugus River, Saugus.                                              | 0.007    | SQUARE MILES | Fecal Coliform                                             | 50121           |
| Shute Brook              | MA93-50    | From the confluence of Fiske Brook, Saugus to approximately 350 feet downstream from Central Street, Saugus.                                                | 0.892    | MILES        | Fecal Coliform                                             | 50120           |
| Waters River             | MA93-01    | Headwaters west of Route 128, Peabody/Danvers, to confluence with Danvers River, Danvers.                                                                   | 0.09     | SQUARE MILES | Fecal Coliform                                             | 50121           |
| <b>Quinebaug</b>         |            |                                                                                                                                                             |          |              |                                                            |                 |
| East Brimfield Reservoir | MA41014    | Brimfield/Sturbridge                                                                                                                                        | 313      | ACRES        | (Non-Native Aquatic Plants*)                               |                 |
|                          |            |                                                                                                                                                             |          |              | Mercury in Fish Tissue                                     | 33880           |
| Holland Pond             | MA41022    | Holland                                                                                                                                                     | 66       | ACRES        | Mercury in Fish Tissue                                     | 33880           |
| <b>Shawsheen</b>         |            |                                                                                                                                                             |          |              |                                                            |                 |
| Kiln Brook               | MA83-10    | Outlet unnamed pond (in Pine Meadows Country Club), Lexington, to confluence with Shawsheen River, Bedford.                                                 | 1.54     | MILES        | Fecal Coliform                                             | 2587            |
| Long Meadow Brook        | MA83-11    | Wetland east of Lexington Street and north of Independence Drive, Burlington, to confluence with Vine Brook, Burlington.                                    | 1.284976 | MILES        | Fecal Coliform                                             | 2587            |
| Sandy Brook              | MA83-13    | Headwaters north of Bedford Street and east of Fairfax Street to confluence with Vine Brook, Burlington.                                                    | 1.155097 | MILES        | Fecal Coliform                                             | 2587            |
| Spring Brook             | MA83-14    | Wetland northeast of Route 3 Billerica, to confluence with Shawsheen River, Bedford.                                                                        | 2.548839 | MILES        | Fecal Coliform                                             | 2587            |
| Strong Water Brook       | MA83-07    | Headwaters northeast of Long Pond, Tewksbury to confluence with Shawsheen River, Tewksbury.                                                                 | 4.942    | MILES        | Fecal Coliform                                             | 2587            |
| Vine Brook               | MA83-06    | Headwaters (southeast of Granny Hill) near Grant Street, Lexington to confluence with Shawsheen River, Bedford.                                             | 6.846    | MILES        | Fecal Coliform                                             | 2587            |
| <b>South Coastal</b>     |            |                                                                                                                                                             |          |              |                                                            |                 |
| Aaron River Reservoir    | MA94178    | Cohasset/Hingham/Scituate                                                                                                                                   | 136.13   | ACRES        | (Fish-Passage Barrier*)                                    |                 |
|                          |            |                                                                                                                                                             |          |              | Mercury in Fish Tissue                                     | 33880           |
| Great Herring Pond       | MA94050    | Bourne/Plymouth                                                                                                                                             | 414.699  | ACRES        | Mercury in Fish Tissue                                     | 33880           |
| Great South Pond         | MA94054    | Plymouth                                                                                                                                                    | 284.299  | ACRES        | Mercury in Fish Tissue                                     | 33880           |
| Little Harbor            | MA94-20    | Cove south of Nichols Road, west of Atlantic Avenue, and north of Cohasset center, Cohasset                                                                 | 0.24     | SQUARE MILES | Fecal Coliform                                             | 2586            |
| <b>Taunton</b>           |            |                                                                                                                                                             |          |              |                                                            |                 |
| Assonet River            | MA62-20    | From Tisdale Dam (north of Route 79/Elm Street intersection), Freetown to the confluence with the Taunton River, Freetown.                                  | 0.815    | SQUARE MILES | Fecal Coliform                                             | 40309           |



## Massachusetts Category 4a Waters "TMDL is completed"

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                          | SIZE    | UNITS        | POLLUTANTS ADDRESSED BY TMDL | EPA TMDL NUMBER |
|---------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|------------------------------|-----------------|
| Beaver Brook        | MA62-09    | Outlet Cleveland Pond, Abington to the confluence with the Salisbury Plain River (forming Matfield River), East Bridgewater.                                         | 6.817   | MILES        | Fecal Coliform               | 40308           |
| Broad Cove          | MA62-50    | Dighton/Somerset (formerly reported as lake segment MA62022).                                                                                                        | 0.126   | SQUARE MILES | Fecal Coliform               | 40309           |
| Lake Nippenicket    | MA62131    | Bridgewater/Raynham                                                                                                                                                  | 375.001 | ACRES        | (Non-Native Aquatic Plants*) |                 |
|                     |            |                                                                                                                                                                      |         |              | Mercury in Fish Tissue       | 33880           |
| Meadow Brook        | MA62-38    | Headwaters north of Pine Street, Whitman (through Forge Pond, East Bridgewater) to the confluence with the Matfield River, East Bridgewater.                         | 6.009   | MILES        | Fecal Coliform               | 40308           |
| Monponsett Pond     | MA62218    | [East Basin] Halifax                                                                                                                                                 | 244.567 | ACRES        | (Non-Native Aquatic Plants*) |                 |
|                     |            |                                                                                                                                                                      |         |              | Mercury in Fish Tissue       | 33880           |
| Muddy Cove Brook    | MA62-51    | From the outlet of the small impoundment behind 333 Main Street (Zeneca Inc.), Dighton to confluence with Taunton River, Dighton (formerly part of MA62-23).         | 0.008   | SQUARE MILES | Fecal Coliform               | 40309           |
| Segreganset River   | MA62-55    | From approximately 250 feet north of Brook Street, Dighton to confluence with the Taunton River, Dighton (formerly part of segment MA62-18).                         | 0.02    | SQUARE MILES | Fecal Coliform               | 40309           |
| Somerset Reservoir  | MA62174    | Somerset                                                                                                                                                             | 164.334 | ACRES        | Mercury in Fish Tissue       | 33880           |
| Taunton River       | MA62-02    | Route 24 bridge, Taunton/Raynham to Berkley Bridge, Dighton/Berkley.                                                                                                 | 0.287   | SQUARE MILES | Fecal Coliform               | 40310           |
| Three Mile River    | MA62-56    | Confluence of Wading and Rumford rivers, Norton to impoundment spillway behind 66 South Street (Harodite Finishing Co.), Taunton (formerly part of segment MA62-16). | 12.812  | MILES        | Fecal Coliform               | 40308           |
| Three Mile River    | MA62-57    | Impoundment spillway behind 66 South Street (Harodite Finishing Co.), Taunton to confluence with Taunton River, Taunton/Dighton (formerly part of segment MA62-16).  | 0.022   | SQUARE MILES | Fecal Coliform               | 40310           |
| Wading River        | MA62-49    | Balcolm Street, Mansfield to confluence with Threemile River, Norton (formerly part of segment MA62-17).                                                             | 9.668   | MILES        | Fecal Coliform               | 40308           |
| <b>Ten Mile</b>     |            |                                                                                                                                                                      |         |              |                              |                 |
| Whiting Pond        | MA52042    | North Attleborough/Plainville                                                                                                                                        | 23.582  | ACRES        | Mercury in Fish Tissue       | 33880           |
| <b>Westfield</b>    |            |                                                                                                                                                                      |         |              |                              |                 |
| Buckley-Dunton Lake | MA32013    | Becket                                                                                                                                                               | 153.635 | ACRES        | Mercury in Fish Tissue       | 42411           |



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## **Massachusetts Category 4b Waters**

### **"Impairment controlled by alternative pollution control requirements"**

According to the EPA guidance, Category 4b lists waters impaired by one or more pollutants; however, pollution control measures other than TMDLs are expected to attain all designated uses. Massachusetts is not including any waters in Category 4b for the 2014 listing cycle.



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## Massachusetts Category 4c Waters

### "Impairment not caused by a pollutant – TMDL not required"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                               | SIZE | UNITS | IMPAIRMENT CAUSE                                                                 |
|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------------------------------------------------------------------------|
| <b>Blackstone</b>    |            |                                                                                                                                                                                                                                           |      |       |                                                                                  |
| Coes Reservoir       | MA51024    | Worcester                                                                                                                                                                                                                                 | 87   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Dark Brook Reservoir | MA51035    | [South Basin] Auburn                                                                                                                                                                                                                      | 58   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Dark Brook Reservoir | MA51036    | [North Basin] Auburn                                                                                                                                                                                                                      | 171  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Girard Pond          | MA51053    | Sutton                                                                                                                                                                                                                                    | 2    | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Howe Reservoirs      | MA51070    | [East Basin] Millbury                                                                                                                                                                                                                     | 2    | ACRES | (Low flow alterations*)<br>(Non-Native Aquatic Plants*)                          |
| Ironstone Reservoir  | MA51074    | Uxbridge                                                                                                                                                                                                                                  | 28   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Jenks Reservoir      | MA51075    | Bellingham                                                                                                                                                                                                                                | 26   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Mill Pond            | MA51104    | Upton                                                                                                                                                                                                                                     | 10   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Miscoe Lake          | MA51106    | Wrentham (size indicates portion in Massachusetts)                                                                                                                                                                                        | 5    | ACRES | (Non-Native Aquatic Plants*)                                                     |
| North Pond           | MA51112    | Hopkinton/Milford                                                                                                                                                                                                                         | 213  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Pratt Pond           | MA51123    | Upton                                                                                                                                                                                                                                     | 39   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Quinsigamond River   | MA51-09    | Outlet Flint Pond, Grafton to confluence with Blackstone River, Grafton (excluding Lake Ripple segment MA51135) (segment includes all of Hovey Pond formerly segment MA51068 and a portion of Fisherville Pond formerly segment MA51048). | 5.2  | MILES | (Non-Native Aquatic Plants*)<br>(Eurasian Water Milfoil, Myriophyllum spicatum*) |
| Riverlin Street Pond | MA51137    | Millbury                                                                                                                                                                                                                                  | 2    | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Rivulet Pond         | MA51138    | Uxbridge                                                                                                                                                                                                                                  | 4    | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Sibley Reservoir     | MA51148    | Sutton                                                                                                                                                                                                                                    | 25   | ACRES | (Low flow alterations*)                                                          |
| Silver Lake          | MA51150    | Bellingham                                                                                                                                                                                                                                | 42   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Silver Lake          | MA51151    | Grafton                                                                                                                                                                                                                                   | 25   | ACRES | (Low flow alterations*)                                                          |
| Singletary Pond      | MA51152    | Sutton/Millbury                                                                                                                                                                                                                           | 342  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Stevens Pond         | MA51159    | Sutton                                                                                                                                                                                                                                    | 85   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Swans Pond           | MA51164    | Sutton/Northbridge                                                                                                                                                                                                                        | 32   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Taft Pond            | MA51165    | Upton                                                                                                                                                                                                                                     | 11   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Tinker Hill Pond     | MA51167    | Auburn                                                                                                                                                                                                                                    | 37   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Tuckers Pond         | MA51169    | Sutton                                                                                                                                                                                                                                    | 26   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Whitins Pond         | MA51180    | Northbridge/Sutton                                                                                                                                                                                                                        | 162  | ACRES | (Non-Native Aquatic Plants*)                                                     |



## Massachusetts Category 4c Waters "Impairment not caused by a pollutant – TMDL not required"

| NAME                                      | SEGMENT ID | DESCRIPTION                                                                                                                    | SIZE    | UNITS | IMPAIRMENT CAUSE                                                                 |
|-------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------------------------------------------------------------------------------|
| <b>Boston Harbor: Mystic</b>              |            |                                                                                                                                |         |       |                                                                                  |
| Hills Pond                                | MA71018    | Arlington                                                                                                                      | 2       | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| <b>Boston Harbor: Neponset</b>            |            |                                                                                                                                |         |       |                                                                                  |
| Billings Street/East Street Pond          | MA73065    | Sharon                                                                                                                         | 2       | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Clark Pond                                | MA73008    | Walpole                                                                                                                        | 7       | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Ellis Pond                                | MA73018    | Norwood                                                                                                                        | 17      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Farrington Pond                           | MA73040    | Stoughton                                                                                                                      | 3       | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Glen Echo Pond                            | MA73022    | Canton/Stoughton                                                                                                               | 16      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Jewells Pond                              | MA73026    | Medfield                                                                                                                       | 4       | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Pinewood Pond                             | MA73039    | Stoughton                                                                                                                      | 25      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Plantingfield Brook                       | MA73-23    | Headwaters east of Thatcher Street, Westwood, to the confluence with Purgatory Brook, Norwood.                                 | 1.8     | MILES | (Low flow alterations*)                                                          |
| Town Pond                                 | MA73056    | Stoughton                                                                                                                      | 8       | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Turner Pond                               | MA73058    | Walpole                                                                                                                        | 18      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Woods Pond                                | MA73055    | Stoughton                                                                                                                      | 14      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| <b>Boston Harbor: Weymouth &amp; Weir</b> |            |                                                                                                                                |         |       |                                                                                  |
| Accord Brook                              | MA74-17    | From water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham to inlet Triphammer Pond, Hingham. | 1.8     | MILES | (Low flow alterations*)                                                          |
| Sunset Lake                               | MA74020    | Braintree                                                                                                                      | 58      | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| <b>Buzzards Bay</b>                       |            |                                                                                                                                |         |       |                                                                                  |
| Federal Pond                              | MA95055    | Carver/Plymouth                                                                                                                | 125.041 | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Fresh Meadow Pond                         | MA95174    | Carver/Plymouth                                                                                                                | 59.381  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Mill Pond                                 | MA95105    | Wareham                                                                                                                        | 148.573 | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Tremont Mill Pond                         | MA95150    | Wareham                                                                                                                        | 30.664  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| <b>Cape Cod</b>                           |            |                                                                                                                                |         |       |                                                                                  |
| Long Pond                                 | MA96184    | Barnstable                                                                                                                     | 48      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| <b>Charles</b>                            |            |                                                                                                                                |         |       |                                                                                  |
| Beaver Pond                               | MA72006    | Franklin                                                                                                                       | 31.789  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Dug Pond                                  | MA72034    | Natick                                                                                                                         | 50.191  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Kingsbury Pond                            | MA72056    | Norfolk                                                                                                                        | 15.36   | ACRES | (Low flow alterations*)                                                          |
| Lake Archer                               | MA72002    | Wrentham                                                                                                                       | 77.118  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Lake Waban                                | MA72125    | Wellesley                                                                                                                      | 108.997 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |



## Massachusetts Category 4c Waters "Impairment not caused by a pollutant – TMDL not required"

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                    | SIZE    | UNITS | IMPAIRMENT CAUSE                                                                 |
|---------------------------|------------|----------------------------------------------------------------------------------------------------------------|---------|-------|----------------------------------------------------------------------------------|
| Morses Pond               | MA72079    | Wellesley/Natick                                                                                               | 111.817 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Noannet Pond              | MA72084    | Westwood/Dover                                                                                                 | 49.71   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Nonesuch Pond             | MA72085    | Natick/Weston                                                                                                  | 38.78   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Scarboro Golf Course Pond | MA72107    | Boston                                                                                                         | 6.107   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Unnamed Tributary         | MA72-27    | Headwaters, outlet Stony Brook Reservoir, Waltham/Weston to confluence with the Charles River, Waltham/Weston. | 0.191   | MILES | (Low flow alterations*)<br>(Other flow regime alterations*)                      |
| <b>Chicopee</b>           |            |                                                                                                                |         |       |                                                                                  |
| Beaver Lake               | MA36010    | Ware                                                                                                           | 150     | ACRES | (Non-Native Aquatic Plants*)<br>(Eurasian Water Milfoil, Myriophyllum spicatum*) |
| Brooks Pond               | MA36023    | N.Brookfield/New Braintree/Spencer/Oakham                                                                      | 179     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Dean Pond                 | MA36049    | Brimfield/Monson                                                                                               | 10      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Forest Lake               | MA36063    | Palmer                                                                                                         | 45      | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Hardwick Pond             | MA36066    | Hardwick                                                                                                       | 67      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Lake Lorraine             | MA36084    | Springfield                                                                                                    | 28      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Long Pond                 | MA36082    | Rutland                                                                                                        | 167     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Moosehorn Pond            | MA36097    | Hubbardston                                                                                                    | 67      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Old Reservoir             | MA36114    | Barre                                                                                                          | 37      | ACRES | (Other flow regime alterations*)                                                 |
| Turkey Hill Pond          | MA36157    | Rutland/Paxton                                                                                                 | 90      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| <b>Concord (SuAsCo)</b>   |            |                                                                                                                |         |       |                                                                                  |
| Bartlett Pond             | MA82007    | Northborough                                                                                                   | 51.815  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Batemans Pond             | MA82008    | Concord                                                                                                        | 25.69   | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Chauncy Lake              | MA82017    | Westborough                                                                                                    | 173.313 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Fisk Pond                 | MA82038    | Natick                                                                                                         | 61.757  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Framingham Reservoir #3   | MA82046    | Framingham                                                                                                     | 221.244 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Great Meadows Pond #3     | MA82053    | Concord                                                                                                        | 53      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Little Chauncy Pond       | MA82070    | Northborough                                                                                                   | 43.338  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Meadow Pond               | MA82129    | Carlisle                                                                                                       | 12.354  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Mill Brook                | MA82A-20   | From the outlet of Crosby Pond, Concord to the confluence with the Concord River, Concord.                     | 2.694   | MILES | (Habitat Assessment (Streams*))                                                  |



## Massachusetts Category 4c Waters "Impairment not caused by a pollutant – TMDL not required"

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                        | SIZE    | UNITS | IMPAIRMENT CAUSE                                                                    |
|--------------------------|------------|----------------------------------------------------------------------------------------------------|---------|-------|-------------------------------------------------------------------------------------|
| North Great Meadows      | MA82084    | Concord                                                                                            | 73.479  | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Rocky Pond               | MA82095    | Boylston                                                                                           | 61.83   | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Russell Millpond         | MA82096    | Chelmsford                                                                                         | 32.9    | ACRES | (Other flow regime alterations*)<br>(Non-Native Aquatic Plants*)                    |
| Winning Pond             | MA82123    | Billerica                                                                                          | 22.216  | ACRES | (Eurasian Water Milfoil,<br>Myriophyllum spicatum*)                                 |
| <b>Connecticut</b>       |            |                                                                                                    |         |       |                                                                                     |
| Cranberry Pond           | MA34018    | Sunderland                                                                                         | 28.146  | ACRES | (Eurasian Water Milfoil,<br>Myriophyllum spicatum*)                                 |
| Ingraham Brook Pond      | MA34037    | Granby                                                                                             | 4.623   | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Lake Bray                | MA34013    | Holyoke                                                                                            | 10.301  | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Lake Holland             | MA34035    | Belchertown                                                                                        | 10.552  | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Lower Mill Pond          | MA34048    | Easthampton                                                                                        | 29.641  | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Lower Van Horn Park Pond | MA34129    | Springfield                                                                                        | 11.13   | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Oxbow Cutoff             | MA34067    | The waterbody north of Island Road and south of Oxbow Road (between Routes 91 and 5), Northampton. | 48.805  | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Whiting Street Reservoir | MA34101    | Holyoke                                                                                            | 102.438 | ACRES | (Eurasian Water Milfoil,<br>Myriophyllum spicatum*)                                 |
| <b>Deerfield</b>         |            |                                                                                                    |         |       |                                                                                     |
| Tannery Pond             | MA33020    | Savoy                                                                                              | 0.523   | ACRES | (Low flow alterations*)                                                             |
| <b>Farmington</b>        |            |                                                                                                    |         |       |                                                                                     |
| Benton Pond              | MA31003    | Otis                                                                                               | 61.428  | ACRES | (Eurasian Water Milfoil,<br>Myriophyllum spicatum*)                                 |
| Noyes Pond               | MA31026    | Tolland                                                                                            | 166.019 | ACRES | (Non-Native Aquatic Plants*)                                                        |
| <b>French</b>            |            |                                                                                                    |         |       |                                                                                     |
| Bouchard Pond            | MA42003    | Leicester                                                                                          | 2       | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Buffum Pond              | MA42004    | Charlton/Oxford                                                                                    | 23      | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Low Pond                 | MA42033    | Dudley                                                                                             | 4       | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Packard Pond             | MA42040    | Dudley                                                                                             | 6       | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Sargent Pond             | MA42049    | Leicester                                                                                          | 65      | ACRES | (Non-Native Aquatic Plants*)                                                        |
| Webster Lake             | MA42064    | Webster                                                                                            | 1275    | ACRES | (Eurasian Water Milfoil,<br>Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| <b>Housatonic</b>        |            |                                                                                                    |         |       |                                                                                     |
| Ashmere Lake             | MA21005    | Hinsdale/Peru                                                                                      | 293.502 | ACRES | (Eurasian Water Milfoil,<br>Myriophyllum spicatum*)                                 |



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| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                       | SIZE    | UNITS | IMPAIRMENT CAUSE                                                                 |
|--------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------------------------------------------------------------------------------|
| Goose Pond         | MA21043    | Lee/Tyringham                                                                                                                                                     | 237.942 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Greenwater Pond    | MA21044    | Becket                                                                                                                                                            | 88.73   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Hubbard Brook      | MA21-15    | Source, northwest of Townhouse Hill Road, Egremont to confluence with the Housatonic River, Sheffield (thru Mill Pond formerly reported as segment MA21068).      | 9.375   | MILES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Karner Brook       | MA21-16    | Headwaters east of East Street, Mount Washington to the inlet of Mill Pond, Egremont.                                                                             | 4.664   | MILES | (Low flow alterations*)                                                          |
| Lake Averic        | MA21006    | Stockbridge                                                                                                                                                       | 41.962  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Long Pond          | MA21062    | Great Barrington                                                                                                                                                  | 114.398 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Long Pond Brook    | MA21-14    | Outlet of Long Pond, Great Barrington to the confluence with Seekonk Brook, Great Barrington.                                                                     | 2.047   | MILES | (Low flow alterations*)                                                          |
| Mansfield Pond     | MA21065    | Great Barrington                                                                                                                                                  | 27.783  | ACRES | (Non-Native Aquatic Plants*)<br>(Eurasian Water Milfoil, Myriophyllum spicatum*) |
| Onota Lake         | MA21078    | Pittsfield                                                                                                                                                        | 662.202 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Plunkett Reservoir | MA21082    | Hinsdale                                                                                                                                                          | 71.567  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Prospect Lake      | MA21084    | Egremont                                                                                                                                                          | 58.619  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Richmond Pond      | MA21088    | Richmond/Pittsfield                                                                                                                                               | 227.905 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Shaker Mill Pond   | MA21094    | West Stockbridge                                                                                                                                                  | 27      | ACRES | (Non-Native Aquatic Plants*)<br>(Eurasian Water Milfoil, Myriophyllum spicatum*) |
| Stevens Pond       | MA21104    | Monterey                                                                                                                                                          | 38.771  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Thousand Acre Pond | MA21106    | New Marlborough                                                                                                                                                   | 144.801 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Unnamed Tributary  | MA21-31    | Unnamed tributary to the Housatonic River, locally known as "Laurel Brook", from the outlet of Laurel Lake, Lee to the confluence with the Housatonic River, Lee. | 0.8     | MILES | (Zebra mussel, Dreissena polymorph*)                                             |
| Upper Goose Pond   | MA21110    | Lee/Tyringham                                                                                                                                                     | 55.337  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |



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### "Impairment not caused by a pollutant – TMDL not required"

| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                             | SIZE     | UNITS | IMPAIRMENT CAUSE                                                                               |
|-------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------|----------|-------|------------------------------------------------------------------------------------------------|
| Willard Brook                 | MA21-30    | Headwaters north of Salisbury Road, Sheffield to the confluence with Hubbard Brook, Sheffield                           | 4.022    | MILES | (Eurasian Water Milfoil, <i>Myriophyllum spicatum</i> *)                                       |
| Windsor Brook                 | MA21-09    | Source, southeast of Fobes Hill (west of Savory Road/Route 8A), Windsor to the Windsor Reservoir, Windsor.              | 6.11     | MILES | (Low flow alterations*)                                                                        |
| <b>Hudson: Hoosic</b>         |            |                                                                                                                         |          |       |                                                                                                |
| Berkshire Pond                | MA11001    | Lanesborough                                                                                                            | 21.426   | ACRES | (Eurasian Water Milfoil, <i>Myriophyllum spicatum</i> *)                                       |
| Tophet Brook                  | MA11-19    | Source west of Burnett Road, Savoy (in the Savoy Mountain State Forest) to the confluence with the Hoosic River, Adams. | 6.151    | MILES | (Alteration in stream-side or littoral vegetative covers*)<br>(Other flow regime alterations*) |
| <b>Ipswich</b>                |            |                                                                                                                         |          |       |                                                                                                |
| Field Pond                    | MA92019    | Andover                                                                                                                 | 56.706   | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| Lower Boston Brook Pond       | MA92031    | Middleton                                                                                                               | 9.333    | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| Lower Four Mile Pond          | MA92032    | Boxford                                                                                                                 | 18.426   | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| Lubber Pond East              | MA92035    | Wilmington                                                                                                              | 6.237    | ACRES | (Non-Native Aquatic Plants*)<br>(Sedimentation/Siltation*)                                     |
| Lubber Pond West              | MA92036    | Wilmington                                                                                                              | 9.561    | ACRES | (Non-Native Aquatic Plants*)<br>(Sedimentation/Siltation*)                                     |
| Maple Meadow Brook            | MA92-04    | Outlet of Mill Pond, Burlington to confluence with Lubbers Brook, Wilmington.                                           | 4.197642 | MILES | (Low flow alterations*)                                                                        |
| Stevens Pond                  | MA92062    | Boxford                                                                                                                 | 11.054   | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| <b>Merrimack</b>              |            |                                                                                                                         |          |       |                                                                                                |
| Cobbler Brook                 | MA84A-22   | Headwaters, Merrimack to confluence with Merrimack River, Merrimack.                                                    | 4.4      | MILES | (Debris/Floatables/Trash*)                                                                     |
| Lake Mascuppic                | MA84037    | Tyngsborough/Dracut                                                                                                     | 210      | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| <b>Millers</b>                |            |                                                                                                                         |          |       |                                                                                                |
| White Pond                    | MA35098    | Athol                                                                                                                   | 62.629   | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| <b>Mount Hope Bay (Shore)</b> |            |                                                                                                                         |          |       |                                                                                                |
| Cole River                    | MA61-03    | Wood Street, Swansea to Route 6, Swansea                                                                                | 1.6      | MILES | (Fish-Passage Barrier*)                                                                        |
| Quequechan River              | MA61-05    | Outlet South Watuppa Pond, Fall River to confluence with the Taunton River/Mount Hope Bay (at Braga Bridge), Fall River | 2.4      | MILES | (Habitat Assessment (Streams)*)                                                                |
| <b>Nashua</b>                 |            |                                                                                                                         |          |       |                                                                                                |
| Chaffin Pond                  | MA81017    | Holden                                                                                                                  | 90       | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| Dawson Pond                   | MA81028    | Holden                                                                                                                  | 22       | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| Eagle Lake                    | MA81034    | Holden                                                                                                                  | 56       | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| Flannagan Pond                | MA81044    | Ayer                                                                                                                    | 80       | ACRES | (Non-Native Aquatic Plants*)                                                                   |
| Lake Samoset                  | MA81116    | Leominster                                                                                                              | 35       | ACRES | (Non-Native Aquatic Plants*)                                                                   |





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| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                                              | SIZE   | UNITS | IMPAIRMENT CAUSE                                                                 |
|----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------------------------------------------------------------------------------|
| Lake Whalom                | MA81154    | Lunenburg/Leominster                                                                                                                                                                                     | 96     | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)<br>(Non-Native Aquatic Plants*) |
| Paradise Pond              | MA81097    | Princeton                                                                                                                                                                                                | 61     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Quinapoxet River           | MA81-32    | Outlet Quinapoxet Reservoir, Holden to inlet of Wachusett Reservoir (Thomas Basin), West Boylston.                                                                                                       | 7.9    | MILES | (Low flow alterations*)                                                          |
| Robbins Pond               | MA81111    | Harvard                                                                                                                                                                                                  | 11     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Sawmill Pond               | MA81118    | Fitchburg/Westminster                                                                                                                                                                                    | 65     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Stuart Pond                | MA81137    | Sterling                                                                                                                                                                                                 | 42     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Stump Pond                 | MA81171    | Holden                                                                                                                                                                                                   | 27     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Unionville Pond            | MA81143    | Holden                                                                                                                                                                                                   | 19     | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| White Pond                 | MA81155    | Lancaster/Leominster                                                                                                                                                                                     | 47     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Wyman Pond                 | MA81161    | Westminster                                                                                                                                                                                              | 198    | ACRES | (Non-Native Aquatic Plants*)                                                     |
| <b>North Coastal</b>       |            |                                                                                                                                                                                                          |        |       |                                                                                  |
| Cedar Pond                 | MA93013    | Peabody                                                                                                                                                                                                  | 34.029 | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Days Pond                  | MA93092    | Gloucester                                                                                                                                                                                               | 0.516  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Edgewater Office Park Pond | MA93094    | Wakefield                                                                                                                                                                                                | 14.563 | ACRES | (Non-Native Aquatic Plants*)                                                     |
| First Pond                 | MA93081    | Saugus (also known as Upper Griswold Pond).                                                                                                                                                              | 4.214  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Griswold Pond              | MA93029    | Saugus                                                                                                                                                                                                   | 12.972 | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Sluice Pond                | MA93071    | Lynn                                                                                                                                                                                                     | 41.514 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                                 |
| Spring Pond                | MA93072    | Saugus                                                                                                                                                                                                   | 8.183  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Swains Pond                | MA93095    | Melrose                                                                                                                                                                                                  | 2.978  | ACRES | (Non-Native Aquatic Plants*)                                                     |
| <b>Parker</b>              |            |                                                                                                                                                                                                          |        |       |                                                                                  |
| Parker River               | MA91-01    | Source north of Silver Mine Road, Boxford to Central Street, Newbury (excluding Sperry Pond segment MA91013, Rock Pond segment MA91012, Pentucket Pond segment MA91010, and Crane Pond segment MA91004). | 12.3   | MILES | (Low flow alterations*)                                                          |
| State Street Pond          | MA91014    | Newburyport                                                                                                                                                                                              | 4      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| <b>Quinebaug</b>           |            |                                                                                                                                                                                                          |        |       |                                                                                  |
| Cedar Pond                 | MA41008    | Sturbridge                                                                                                                                                                                               | 149    | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Hamilton Reservoir         | MA41019    | Holland (size indicates portion in Massachusetts)                                                                                                                                                        | 386    | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Mill Brook                 | MA41-07    | From inlet of Mill Road Pond (formerly pond segment MA41032), Brimfield to confluence with Quinebaug River, Brimfield.                                                                                   | 4.7    | MILES | (Non-Native Aquatic Plants*)                                                     |
| Railroad Pond              | MA41058    | Charlton                                                                                                                                                                                                 | 7      | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Sherman Pond               | MA41046    | Brimfield                                                                                                                                                                                                | 76     | ACRES | (Non-Native Aquatic Plants*)                                                     |
| Sylvestri Pond             | MA41049    | Dudley                                                                                                                                                                                                   | 30     | ACRES | (Non-Native Aquatic Plants*)                                                     |



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| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                           | SIZE    | UNITS | IMPAIRMENT CAUSE                                        |
|----------------------------|------------|-----------------------------------------------------------------------------------------------------------------------|---------|-------|---------------------------------------------------------|
| Walker Pond                | MA41052    | Sturbridge                                                                                                            | 104     | ACRES | (Non-Native Aquatic Plants*)                            |
| <b>Shawsheen</b>           |            |                                                                                                                       |         |       |                                                         |
| Gravel Pit Pond            | MA83007    | Andover (Hussey Brook Pond East)                                                                                      | 4.585   | ACRES | (Non-Native Aquatic Plants*)                            |
| <b>South Coastal</b>       |            |                                                                                                                       |         |       |                                                         |
| Beaver Dam Pond            | MA94006    | Plymouth                                                                                                              | 29.204  | ACRES | (Non-Native Aquatic Plants*)                            |
| Black Mountain Pond        | MA94009    | Marshfield                                                                                                            | 16.606  | ACRES | (Non-Native Aquatic Plants*)                            |
| Briggs Reservoir           | MA94019    | Plymouth                                                                                                              | 23.901  | ACRES | (Non-Native Aquatic Plants*)                            |
| Briggs Reservoir           | MA94020    | Plymouth                                                                                                              | 16.325  | ACRES | (Non-Native Aquatic Plants*)                            |
| Cooks Pond                 | MA94027    | Plymouth                                                                                                              | 21.237  | ACRES | (Non-Native Aquatic Plants*)                            |
| Eel River                  | MA94-23    | Outlet cranberry bog east of Long Pond Road, Plymouth through Russell Millpond to mouth at Plymouth Harbor, Plymouth. | 3.931   | MILES | (Fish-Passage Barrier*)<br>(Non-Native Aquatic Plants*) |
| Herring Brook              | MA94-29    | Outlet Lily Pond, Cohasset to confluence Aaron River, Cohasset.                                                       | 0.3     | MILES | (Fish-Passage Barrier*)<br>(Non-Native Aquatic Plants*) |
| Island Creek Pond          | MA94073    | Duxbury                                                                                                               | 39.716  | ACRES | (Non-Native Aquatic Plants*)                            |
| Island Pond                | MA94075    | [locally known as Great Island Pond] Plymouth                                                                         | 79.418  | ACRES | (Non-Native Aquatic Plants*)                            |
| Jacobs Pond                | MA94077    | Norwell                                                                                                               | 60.801  | ACRES | (Non-Native Aquatic Plants*)                            |
| Long Island Pond           | MA94088    | Plymouth                                                                                                              | 33.137  | ACRES | (Non-Native Aquatic Plants*)                            |
| Lorings Bogs Pond          | MA94089    | Duxbury                                                                                                               | 32.999  | ACRES | (Non-Native Aquatic Plants*)                            |
| Lower Chandler Pond        | MA94091    | Duxbury/Pembroke                                                                                                      | 37.388  | ACRES | (Non-Native Aquatic Plants*)                            |
| Oldham Pond                | MA94114    | Pembroke/Hanson                                                                                                       | 231.859 | ACRES | (Non-Native Aquatic Plants*)                            |
| Pembroke Street South Pond | MA94117    | Kingston                                                                                                              | 6.246   | ACRES | (Non-Native Aquatic Plants*)                            |
| Reeds Millpond             | MA94126    | Kingston                                                                                                              | 6.248   | ACRES | (Non-Native Aquatic Plants*)                            |
| Reservoir                  | MA94127    | Pembroke                                                                                                              | 16.194  | ACRES | (Other flow regime alterations*)                        |
| Silver Lake                | MA94143    | Pembroke/Plympton/Kingston                                                                                            | 616.668 | ACRES | (Other flow regime alterations*)                        |
| Smelt Pond                 | MA94184    | Kingston                                                                                                              | 44.797  | ACRES | (Non-Native Aquatic Plants*)                            |
| Torrey Pond                | MA94157    | Norwell                                                                                                               | 18.684  | ACRES | (Non-Native Aquatic Plants*)                            |
| Upper Chandler Pond        | MA94165    | Duxbury/Pembroke                                                                                                      | 7.695   | ACRES | (Non-Native Aquatic Plants*)                            |
| <b>Taunton</b>             |            |                                                                                                                       |         |       |                                                         |
| Brockton Reservoir         | MA62023    | Avon                                                                                                                  | 89.399  | ACRES | (Non-Native Aquatic Plants*)                            |
| Carver Pond                | MA62033    | Bridgewater                                                                                                           | 29.309  | ACRES | (Non-Native Aquatic Plants*)                            |
| Cleveland Pond             | MA62042    | Abington                                                                                                              | 96.423  | ACRES | (Non-Native Aquatic Plants*)                            |
| Crocker Pond               | MA62051    | Wrentham                                                                                                              | 17.138  | ACRES | (Non-Native Aquatic Plants*)                            |
| Cushing Pond               | MA62056    | Abington                                                                                                              | 5.727   | ACRES | (Non-Native Aquatic Plants*)                            |
| East Freetown Pond         | MA62063    | Freetown                                                                                                              | 11.051  | ACRES | (Non-Native Aquatic Plants*)                            |
| Fuller Street Pond         | MA62234    | Middleborough/Carver (formerly reported as MA95058)                                                                   | 20.273  | ACRES | (Non-Native Aquatic Plants*)                            |



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| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                     | SIZE     | UNITS | IMPAIRMENT CAUSE                                 |
|-------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|--------------------------------------------------|
| Gavins Pond             | MA62077    | Sharon/Foxborough                                                                                                                                               | 17.607   | ACRES | (Non-Native Aquatic Plants*)                     |
| Gushee Pond             | MA62084    | Raynham                                                                                                                                                         | 26.775   | ACRES | (Non-Native Aquatic Plants*)                     |
| Johnson Pond            | MA62097    | Raynham                                                                                                                                                         | 13.536   | ACRES | (Non-Native Aquatic Plants*)                     |
| Lake Mirimichi          | MA62118    | Plainville/Foxborough                                                                                                                                           | 174.996  | ACRES | (Non-Native Aquatic Plants*)                     |
| Lake Rico               | MA62148    | Taunton                                                                                                                                                         | 187.981  | ACRES | (Non-Native Aquatic Plants*)                     |
| Long Pond               | MA62108    | Lakeville/Freetown                                                                                                                                              | 1741.496 | ACRES | (Non-Native Aquatic Plants*)                     |
| Longwater Pond          | MA62109    | Easton                                                                                                                                                          | 8.188    | ACRES | (Non-Native Aquatic Plants*)                     |
| Lower Porter Pond       | MA62111    | Brockton                                                                                                                                                        | 7.861    | ACRES | (Non-Native Aquatic Plants*)                     |
| Middle Pond             | MA62115    | Taunton                                                                                                                                                         | 25.864   | ACRES | (Non-Native Aquatic Plants*)                     |
| Mount Hope Mill Pond    | MA62122    | Taunton/Dighton (includes Three Mile River Impoundment formerly reported as MA62231).                                                                           | 45.174   | ACRES | (Non-Native Aquatic Plants*)                     |
| Muddy Pond              | MA62125    | Carver                                                                                                                                                          | 61.058   | ACRES | (Non-Native Aquatic Plants*)                     |
| New Pond                | MA62130    | Easton                                                                                                                                                          | 17.727   | ACRES | (Non-Native Aquatic Plants*)                     |
| Richmond Pond           | MA62159    | Taunton                                                                                                                                                         | 5.773    | ACRES | (Non-Native Aquatic Plants*)                     |
| Savery Pond             | MA62167    | Middleborough                                                                                                                                                   | 23.619   | ACRES | (Non-Native Aquatic Plants*)                     |
| Segreganset River       | MA62-53    | Source in wetland north of Glebe Street, Taunton through the Segregansett River Ponds to the Segreganset River Dam, Dighton (formerly part of segment MA62-18). | 7.854    | MILES | (Low flow alterations*)                          |
| Segreganset River       | MA62-54    | From Segreganset River Dam, Dighton to approximately 250 feet north of Brook Street, Dighton (formerly part of segment MA62-18).                                | 0.351    | MILES | (Low flow alterations*)                          |
| Shovelshop Pond         | MA62172    | Easton                                                                                                                                                          | 7.018    | ACRES | (Non-Native Aquatic Plants*)                     |
| Sweets Pond             | MA62185    | Mansfield                                                                                                                                                       | 13.484   | ACRES | (Non-Native Aquatic Plants*)                     |
| Thirtyacre Pond         | MA62190    | Brockton                                                                                                                                                        | 26.277   | ACRES | (Non-Native Aquatic Plants*)                     |
| Turnpike Lake           | MA62198    | Plainville                                                                                                                                                      | 99.029   | ACRES | (Non-Native Aquatic Plants*)                     |
| Upper Porter Pond       | MA62200    | Brockton                                                                                                                                                        | 11.395   | ACRES | (Non-Native Aquatic Plants*)                     |
| Vandys Pond             | MA62112    | (Mcavoy Pond) Foxborough                                                                                                                                        | 8.58     | ACRES | (Non-Native Aquatic Plants*)                     |
| Waldo Lake              | MA62201    | Avon/Brockton                                                                                                                                                   | 72.384   | ACRES | (Non-Native Aquatic Plants*)                     |
| West Meadow Pond        | MA62208    | West Bridgewater                                                                                                                                                | 103.81   | ACRES | (Non-Native Aquatic Plants*)                     |
| Whittenton Impoundment  | MA62228    | Taunton                                                                                                                                                         | 20.05    | ACRES | (Non-Native Aquatic Plants*)                     |
| Winnecunnet Pond        | MA62213    | Norton                                                                                                                                                          | 152.274  | ACRES | (Non-Native Aquatic Plants*)                     |
| <b>Ten Mile</b>         |            |                                                                                                                                                                 |          |       |                                                  |
| Coles Brook             | MA52-11    | Headwaters, Grassie Swamp west of Allens Lane, Rehoboth to inlet Central Pond, Seekonk.                                                                         | 4.181    | MILES | (Low flow alterations*)                          |
| Falls Pond, South Basin | MA52014    | North Attleborough                                                                                                                                              | 49.367   | ACRES | (Non-Native Aquatic Plants*)                     |
| Orrs Pond               | MA52029    | Attleboro                                                                                                                                                       | 57.864   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |



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| NAME             | SEGMENT ID | DESCRIPTION                                                                                                 | SIZE    | UNITS | IMPAIRMENT CAUSE                                 |
|------------------|------------|-------------------------------------------------------------------------------------------------------------|---------|-------|--------------------------------------------------|
| Scotts Brook     | MA52-09    | Headwaters, north of High Street, North Attleborough to confluence with Ten Mile River, North Attleborough. | 2.11    | MILES | (Low flow alterations*)                          |
| <b>Westfield</b> |            |                                                                                                             |         |       |                                                  |
| Blair Pond       | MA32009    | Blandford                                                                                                   | 69.182  | ACRES | (Non-Native Aquatic Plants*)                     |
| Buck Pond        | MA32012    | Westfield                                                                                                   | 22.754  | ACRES | (Non-Native Aquatic Plants*)                     |
| Center Pond      | MA32015    | Becket                                                                                                      | 113.857 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |
| Congamond Lakes  | MA32023    | [South Basin] Southwick                                                                                     | 144.049 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |
| Horse Pond       | MA32043    | Westfield                                                                                                   | 24.284  | ACRES | (Non-Native Aquatic Plants*)                     |
|                  |            |                                                                                                             |         |       | (Eurasian Water Milfoil, Myriophyllum spicatum*) |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                 | SIZE | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------------------------------------------|--------------|
| <b>Blackstone</b> |            |                                                                                                                                                                                                                             |      |       |                                               |              |
| Aldrich Pond      | MA51002    | Sutton                                                                                                                                                                                                                      | 2    | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Aquatic Plants (Macrophytes)                  |              |
| Arcade Pond       | MA51003    | Northbridge                                                                                                                                                                                                                 | 20   | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Excess Algal Growth                           |              |
| Arnolds Brook     | MA51-32    | Perennial portion only, from outlet of unnamed pond at Whitehall Way, Bellingham to confluence with Peters River, Bellingham.                                                                                               | 1.7  | MILES | Escherichia coli                              |              |
| Beaver Brook      | MA51-07    | Outlet of small unnamed impoundment north of Beth Israel School and Flag Street School, Worcester to confluence with Middle River, Worcester. (Includes underground portion)                                                | 2.9  | MILES | (Debris/Floatables/Trash*)                    |              |
|                   |            |                                                                                                                                                                                                                             |      |       | (Fish Kills*)                                 |              |
|                   |            |                                                                                                                                                                                                                             |      |       | (Physical substrate habitat alterations*)     |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Bottom Deposits                               |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Escherichia coli                              |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Taste and Odor                                |              |
| Blackstone River  | MA51-03    | Confluence of Middle River and Mill Brook (downstream of the railroad spur bridge west of Tobias Boland Boulevard), Worcester to Fisherville Dam, Grafton. (through a portion of Fisherville Pond formerly segment MA51048) | 10.4 | MILES | (Debris/Floatables/Trash*)                    |              |
|                   |            |                                                                                                                                                                                                                             |      |       | (Other flow regime alterations*)              |              |
|                   |            |                                                                                                                                                                                                                             |      |       | (Physical substrate habitat alterations*)     |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Ambient Bioassays -- Chronic Aquatic Toxicity |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Escherichia coli                              |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Excess Algal Growth                           |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Fishes Bioassessments                         |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Foam/Flocs/Scum/Oil Slicks                    |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Lead                                          |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Nutrient/Eutrophication Biological Indicators |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Other                                         |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Oxygen, Dissolved                             |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Phosphorus (Total)                            |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Sedimentation/Siltation                       |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Taste and Odor                                |              |
|                   |            |                                                                                                                                                                                                                             |      |       | Turbidity                                     |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME             | SEGMENT ID | DESCRIPTION                                                                                                                                                       | SIZE | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------------------------------------------|--------------|
| Blackstone River | MA51-04    | Fisherville Dam, Grafton to outlet Rice City Pond, Uxbridge. (through Riverdale Impoundment formerly segment MA51136 and Rice City Pond formerly segment MA51131) | 8.8  | MILES | (Other flow regime alterations*)              |              |
|                  |            |                                                                                                                                                                   |      |       | (Physical substrate habitat alterations*)     |              |
|                  |            |                                                                                                                                                                   |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                  |            |                                                                                                                                                                   |      |       | Cadmium                                       |              |
|                  |            |                                                                                                                                                                   |      |       | Copper                                        |              |
|                  |            |                                                                                                                                                                   |      |       | DDT                                           |              |
|                  |            |                                                                                                                                                                   |      |       | Escherichia coli                              |              |
|                  |            |                                                                                                                                                                   |      |       | Excess Algal Growth                           |              |
|                  |            |                                                                                                                                                                   |      |       | Fishes Bioassessments                         |              |
|                  |            |                                                                                                                                                                   |      |       | Lead                                          |              |
|                  |            |                                                                                                                                                                   |      |       | Nutrient/Eutrophication Biological Indicators |              |
|                  |            |                                                                                                                                                                   |      |       | PCB in Fish Tissue                            |              |
|                  |            |                                                                                                                                                                   |      |       | Phosphorus (Total)                            |              |
|                  |            |                                                                                                                                                                   |      |       | Sedimentation/Siltation                       |              |
| Blackstone River | MA51-05    | Outlet Rice City Pond, Uxbridge to the old Water Quality Monitor (at the Conrail Railroad trestle due north of Collins Drive), Millville.                         | 9.1  | MILES | (Other flow regime alterations*)              |              |
|                  |            |                                                                                                                                                                   |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                  |            |                                                                                                                                                                   |      |       | Cadmium                                       |              |
|                  |            |                                                                                                                                                                   |      |       | Copper                                        |              |
|                  |            |                                                                                                                                                                   |      |       | Escherichia coli                              |              |
|                  |            |                                                                                                                                                                   |      |       | Excess Algal Growth                           |              |
|                  |            |                                                                                                                                                                   |      |       | Lead                                          |              |
|                  |            |                                                                                                                                                                   |      |       | Nutrient/Eutrophication Biological Indicators |              |
|                  |            |                                                                                                                                                                   |      |       | Phosphorus (Total)                            |              |
|                  |            |                                                                                                                                                                   |      |       | Polychlorinated biphenyls                     |              |
|                  |            |                                                                                                                                                                   |      |       | Taste and Odor                                |              |
|                  |            |                                                                                                                                                                   |      |       | Total Suspended Solids (TSS)                  |              |
|                  |            |                                                                                                                                                                   |      |       | Turbidity                                     |              |
|                  |            |                                                                                                                                                                   |      |       |                                               |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                       | SIZE | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|--------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------------------------------------------|--------------|
| Blackstone River   | MA51-06    | From the Water Quality Monitor, Millville to the Rhode Island border west of Route 122 (Main St.), Blackstone, MA/(Harris Avenue) North Smithfield RI.                                                                                            | 3.8  | MILES | (Other flow regime alterations*)              |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Cadmium                                       |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Copper                                        |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | DDT                                           |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Lead                                          |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | PCB in Fish Tissue                            |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Phosphorus (Total)                            |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Total Suspended Solids (TSS)                  |              |
| Burncoat Park Pond | MA51012    | Worcester                                                                                                                                                                                                                                         | 6    | ACRES | Aquatic Plants (Macrophytes)                  |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Turbidity                                     |              |
| Cedar Swamp Brook  | MA51-33    | Headwaters, outlet Cedar Swamp, Uxbridge to confluence with Chockalog River, Douglas.                                                                                                                                                             | 0.8  | MILES | Fishes Bioassessments                         |              |
| Coal Mine Brook    | MA51-27    | Perennial portion, from unnamed road approximately 0.2 miles upstream from Plantation Street, Worcester to inlet of Lake Quinsigamond, Worcester.                                                                                                 | 0.4  | MILES | (Fish Kills*)                                 |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Fishes Bioassessments                         |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Sedimentation/Siltation                       |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Temperature, water                            |              |
| Cook Allen Brook   | MA51-28    | Headwaters, outlet Reservoir No. 5, Sutton to inlet Whitins Pond, Northbridge. (excluding Reservoir No. 4, segment MA51128)                                                                                                                       | 2    | MILES | Fishes Bioassessments                         |              |
| Dark Brook         | MA51-16    | Outlet Eddy Pond, Auburn to confluence with Kettle Brook, Auburn. (through Auburn Pond formerly segment MA51004)                                                                                                                                  | 2.8  | MILES | (Non-Native Aquatic Plants*)                  |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  | 2377         |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Chloride                                      |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Escherichia coli                              |              |
| Fish Pond          | MA51047    | Northbridge                                                                                                                                                                                                                                       | 8    | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  |              |
| Hayes Pond         | MA51060    | Grafton                                                                                                                                                                                                                                           | 5    | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  |              |
| Kettle Brook       | MA51-01    | Outlet Kettle Brook Reservoir #1 to the inlet of Leesville Pond, Auburn (excluding the approximately 0.4 miles through Waite Pond segment MA51170) (through former segments: City Pond MA51021, Smiths Pond MA51156, and Stoneville Pond MA51160) | 7    | MILES | (Debris/Floatables/Trash*)                    |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | (Low flow alterations*)                       |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | (Non-Native Aquatic Plants*)                  |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  | 2391         |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Fecal Coliform                                |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Nutrient/Eutrophication Biological Indicators |              |
|                    |            |                                                                                                                                                                                                                                                   |      |       | Turbidity                                     | 2389         |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME          | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                   | SIZE | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|---------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------------------------------------------|--------------|
| Lake Ripple   | MA51135    | Grafton                                                                                                                                                                                                                                       | 47   | ACRES | (Non-Native Aquatic Plants*)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Aquatic Plants (Macrophytes)                  |              |
| Manchaug Pond | MA51091    | Douglas/Sutton                                                                                                                                                                                                                                | 365  | ACRES | (Non-Native Aquatic Plants*)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Mercury in Fish Tissue                        | 42392        |
|               |            |                                                                                                                                                                                                                                               |      |       | Oxygen, Dissolved                             |              |
| Marble Pond   | MA51093    | Sutton                                                                                                                                                                                                                                        | 8    | ACRES | (Non-Native Aquatic Plants*)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Aquatic Plants (Macrophytes)                  |              |
| Middle River  | MA51-02    | Outlet Coes Pond, Worcester to confluence with the unnamed tributary locally known as "Mill Brook" (downstream of the railroad spur bridge west of Tobias Boland Boulevard), Worcester.                                                       | 3.4  | MILES | (Debris/Floatables/Trash*)                    |              |
|               |            |                                                                                                                                                                                                                                               |      |       | (Physical substrate habitat alterations*)     |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Escherichia coli                              |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Nutrient/Eutrophication Biological Indicators |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Other                                         |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Turbidity                                     |              |
| Mill River    | MA51-35    | Outlet North Pond, Milford/Upton to Mendon/Blackstone corporate boundary (through former segments Fiske Millpond MA51049, Mill Pond MA51102, Hopedale Pond MA51065 and Spindleville Pond MA51158) (formerly part of segment MA51-10)          | 11.8 | MILES | (Non-Native Aquatic Plants*)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Aquatic Plants (Macrophytes)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Other                                         |              |
|               |            |                                                                                                                                                                                                                                               |      |       | PCB in Fish Tissue                            |              |
| Mill River    | MA51-36    | From Mendon/Blackstone corporate boundary to MA/RI border in Blackstone, MA (through former segment Harris Pond MA51058) (formerly part of segment MA51-10)                                                                                   | 4.4  | MILES | (Non-Native Aquatic Plants*)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Aquatic Plants (Macrophytes)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Escherichia coli                              |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Other                                         |              |
| Mumford River | MA51-14    | Douglas WWTP discharge, Douglas to confluence with Blackstone River, Uxbridge. (through former segments: Gilboa Pond MA51052, Lackey Pond MA51083, Meadow Pond MA51193, Linwood Pond MA51088, Whittin Pond MA51178, and Caprons Pond MA51014) | 9.6  | MILES | (Low flow alterations*)                       |              |
|               |            |                                                                                                                                                                                                                                               |      |       | (Non-Native Aquatic Plants*)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Aquatic Plants (Macrophytes)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Copper                                        |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Lead                                          |              |
| Number 1 Pond | MA51114    | Sutton                                                                                                                                                                                                                                        | 9    | ACRES | Aquatic Plants (Macrophytes)                  |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Turbidity                                     |              |
| Peters River  | MA51-18    | Outlet Silver Lake, Bellingham to Rhode Island state line, Bellingham.                                                                                                                                                                        | 4    | MILES | Copper                                        |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Escherichia coli                              |              |
|               |            |                                                                                                                                                                                                                                               |      |       | Lead                                          |              |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                       | SIZE | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------------------------------------------|--------------|
| Poor Farm Brook   | MA51-17    | Headwaters, West Boylston to the inlet of Shirley Street Pond, Shrewsbury (through City Farm Pond formerly segment MA51020).                                                                                                      | 3.6  | MILES | (Low flow alterations*)                       |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Sedimentation/Siltation                       |              |
| Riley Pond        | MA51134    | Northbridge                                                                                                                                                                                                                       | 7    | ACRES | Turbidity                                     |              |
| Singletary Brook  | MA51-31    | Headwaters, outlet Singletary Pond, Millbury to confluence with the Blackstone River, Millbury (excluding the approximately 0.4 miles through Brierly Pond segment MA51010).                                                      | 1.5  | MILES | (Non-Native Aquatic Plants*)                  |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  |              |
| Sutton Falls      | MA51163    | Sutton                                                                                                                                                                                                                            | 10   | ACRES | Turbidity                                     |              |
| Tatnuck Brook     | MA51-15    | Outlet Holden Reservoir #2, Holden to inlet of Coes Reservoir, Worcester (through Cook Pond formerly segment MA51027 and Patch Reservoir formerly segment MA51118).                                                               | 3.3  | MILES | (Debris/Floatables/Trash*)                    |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | (Non-Native Aquatic Plants*)                  |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | (Other flow regime alterations*)              |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Sedimentation/Siltation                       |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Turbidity                                     |              |
| Unnamed Tributary | MA51-08    | (Also known as "Mill Brook") Outlet Indian Lake, Worcester to confluence with Middle River (downstream of the railroad spur bridge west of Tobias Boland Boulevard), Worcester (through Salisbury Pond formerly segment MA51142). | 5.6  | MILES | (Debris/Floatables/Trash*)                    |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | (Physical substrate habitat alterations*)     |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Ammonia (Un-ionized)                          |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  | 2319         |
|                   |            |                                                                                                                                                                                                                                   |      |       | Fecal Coliform                                |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Foam/Flocs/Scum/Oil Slicks                    |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Nutrient/Eutrophication Biological Indicators |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Other                                         |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Sedimentation/Siltation                       |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Taste and Odor                                |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Turbidity                                     | 2319         |
| Unnamed Tributary | MA51-20    | From the outlet of Leesville Pond, Worcester to the confluence with the Middle River, Worcester (through Curtis ponds formerly reported as segments MA51033 and MA51032).                                                         | 1.4  | MILES | (Debris/Floatables/Trash*)                    |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | (Low flow alterations*)                       |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | (Non-Native Aquatic Plants*)                  |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  | 360          |
|                   |            |                                                                                                                                                                                                                                   |      |       | Aquatic Plants (Macrophytes)                  | 361          |
|                   |            |                                                                                                                                                                                                                                   |      |       | Fecal Coliform                                |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Nutrient/Eutrophication Biological Indicators |              |
|                   |            |                                                                                                                                                                                                                                   |      |       | Sedimentation/Siltation                       |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                      | SIZE  | UNITS        | IMPAIRMENT CAUSE                                                                                                                                                  | EPA TMDL NO. |
|-------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Unnamed Tributary             | MA51-38    | Unnamed tributary to Dark Brook, from perennial portion near the Route 90, 290EB, 395SB, 12NB interchange, Auburn to the confluence with Dark Brook, south of Water Street, Auburn (sections culverted).                                                                                                         | 0.8   | MILES        | Chloride                                                                                                                                                          |              |
| Welsh Pond                    | MA51176    | Sutton                                                                                                                                                                                                                                                                                                           | 8     | ACRES        | (Non-Native Aquatic Plants*)<br>Aquatic Plants (Macrophytes)                                                                                                      |              |
| West River                    | MA51-11    | Outlet Silver Lake, Grafton to Upton WWTP discharge, Upton (through Lake Wildwood formerly segment MA51181).                                                                                                                                                                                                     | 3.8   | MILES        | (Non-Native Aquatic Plants*)<br>pH, Low                                                                                                                           |              |
| West River                    | MA51-12    | Upton WWTP discharge, Upton to confluence with Blackstone River, Uxbridge (through former segments Harrington Pool MA51197, and West River Pond MA51177).                                                                                                                                                        | 9.3   | MILES        | (Non-Native Aquatic Plants*)<br>Aquatic Plants (Macrophytes)<br>Cadmium<br>Chloride<br>Copper<br>Lead<br>Nutrient/Eutrophication Biological Indicators<br>pH, Low |              |
| Woodbury Pond                 | MA51185    | Sutton                                                                                                                                                                                                                                                                                                           | 5     | ACRES        | (Non-Native Aquatic Plants*)<br>Aquatic Plants (Macrophytes)                                                                                                      |              |
| Woolshop Pond                 | MA51186    | Millbury                                                                                                                                                                                                                                                                                                         | 5     | ACRES        | (Non-Native Aquatic Plants*)<br>Aquatic Plants (Macrophytes)<br>Turbidity                                                                                         |              |
| <b>Boston Harbor (Proper)</b> |            |                                                                                                                                                                                                                                                                                                                  |       |              |                                                                                                                                                                   |              |
| Boston Harbor                 | MA70-01    | The area defined by a line from the southerly tip of Deer Island to Boston Lighthouse on Little Brewster Island, then south to Point Allerton; across Hull and West guts; across the mouths of Quincy and Dorchester bays, Boston Inner Harbor and Winthrop Bay (including President Roads and Nantasket Roads). | 18.59 | SQUARE MILES | Fecal Coliform<br>Other<br>PCB in Fish Tissue                                                                                                                     |              |
| Boston Inner Harbor           | MA70-02    | From the Mystic and Chelsea rivers, Chelsea/Boston, to the line between Governors Island and Fort Independence, Boston (East Boston) (including Fort Point, Reserved and Little Mystic channels).                                                                                                                | 2.56  | SQUARE MILES | Enterococcus<br>Fecal Coliform<br>Other<br>Oxygen, Dissolved<br>PCB in Fish Tissue                                                                                |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME           | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SIZE | UNITS        | IMPAIRMENT CAUSE             | EPA TMDL NO. |
|----------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------------------------------|--------------|
| Dorchester Bay | MA70-03    | From the mouth of the Neponset River, Boston/Quincy to the line between Head Island and the north side of Thompson Island and the line between the south point of Thompson Island, Boston and Chapel Rocks, Quincy.                                                                                                                                                                                                                                          | 3.46 | SQUARE MILES | Enterococcus                 |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Fecal Coliform               |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Other                        |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue           |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Total Suspended Solids (TSS) |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Turbidity                    |              |
| Hingham Bay    | MA70-06    | The area north of the mouth of the Weymouth Fore River extending on the west along the line between Nut Island and the south point of West Head, and on the east side along a line from Prince Head just east of Pig Rock to the mouth of the Weymouth Fore River (midway between Lower Neck and Manot Beach), Quincy.                                                                                                                                       | 0.96 | SQUARE MILES | Fecal Coliform               |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Other                        |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue           |              |
| Hingham Bay    | MA70-07    | The area defined between Peddocks Island and Windmill Point; from Windmill Point southeast to Bumkin Island; from Bumkin Island southeast to Sunset Point; from Sunset Point across the mouth of the Weir River to Worlds End; from Worlds End across the mouth of Hingham Harbor to Crow Point; from Beach Lane, Hingham across the mouth of the Weymouth Back River to Lower Neck; and from Lower Neck midway across the mouth of the Weymouth Fore River. | 4.8  | SQUARE MILES | Fecal Coliform               |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue           |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Other                        |              |
| Hull Bay       | MA70-09    | The area defined east of a line from Windmill Point, Hull to Bumkin Island, Hingham and from Bumkin Island to Sunset Point, Hull.                                                                                                                                                                                                                                                                                                                            | 2.48 | SQUARE MILES | Fecal Coliform               |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Other                        |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue           |              |
| Pleasure Bay   | MA70-11    | A semi-enclosed bay, the flow restricted through two channels between Castle and Head islands, Boston                                                                                                                                                                                                                                                                                                                                                        | 0.22 | SQUARE MILES | Fecal Coliform               |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Other                        |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue           |              |
| Quincy Bay     | MA70-04    | From Bromfield Street near the Wollaston Yacht Club, northeast to N42 17.3 W71 00.1, then southeast to Houghs Neck near Sea Street and Peterson Road (formerly referred to as the "Willows"), Quincy.                                                                                                                                                                                                                                                        | 1.52 | SQUARE MILES | Enterococcus                 |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Fecal Coliform               |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Other                        |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue           |              |
| Quincy Bay     | MA70-05    | Quincy Bay, north of the class SA waters (segment MA70-04), Quincy to the line between Moon Head and Nut Island, Quincy.                                                                                                                                                                                                                                                                                                                                     | 4.41 | SQUARE MILES | Enterococcus                 |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Fecal Coliform               |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | Other                        |              |
|                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue           |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                  | SIZE | UNITS        | IMPAIRMENT CAUSE                                  | EPA TMDL NO. |
|-----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|---------------------------------------------------|--------------|
| Winthrop Bay          | MA70-10    | From the tidal flats at Coleridge Street, Boston (East Boston) to a line between Logan International Airport and Point Shirley, Boston/Winthrop.                                                                             | 1.65 | SQUARE MILES | Enterococcus                                      |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Fecal Coliform                                    |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Other                                             |              |
|                       |            |                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue                                |              |
| Boston Harbor: Mystic |            |                                                                                                                                                                                                                              |      |              |                                                   |              |
| Aberjona River        | MA71-01    | Source just south of Birch Meadow Drive, Reading to inlet Upper Mystic Lake at Mystic Valley Parkway, Winchester (portion culverted underground). (through former pond segments Judkins Pond MA71021 and Mill Pond MA71031). | 9.1  | MILES        | (Physical substrate habitat alterations*)         |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Ammonia (Un-ionized)                              |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Aquatic Macroinvertebrate Bioassessments          |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Arsenic                                           |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Escherichia coli                                  |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Oxygen, Dissolved                                 |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Phosphorus (Total)                                |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Sediment Bioassays -- Chronic Toxicity Freshwater |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Turbidity                                         |              |
| Alewife Brook         | MA71-04    | Outlet of Little Pond, Belmont to confluence with Mystic River, Arlington/Somerville (portion in Belmont and Cambridge identified as Little River with name changing to Alewife Brook at Arlington corporate boundary).      | 2.3  | MILES        | (Debris/Floatables/Trash*)                        |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Copper                                            |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Escherichia coli                                  |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Foam/Flocs/Scum/Oil Slicks                        |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Lead                                              |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Oxygen, Dissolved                                 |              |
|                       |            |                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue                                |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Phosphorus (Total)                                |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Secchi disk transparency                          |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Sediment Bioassays -- Chronic Toxicity Freshwater |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Taste and Odor                                    |              |
|                       |            |                                                                                                                                                                                                                              |      |              |                                                   |              |
| Belle Isle Inlet      | MA71-14    | From tidegate at Bennington Street, Boston/Revere to confluence with Winthrop Bay, Boston/Winthrop.                                                                                                                          | 0.12 | SQUARE MILES | Fecal Coliform                                    |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Other                                             |              |
|                       |            |                                                                                                                                                                                                                              |      |              | PCB in Fish Tissue                                |              |
| Blacks Nook           | MA71005    | Cambridge                                                                                                                                                                                                                    | 2    | ACRES        | (Non-Native Aquatic Plants*)                      |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Nutrient/Eutrophication Biological Indicators     |              |
|                       |            |                                                                                                                                                                                                                              |      |              | Secchi disk transparency                          |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                              | SIZE | UNITS        | IMPAIRMENT CAUSE                                  | EPA TMDL NO. |
|-------------------|------------|--------------------------------------------------------------------------------------------------------------------------|------|--------------|---------------------------------------------------|--------------|
| Chelsea River     | MA71-06    | From confluence with Mill Creek, Chelsea/Revere to confluence with Boston Inner Harbor, Chelsea/East Boston/Charlestown. | 0.38 | SQUARE MILES | (Debris/Floatables/Trash*)                        |              |
|                   |            |                                                                                                                          |      |              | Ammonia (Un-ionized)                              |              |
|                   |            |                                                                                                                          |      |              | Fecal Coliform                                    |              |
|                   |            |                                                                                                                          |      |              | Other                                             |              |
|                   |            |                                                                                                                          |      |              | Oxygen, Dissolved                                 |              |
|                   |            |                                                                                                                          |      |              | PCB in Fish Tissue                                |              |
|                   |            |                                                                                                                          |      |              | Petroleum Hydrocarbons                            |              |
|                   |            |                                                                                                                          |      |              | Sediment Screening Value (Exceedence)             |              |
|                   |            |                                                                                                                          |      |              | Taste and Odor                                    |              |
|                   |            |                                                                                                                          |      |              | Turbidity                                         |              |
| Clay Pit Pond     | MA71011    | Belmont                                                                                                                  | 12   | ACRES        | Chlordane                                         |              |
| Ell Pond          | MA71014    | Melrose                                                                                                                  | 23   | ACRES        | Chlorophyll-a                                     |              |
|                   |            |                                                                                                                          |      |              | Fecal Coliform                                    |              |
|                   |            |                                                                                                                          |      |              | Phosphorus (Total)                                |              |
|                   |            |                                                                                                                          |      |              | Secchi disk transparency                          |              |
|                   |            |                                                                                                                          |      |              | Total Suspended Solids (TSS)                      |              |
| Horn Pond         | MA71019    | Woburn                                                                                                                   | 108  | ACRES        | (Non-Native Aquatic Plants*)                      |              |
|                   |            |                                                                                                                          |      |              | DDT in Fish Tissue                                |              |
|                   |            |                                                                                                                          |      |              | Excess Algal Growth                               |              |
|                   |            |                                                                                                                          |      |              | Oxygen, Dissolved                                 |              |
|                   |            |                                                                                                                          |      |              | Phosphorus (Total)                                |              |
| Lower Mystic Lake | MA71027    | Arlington/Medford                                                                                                        | 93   | ACRES        | DDT                                               |              |
|                   |            |                                                                                                                          |      |              | Oxygen, Dissolved                                 |              |
|                   |            |                                                                                                                          |      |              | PCB in Fish Tissue                                |              |
|                   |            |                                                                                                                          |      |              | Salinity                                          |              |
|                   |            |                                                                                                                          |      |              | Sediment Bioassays -- Chronic Toxicity Freshwater |              |
|                   |            |                                                                                                                          |      |              | Sulfide-Hydrogen Sulfide                          |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME         | SEGMENT ID | DESCRIPTION                                                                                                                    | SIZE | UNITS        | IMPAIRMENT CAUSE                                  | EPA TMDL NO. |
|--------------|------------|--------------------------------------------------------------------------------------------------------------------------------|------|--------------|---------------------------------------------------|--------------|
| Malden River | MA71-05    | Headwaters south of Exchange Street, Malden to confluence with Mystic River, Everett/Medford.                                  | 2.3  | MILES        | (Debris/Floatables/Trash*)                        |              |
|              |            |                                                                                                                                |      |              | Chlordane                                         |              |
|              |            |                                                                                                                                |      |              | DDT                                               |              |
|              |            |                                                                                                                                |      |              | Dissolved oxygen saturation                       |              |
|              |            |                                                                                                                                |      |              | Escherichia coli                                  |              |
|              |            |                                                                                                                                |      |              | Fecal Coliform                                    |              |
|              |            |                                                                                                                                |      |              | Foam/Flocs/Scum/Oil Slicks                        |              |
|              |            |                                                                                                                                |      |              | Oxygen, Dissolved                                 |              |
|              |            |                                                                                                                                |      |              | PCB in Fish Tissue                                |              |
|              |            |                                                                                                                                |      |              | pH, High                                          |              |
|              |            |                                                                                                                                |      |              | Phosphorus (Total)                                |              |
|              |            |                                                                                                                                |      |              | Secchi disk transparency                          |              |
|              |            |                                                                                                                                |      |              | Sediment Bioassays -- Chronic Toxicity Freshwater |              |
|              |            |                                                                                                                                |      |              | Taste and Odor                                    |              |
|              |            |                                                                                                                                |      |              | Total Suspended Solids (TSS)                      |              |
| Mill Brook   | MA71-07    | Headwaters south of Massachusetts Avenue, Lexington to inlet of Lower Mystic Lake, Arlington (portions culverted underground). | 3.9  | MILES        | (Physical substrate habitat alterations*)         |              |
|              |            |                                                                                                                                |      |              | Escherichia coli                                  |              |
| Mill Creek   | MA71-08    | From Route 1, Chelsea/Revere to confluence with Chelsea River, Chelsea/Revere.                                                 | 0.02 | SQUARE MILES | Fecal Coliform                                    |              |
|              |            |                                                                                                                                |      |              | Other                                             |              |
|              |            |                                                                                                                                |      |              | PCB in Fish Tissue                                |              |
| Mystic River | MA71-02    | Outlet Lower Mystic Lake, Arlington/Medford to Amelia Earhart Dam, Somerville/Everett.                                         | 4.9  | MILES        | (Fish-Passage Barrier*)                           |              |
|              |            |                                                                                                                                |      |              | Arsenic                                           |              |
|              |            |                                                                                                                                |      |              | Chlordane                                         |              |
|              |            |                                                                                                                                |      |              | Chlorophyll-a                                     |              |
|              |            |                                                                                                                                |      |              | DDT                                               |              |
|              |            |                                                                                                                                |      |              | Dissolved oxygen saturation                       |              |
|              |            |                                                                                                                                |      |              | Escherichia coli                                  |              |
|              |            |                                                                                                                                |      |              | PCB in Fish Tissue                                |              |
|              |            |                                                                                                                                |      |              | Phosphorus (Total)                                |              |
|              |            |                                                                                                                                |      |              | Secchi disk transparency                          |              |
|              |            |                                                                                                                                |      |              | Sediment Bioassays -- Chronic Toxicity Freshwater |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                              | SIZE | UNITS        | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|-------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|--------------------------------------------------|--------------|
| Mystic River            | MA71-03    | Amelia Earhart Dam, Somerville/Everett to confluence with Boston Inner Harbor, Chelsea/Charlestown (Includes Island End River).                                                                                                                                          | 0.49 | SQUARE MILES | Ammonia (Un-ionized)                             |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Fecal Coliform                                   |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Foam/Flocs/Scum/Oil Slicks                       |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Other                                            |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Oxygen, Dissolved                                |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | PCB in Fish Tissue                               |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Petroleum Hydrocarbons                           |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Sediment Screening Value (Exceedence)            |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Taste and Odor                                   |              |
| Spy Pond                | MA71040    | Arlington                                                                                                                                                                                                                                                                | 98   | ACRES        | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Chlordane                                        |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | DDT                                              |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Excess Algal Growth                              |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Oxygen, Dissolved                                |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Phosphorus (Total)                               |              |
| Unnamed Tributary       | MA71-13    | Unnamed tributary locally known as 'Meetinghouse Brook', from emergence south of Route 16/east of Winthrop Street, Medford to confluence with the Mystic River, Medford. (brook not apparent on 1985 Boston North USGS quad - 2005 orthophotos used to delineate stream) | 0.1  | MILES        | Escherichia coli                                 |              |
| Upper Mystic Lake       | MA71043    | Winchester/Arlington/Medford                                                                                                                                                                                                                                             | 176  | ACRES        | (Non-Native Aquatic Plants*)                     |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Dissolved oxygen saturation                      |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Oxygen, Dissolved                                |              |
| Wedge Pond              | MA71045    | Winchester                                                                                                                                                                                                                                                               | 23   | ACRES        | Oxygen, Dissolved                                |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Phosphorus (Total)                               |              |
| Winn Brook              | MA71-09    | Headwaters near Juniper Road and the Belmont Hill School, Belmont to confluence with Little Pond, Belmont (portions culverted underground).                                                                                                                              | 1.4  | MILES        | (Physical substrate habitat alterations*)        |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Escherichia coli                                 |              |
| Winter Pond             | MA71047    | Winchester                                                                                                                                                                                                                                                               | 18   | ACRES        | (Non-Native Aquatic Plants*)                     |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Nutrient/Eutrophication Biological Indicators    |              |
| Boston Harbor: Neponset |            |                                                                                                                                                                                                                                                                          |      |              |                                                  |              |
| Beaver Brook            | MA73-19    | Headwaters near Moose Hill Street, Sharon through Sawmill Pond to confluence with Massapoag Brook, Sharon.                                                                                                                                                               | 3.5  | MILES        | Aquatic Macroinvertebrate Bioassessments         |              |
|                         |            |                                                                                                                                                                                                                                                                          |      |              | Oxygen, Dissolved                                |              |
| Beaver Meadow Brook     | MA73-20    | Outlet of Glenn Echo Pond, Stoughton, to the inlet of Bolivar Pond, Canton.                                                                                                                                                                                              | 3.3  | MILES        | Oxygen, Dissolved                                |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                   | SIZE | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|---------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|-----------------------------------------------|--------------|
| Bolivar Pond        | MA73005    | Canton                                                                                                                                                        | 20   | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                     |            |                                                                                                                                                               |      |              | Turbidity                                     |              |
| Cobbs Pond          | MA73009    | Walpole                                                                                                                                                       | 14   | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                     |            |                                                                                                                                                               |      |              | Nutrient/Eutrophication Biological Indicators |              |
|                     |            |                                                                                                                                                               |      |              | Oxygen, Dissolved                             |              |
|                     |            |                                                                                                                                                               |      |              | Secchi disk transparency                      |              |
| East Branch         | MA73-05    | East Branch Neponset River - Outlet of Forge Pond, Canton through East Branch Pond to confluence with Neponset River, Canton. (locally known as Canton River) | 2.6  | MILES        | (Low flow alterations*)                       |              |
|                     |            |                                                                                                                                                               |      |              | Aquatic Macroinvertebrate Bioassessments      |              |
|                     |            |                                                                                                                                                               |      |              | DDT                                           |              |
|                     |            |                                                                                                                                                               |      |              | Escherichia coli                              | 2592         |
|                     |            |                                                                                                                                                               |      |              | Fecal Coliform                                | 2592         |
|                     |            |                                                                                                                                                               |      |              | Other                                         |              |
|                     |            |                                                                                                                                                               |      |              | Oxygen, Dissolved                             |              |
|                     |            |                                                                                                                                                               |      |              | PCB in Fish Tissue                            |              |
| Forge Pond          | MA73020    | Canton                                                                                                                                                        | 19   | ACRES        | Temperature, water                            |              |
|                     |            |                                                                                                                                                               |      |              | Turbidity                                     |              |
| Ganawatte Farm Pond | MA73037    | Walpole/Sharon/Foxborough                                                                                                                                     | 29   | ACRES        | Aquatic Plants (Macrophytes)                  |              |
|                     |            |                                                                                                                                                               |      |              | Oxygen, Dissolved                             |              |
|                     |            |                                                                                                                                                               |      |              | Secchi disk transparency                      |              |
| Germany Brook       | MA73-15    | Headwaters, east of Winter Street, Norwood to inlet of Ellis Pond, Norwood.                                                                                   | 2    | MILES        | (Debris/Floatables/Trash*)                    |              |
|                     |            |                                                                                                                                                               |      |              | Color                                         |              |
|                     |            |                                                                                                                                                               |      |              | Escherichia coli                              | 2592         |
|                     |            |                                                                                                                                                               |      |              | Fecal Coliform                                | 2592         |
|                     |            |                                                                                                                                                               |      |              | pH, High                                      |              |
| Gulliver Creek      | MA73-30    | From confluence Unquity Brook, Milton to confluence Neponset River, Milton. (Note: Unquity Brook culverted, confluence not visible on quad)                   | 0.02 | SQUARE MILES | Phosphorus (Total)                            |              |
|                     |            |                                                                                                                                                               |      |              | Fecal Coliform                                | 2592         |
|                     |            |                                                                                                                                                               |      |              | Other                                         |              |
| Hawes Brook         | MA73-16    | Outlet of Ellis Pond, Norwood to confluence with Neponset River, Norwood.                                                                                     | 1.1  | MILES        | PCB in Fish Tissue                            |              |
|                     |            |                                                                                                                                                               |      |              | (Debris/Floatables/Trash*)                    |              |
|                     |            |                                                                                                                                                               |      |              | Escherichia coli                              | 2592         |
|                     |            |                                                                                                                                                               |      |              | Fecal Coliform                                | 2592         |
|                     |            |                                                                                                                                                               |      |              | Taste and Odor                                |              |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                  | SIZE | UNITS | IMPAIRMENT CAUSE                         | EPA TMDL NO. |
|--------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------------------------------------|--------------|
| Massapoag Brook    | MA73-21    | Outlet Hammer Shop Pond, Sharon, through Manns Pond (formerly segment MA73028), Trowel Shop Pond, and Shephard Pond to the inlet of Forge Pond, Canton.      | 4.2  | MILES | (Non-Native Aquatic Plants*)             |              |
|                    |            |                                                                                                                                                              |      |       | Aquatic Macroinvertebrate Bioassessments |              |
|                    |            |                                                                                                                                                              |      |       | Phosphorus (Total)                       |              |
|                    |            |                                                                                                                                                              |      |       | Turbidity                                |              |
| Memorial Pond      | MA73012    | Walpole                                                                                                                                                      | 8    | ACRES | Aquatic Plants (Macrophytes)             |              |
|                    |            |                                                                                                                                                              |      |       | Turbidity                                |              |
| Mill Brook         | MA73-08    | From headwaters (perennial portion) north of Hartford Street, Medfield to inlet of Jewells Pond, Medfield.                                                   | 2.3  | MILES | (Low flow alterations*)                  |              |
|                    |            |                                                                                                                                                              |      |       | Aquatic Macroinvertebrate Bioassessments |              |
|                    |            |                                                                                                                                                              |      |       | Oxygen, Dissolved                        |              |
| Mine Brook         | MA73-09    | Outlet of Jewells Pond, Medfield, to the inlet of Turner Pond, Walpole.                                                                                      | 3    | MILES | Fecal Coliform                           | 2592         |
|                    |            |                                                                                                                                                              |      |       | Oxygen, Dissolved                        |              |
| Mother Brook       | MA73-28    | Headwaters at the Charles River Diversion control structure, Dedham to confluence with Neponset River, Boston. [Reported as MA72-13 until May 3, 2000]       | 3.7  | MILES | (Low flow alterations*)                  |              |
|                    |            |                                                                                                                                                              |      |       | Color                                    |              |
|                    |            |                                                                                                                                                              |      |       | DDT                                      |              |
|                    |            |                                                                                                                                                              |      |       | Escherichia coli                         | 2592         |
|                    |            |                                                                                                                                                              |      |       | Fecal Coliform                           | 2592         |
|                    |            |                                                                                                                                                              |      |       | Mercury in Fish Tissue                   |              |
|                    |            |                                                                                                                                                              |      |       | Oxygen, Dissolved                        |              |
|                    |            |                                                                                                                                                              |      |       | PCB in Fish Tissue                       |              |
|                    |            |                                                                                                                                                              |      |       | Phosphorus (Total)                       |              |
|                    |            |                                                                                                                                                              |      |       | Taste and Odor                           |              |
| Neponset Reservoir | MA73034    | Foxborough                                                                                                                                                   | 312  | ACRES | (Non-Native Aquatic Plants*)             |              |
|                    |            |                                                                                                                                                              |      |       | Excess Algal Growth                      |              |
|                    |            |                                                                                                                                                              |      |       | Turbidity                                |              |
| Neponset River     | MA73-01    | Outlet of Neponset Reservoir, Foxborough to confluence with East Branch, Canton. (through former pond segments Crackrock Pond MA73010 and Bird Pond MA73002) | 13.2 | MILES | DDT                                      |              |
|                    |            |                                                                                                                                                              |      |       | Escherichia coli                         | 54840        |
|                    |            |                                                                                                                                                              |      |       | Excess Algal Growth                      |              |
|                    |            |                                                                                                                                                              |      |       | Other                                    |              |
|                    |            |                                                                                                                                                              |      |       | Oxygen, Dissolved                        |              |
|                    |            |                                                                                                                                                              |      |       | PCB in Fish Tissue                       |              |
|                    |            |                                                                                                                                                              |      |       | Phosphorus (Total)                       |              |
|                    |            |                                                                                                                                                              |      |       | Sedimentation/Siltation                  |              |
|                    |            |                                                                                                                                                              |      |       | Total Suspended Solids (TSS)             |              |
|                    |            |                                                                                                                                                              |      |       | Turbidity                                |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME            | SEGMENT ID | DESCRIPTION                                                                                                                                                | SIZE | UNITS        | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|-----------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|-------------------------------------------|--------------|
| Neponset River  | MA73-02    | Confluence with East Branch, Canton to confluence with Mother Brook, Boston.                                                                               | 7.7  | MILES        | (Debris/Floatables/Trash*)                |              |
|                 |            |                                                                                                                                                            |      |              | DDT                                       |              |
|                 |            |                                                                                                                                                            |      |              | Escherichia coli                          | 2592         |
|                 |            |                                                                                                                                                            |      |              | Fecal Coliform                            | 2592         |
|                 |            |                                                                                                                                                            |      |              | Foam/Flocs/Scum/Oil Slicks                |              |
|                 |            |                                                                                                                                                            |      |              | Other                                     |              |
|                 |            |                                                                                                                                                            |      |              | Oxygen, Dissolved                         |              |
|                 |            |                                                                                                                                                            |      |              | PCB in Fish Tissue                        |              |
|                 |            |                                                                                                                                                            |      |              | Turbidity                                 |              |
| Neponset River  | MA73-03    | Confluence with Mother Brook, Boston to Milton Lower Falls Dam, Milton/Boston.                                                                             | 3.6  | MILES        | (Debris/Floatables/Trash*)                |              |
|                 |            |                                                                                                                                                            |      |              | DDT                                       |              |
|                 |            |                                                                                                                                                            |      |              | Enterococcus                              | 2592         |
|                 |            |                                                                                                                                                            |      |              | Escherichia coli                          | 2592         |
|                 |            |                                                                                                                                                            |      |              | Fecal Coliform                            | 2592         |
|                 |            |                                                                                                                                                            |      |              | Foam/Flocs/Scum/Oil Slicks                |              |
|                 |            |                                                                                                                                                            |      |              | Other                                     |              |
|                 |            |                                                                                                                                                            |      |              | Oxygen, Dissolved                         |              |
|                 |            |                                                                                                                                                            |      |              | PCB in Fish Tissue                        |              |
| Neponset River  | MA73-04    | Milton Lower Falls Dam, Milton/Boston to mouth at Dorchester Bay, Boston/Quincy.                                                                           | 0.67 | SQUARE MILES | (Debris/Floatables/Trash*)                |              |
|                 |            |                                                                                                                                                            |      |              | Enterococcus                              | 2592         |
|                 |            |                                                                                                                                                            |      |              | Fecal Coliform                            | 2592         |
|                 |            |                                                                                                                                                            |      |              | Other                                     |              |
|                 |            |                                                                                                                                                            |      |              | Oxygen, Dissolved                         |              |
|                 |            |                                                                                                                                                            |      |              | PCB in Fish Tissue                        |              |
|                 |            |                                                                                                                                                            |      |              | Turbidity                                 |              |
| Pequid Brook    | MA73-22    | Headwaters east of York Street, Canton to the inlet of Forge Pond, Canton (excluding the approximately 1.3 miles through Reservoir Pond, segment MA73048). | 2.8  | MILES        | Oxygen, Dissolved                         |              |
| Pine Tree Brook | MA73-29    | Outlet of Hillside Pond, Milton through Pope's Pond (formerly segment MA73044) to confluence Neponset River, Milton.                                       | 4.6  | MILES        | (Physical substrate habitat alterations*) |              |
|                 |            |                                                                                                                                                            |      |              | Aquatic Plants (Macrophytes)              |              |
|                 |            |                                                                                                                                                            |      |              | Escherichia coli                          | 2592         |
|                 |            |                                                                                                                                                            |      |              | Fecal Coliform                            | 2592         |
|                 |            |                                                                                                                                                            |      |              | Oxygen, Dissolved                         |              |
|                 |            |                                                                                                                                                            |      |              | Turbidity                                 |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                                      | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                  | SIZE | UNITS | IMPAIRMENT CAUSE                                                                                                                                                                                                          | EPA TMDL NO. |
|-------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Russell Pond                              | MA73003    | Milton                                                                                                                                                                                                                                                                                                                                       | 9    | ACRES | (Non-Native Aquatic Plants*)<br>Turbidity                                                                                                                                                                                 |              |
| Turners Pond                              | MA73059    | Milton                                                                                                                                                                                                                                                                                                                                       | 10   | ACRES | Nutrient/Eutrophication Biological Indicators<br>Oxygen, Dissolved<br>Turbidity                                                                                                                                           |              |
| Unnamed Tributary                         | MA73-32    | From the outlet of Town Pond, Stoughton to the confluence with Steep Hill Brook, Stoughton.                                                                                                                                                                                                                                                  | 1    | MILES | Aquatic Macroinvertebrate Bioassessments<br>Escherichia coli<br>pH, Low<br>Phosphorus (Total)                                                                                                                             | 54860        |
| Unnamed Tributary                         | MA73-33    | Locally known as "Meadow Brook" - From where the underground/culverted stream emerges east of Pleasant Street, Norwood to confluence with Neponset River, Norwood.                                                                                                                                                                           | 0.6  | MILES | Color<br>Escherichia coli<br>Phosphorus (Total)<br>Taste and Odor                                                                                                                                                         | 54861        |
| Unquity Brook                             | MA73-26    | Isolated (urban): Headwaters (perennial portion) near Randolph Avenue, Milton to confluence with Gulliver Creek, Milton (Note: Confluence not visible on quad, brook culverted underground east of Otis Street/west of Governor Belcher Lane, Milton)                                                                                        | 1.5  | MILES | (Debris/Floatables/Trash*)<br>(Low flow alterations*)<br>(Physical substrate habitat alterations*)<br>Escherichia coli<br>Fecal Coliform<br>Oxygen, Dissolved<br>pH, Low<br>Phosphorus (Total)<br>Sedimentation/Siltation | 2592<br>2592 |
| <b>Boston Harbor: Weymouth &amp; Weir</b> |            |                                                                                                                                                                                                                                                                                                                                              |      |       |                                                                                                                                                                                                                           |              |
| Accord Brook                              | MA74-16    | Headwaters, outlet Accord Pond, Hingham to water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham.                                                                                                                                                                                                           | 3.2  | MILES | Aquatic Macroinvertebrate Bioassessments                                                                                                                                                                                  |              |
| Cochato River                             | MA74-06    | Outlet Lake Holbrook, Holbrook to confluence with Farm and Monatiquot rivers, Braintree (through former pond segment Ice House Pond MA74028). (SARIS note: the upper portion of this segment is comprised of three surface waters: unnamed tributary from the outlet of Lake Holbrook, portion of Mary Lee Brook, portion of Glovers Brook). | 4.1  | MILES | Chlordane<br>DDT<br>Fecal Coliform<br>Oxygen, Dissolved                                                                                                                                                                   |              |
| Crooked Meadow River                      | MA74-01    | Outlet Cushing Pond, Hingham to confluence with Weir River, Hingham.                                                                                                                                                                                                                                                                         | 1    | MILES | Nutrient/Eutrophication Biological Indicators                                                                                                                                                                             |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                        | SIZE | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|---------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|-----------------------------------------------|--------------|
| Furnace Brook       | MA74-10    | From headwaters north of Blue Hills Reservoir, Quincy to confluence with Blacks Creek, Quincy (portions culverted underground).                                                    | 4.2  | MILES        | Oxygen, Dissolved                             |              |
| Hingham Harbor      | MA74-18    | Hingham Harbor inside a line from Crows Point to Worlds End, Hingham (formerly reported as MA70-08).                                                                               | 1.12 | SQUARE MILES | Fecal Coliform                                |              |
|                     |            |                                                                                                                                                                                    |      |              | Other                                         |              |
|                     |            |                                                                                                                                                                                    |      |              | PCB in Fish Tissue                            |              |
| Lake Holbrook       | MA74013    | Holbrook                                                                                                                                                                           | 31   | ACRES        | Nutrient/Eutrophication Biological Indicators |              |
| Mill River          | MA74-04    | Headwaters, west of Route 18 and south of Randolph Street, Weymouth to inlet Whitmans Pond, Weymouth (portions culverted underground).                                             | 3.4  | MILES        | Fecal Coliform                                |              |
|                     |            |                                                                                                                                                                                    |      |              | Nutrient/Eutrophication Biological Indicators |              |
| Monatiquot River    | MA74-08    | Headwaters at confluence of Cochato and Farm rivers, Braintree to confluence with Weymouth Fore River at Commercial Street, Braintree.                                             | 4.4  | MILES        | (Physical substrate habitat alterations*)     |              |
|                     |            |                                                                                                                                                                                    |      |              | Aquatic Macroinvertebrate Bioassessments      |              |
|                     |            |                                                                                                                                                                                    |      |              | Fecal Coliform                                |              |
|                     |            |                                                                                                                                                                                    |      |              | Oxygen, Dissolved                             |              |
| Old Swamp River     | MA74-03    | Headwaters just west of Pleasant Street and north of Liberty Street, Rockland to inlet Whitmans Pond, Weymouth.                                                                    | 5.2  | MILES        | Fecal Coliform                                |              |
| Sylvan Lake         | MA74021    | Holbrook                                                                                                                                                                           | 6    | ACRES        | Chlordane                                     |              |
|                     |            |                                                                                                                                                                                    |      |              | DDT                                           |              |
| Town Brook          | MA74-09    | Outlet Old Quincy Reservoir, Braintree to confluence with Town River Bay north of Route 3A, Quincy (includes "The Canal"/Town River) (portions culverted underground).             | 3.5  | MILES        | (Other flow regime alterations*)              |              |
|                     |            |                                                                                                                                                                                    |      |              | (Physical substrate habitat alterations*)     |              |
|                     |            |                                                                                                                                                                                    |      |              | Aquatic Macroinvertebrate Bioassessments      |              |
|                     |            |                                                                                                                                                                                    |      |              | Fecal Coliform                                |              |
| Town River Bay      | MA74-15    | From the headwaters at the Route 3A bridge, Quincy to the mouth at Weymouth Fore River between Shipyard and Germantown Points, Quincy.                                             | 0.46 | SQUARE MILES | Fecal Coliform                                |              |
|                     |            |                                                                                                                                                                                    |      |              | Other                                         |              |
|                     |            |                                                                                                                                                                                    |      |              | Oxygen, Dissolved                             |              |
|                     |            |                                                                                                                                                                                    |      |              | PCB in Fish Tissue                            |              |
| Weir River          | MA74-02    | Headwaters at confluence of Crooked Meadow River and Fulling Mill Brook, Hingham to Foundry Pond outlet, Hingham (through former pond segment Foundry Pond MA74011).               | 2.7  | MILES        | (Low flow alterations*)                       |              |
|                     |            |                                                                                                                                                                                    |      |              | Fecal Coliform                                |              |
|                     |            |                                                                                                                                                                                    |      |              | Nutrient/Eutrophication Biological Indicators |              |
|                     |            |                                                                                                                                                                                    |      |              | Sedimentation/Siltation                       |              |
| Weir River          | MA74-11    | From Foundry Pond outlet, Hingham to mouth at Worlds End, Hingham and Nantasket Road near Beech Avenue, Hull (including unnamed tributary from outlet Straits Pond, Hingham/Hull). | 0.83 | SQUARE MILES | Fecal Coliform                                |              |
|                     |            |                                                                                                                                                                                    |      |              | Other                                         |              |
|                     |            |                                                                                                                                                                                    |      |              | PCB in Fish Tissue                            |              |
| Weymouth Back River | MA74-05    | Outlet Elias Pond, Weymouth to the base of the fish ladder north of Commercial Street, Weymouth.                                                                                   | 0.4  | MILES        | Fecal Coliform                                |              |
|                     |            |                                                                                                                                                                                    |      |              | Oxygen, Dissolved                             |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                     | SIZE  | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----------------------------------------------|--------------|
| Weymouth Back River     | MA74-13    | From the base of the fish ladder north of Commercial Street, Weymouth to mouth between Lower Neck, Weymouth (to the west) and Wompatuck Road, Hingham.                                                                                                                          | 0.86  | SQUARE MILES | Fecal Coliform                                |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Other                                         |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | PCB in Fish Tissue                            |              |
| Weymouth Fore River     | MA74-14    | Commercial Street, Braintree to mouth (eastern point at Lower Neck, Weymouth and western point at Wall Street on Houghs Neck, Quincy).                                                                                                                                          | 2.29  | SQUARE MILES | Fecal Coliform                                |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Other                                         |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | PCB in Fish Tissue                            |              |
| Whitmans Pond           | MA74025    | Weymouth                                                                                                                                                                                                                                                                        | 147   | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | DDT                                           |              |
| Buzzards Bay            |            |                                                                                                                                                                                                                                                                                 |       |              |                                               |              |
| "Inner" Sippican Harbor | MA95-70    | The waters landward of a line from Allen Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island to the point of land south of Nyes Wharf, Marion excluding Hammett Cove (formerly reported as a portion ofsegment MA95-08). | 0.57  | SQUARE MILES | Fecal Coliform                                | 36172        |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Nitrogen (Total)                              |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Nutrient/Eutrophication Biological Indicators |              |
| Acushnet River          | MA95-31    | Outlet New Bedford Reservoir, Acushnet to Hamlin Street culvert, Acushnet.                                                                                                                                                                                                      | 3.071 | MILES        | Fecal Coliform                                | 36170        |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Other                                         |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Oxygen, Dissolved                             |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Sedimentation/Siltation                       |              |
| Acushnet River          | MA95-32    | Hamlin Street culvert, Acushnet to culvert at Main Street, Acushnet.                                                                                                                                                                                                            | 1.117 | MILES        | Fecal Coliform                                | 36170        |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Other                                         |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Oxygen, Dissolved                             |              |
| Acushnet River          | MA95-33    | Outlet Main Street culvert, Acushnet to Coggeshall Street bridge, New Bedford/Fairhaven.                                                                                                                                                                                        | 0.312 | SQUARE MILES | (Debris/Floatables/Trash*)                    |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Color                                         |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Fecal Coliform                                | 36171        |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Nitrogen (Total)                              |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Oil and Grease                                |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Other                                         |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Oxygen, Dissolved                             |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Polychlorinated biphenyls                     |              |
|                         |            |                                                                                                                                                                                                                                                                                 |       |              | Taste and Odor                                |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                               | SIZE     | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|-----------------------------------------------|--------------|
| Agawam River      | MA95-29    | Wareham WWTP, Wareham to confluence with Wankinco River at Route 6 bridge, Wareham.                                                                                                                                                                       | 0.165    | SQUARE MILES | Ammonia (Un-ionized)                          |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Excess Algal Growth                           |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Fecal Coliform                                | 36171        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nitrogen (Total)                              |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Whole Effluent Toxicity (WET)                 |              |
| Apponagansett Bay | MA95-39    | From the mouth of Buttonwood Brook, Dartmouth to a line drawn from Ricketsons Point, Dartmouth to Samoset Street near North Avenue, Dartmouth.                                                                                                            | 1.067    | SQUARE MILES | Fecal Coliform                                | 36172        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nitrogen (Total)                              |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | PCB in Fish Tissue                            |              |
| Aucoot Cove       | MA95-71    | From the confluence with Aucoot Creek, Marion to the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion (formerly part of segment 95-09).                              | 0.029    | SQUARE MILES | Fecal Coliform                                | 36172        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nitrogen (Total)                              |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nutrient/Eutrophication Biological Indicators |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Oxygen, Dissolved                             |              |
| Aucoot Creek      | MA95-72    | Estuarine portion east of Holly Pond Road, Marion to confluence with Aucoot Cove, Marion.                                                                                                                                                                 | 0.016    | SQUARE MILES | Fecal Coliform                                | 36172        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nitrogen (Total)                              |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nutrient/Eutrophication Biological Indicators |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Oxygen, Dissolved                             |              |
| Beaverdam Creek   | MA95-53    | Outlet from cranberry bog southeast of Route 6, Wareham to confluence with Wewantic River, Wareham.                                                                                                                                                       | 0.037735 | SQUARE MILES | Estuarine Bioassessments                      |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Fecal Coliform                                | 36172        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nitrogen (Total)                              |              |
| Butler Cove       | MA95-77    | just south of Buttermilk Bay, Wareham                                                                                                                                                                                                                     | 0.05     | SQUARE MILES | Estuarine Bioassessments                      |              |
| Buttermilk Bay    | MA95-01    | Bourne/Wareham                                                                                                                                                                                                                                            | 0.666    | SQUARE MILES | Estuarine Bioassessments                      |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Fecal Coliform                                | 36172        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | Nutrient/Eutrophication Biological Indicators |              |
| Buzzards Bay      | MA95-62    | Open water area encompassed within a line drawn from Wilber Point, Fairhaven to Clarks Point, New Bedford to Ricketson Point, Dartmouth to vicinity of Samoset Street, Dartmouth down to Round Hill Point, Dartmouth and back to Wilber Point, Fairhaven. | 8.02     | SQUARE MILES | Fecal Coliform                                | 36172        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | PCB in Fish Tissue                            |              |
| Clarks Cove       | MA95-38    | The semi-enclosed waterbody landward of a line drawn between Clarks Point, New Bedford and Ricketsons Point, Dartmouth.                                                                                                                                   | 1.9      | SQUARE MILES | Fecal Coliform                                | 36172        |
|                   |            |                                                                                                                                                                                                                                                           |          |              | PCB in Fish Tissue                            |              |
| Copicut Reservoir | MA95175    | Dartmouth/Fall River                                                                                                                                                                                                                                      | 596      | ACRES        | Mercury in Fish Tissue                        |              |
| Copicut River     | MA95-43    | Outlet of Copicut Reservoir, Fall River to the inlet of Cornell Pond, Dartmouth.                                                                                                                                                                          | 1.348    | MILES        | Mercury in Fish Tissue                        |              |
|                   |            |                                                                                                                                                                                                                                                           |          |              | PCB in Fish Tissue                            |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                        | SIZE     | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|-----------------------------------------------|--------------|
| Cornell Pond               | MA95031    | Dartmouth                                                                                                                                                          | 12.366   | ACRES        | Mercury in Fish Tissue                        | 33880        |
|                            |            |                                                                                                                                                                    |          |              | PCB in Fish Tissue                            |              |
| Crane Brook Bog Pond       | MA95033    | Carver                                                                                                                                                             | 37.303   | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                            |            |                                                                                                                                                                    |          |              | Excess Algal Growth                           |              |
|                            |            |                                                                                                                                                                    |          |              | Phosphorus (Total)                            |              |
| East Branch Westport River | MA95-41    | Old County Road bridge, Westport to the mouth at Westport Harbor, Westport (excluding Horseneck Channel).                                                          | 2.648    | SQUARE MILES | Estuarine Bioassessments                      |              |
|                            |            |                                                                                                                                                                    |          |              | Fecal Coliform                                | 36171        |
|                            |            |                                                                                                                                                                    |          |              | Nitrogen (Total)                              |              |
| Eel Pond                   | MA95-61    | Coastal pond at the head of Mattapoisett Harbor, Mattapoisett.                                                                                                     | 0.04     | SQUARE MILES | Fecal Coliform                                | 36172        |
|                            |            |                                                                                                                                                                    |          |              | Nutrient/Eutrophication Biological Indicators |              |
| Fiddlers Cove              | MA95-79    | cove south off Megansett Harbor, Falmouth                                                                                                                          | 0.01     | SQUARE MILES | Nutrient/Eutrophication Biological Indicators |              |
| Hammett Cove               | MA95-56    | Borders Sippican Harbor (along a line from the southwestern most point of Little Neck to the end of the seawall on the opposite point), Marion.                    | 0.073    | SQUARE MILES | Estuarine Bioassessments                      |              |
|                            |            |                                                                                                                                                                    |          |              | Fecal Coliform                                | 36172        |
|                            |            |                                                                                                                                                                    |          |              | Nitrogen (Total)                              |              |
| Herring Brook              | MA95-21    | Headwaters northeast of Dale Drive and west of Route 28A, Falmouth to the mouth at Buzzards Bay, Falmouth                                                          | 0.012263 | SQUARE MILES | Chlorophyll-a                                 |              |
|                            |            |                                                                                                                                                                    |          |              | Fecal Coliform                                | 36172        |
|                            |            |                                                                                                                                                                    |          |              | Nitrogen (Total)                              |              |
| Little Buttermilk Bay      | MA95-76    | off of Buttermilk Bay, Bourne                                                                                                                                      | 0.16     | SQUARE MILES | Estuarine Bioassessments                      |              |
|                            |            |                                                                                                                                                                    |          |              | Nutrient/Eutrophication Biological Indicators |              |
| Little River               | MA95-66    | Dartmouth                                                                                                                                                          | 0.18     | SQUARE MILES | Nitrogen (Total)                              |              |
| Mattapoisett Harbor        | MA95-35    | From the mouth of the Mattapoisett River, Mattapoisett to a line drawn from Ned Point to a point of land between Bayview Avenue and Grandview Avenue, Mattapoisett | 1.118    | SQUARE MILES | Estuarine Bioassessments                      |              |
|                            |            |                                                                                                                                                                    |          |              | Fecal Coliform                                | 36172        |
|                            |            |                                                                                                                                                                    |          |              | Nutrient/Eutrophication Biological Indicators |              |
| Megansett Harbor           | MA95-19    | From the outlet of Squeteague Harbor, Falmouth to Buzzards Bay at a line from the western tip of Scraggy Neck, Bourne south to the tip of Nyes Neck, Falmouth.     | 1.461    | SQUARE MILES | Estuarine Bioassessments                      |              |
|                            |            |                                                                                                                                                                    |          |              | Nutrient/Eutrophication Biological Indicators |              |
| Nasketucket River          | MA95-67    | From outlet of unnamed pond north of Meadow Lane, Fairhaven to confluence with Little Bay, Fairhaven                                                               | 0.889    | MILES        | Nitrogen (Total)                              |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                     | SEGMENT ID | DESCRIPTION                                                           | SIZE    | UNITS        | IMPAIRMENT CAUSE             | EPA TMDL NO. |
|--------------------------|------------|-----------------------------------------------------------------------|---------|--------------|------------------------------|--------------|
| New Bedford Inner Harbor | MA95-42    | Coggeshall Street Bridge to hurricane barrier, Fairhaven/New Bedford. | 1.251   | SQUARE MILES | (Debris/Floatables/Trash*)   |              |
|                          |            |                                                                       |         |              | Fecal Coliform               | 36171        |
|                          |            |                                                                       |         |              | Nitrogen (Total)             |              |
|                          |            |                                                                       |         |              | Oil and Grease               |              |
|                          |            |                                                                       |         |              | Other                        |              |
|                          |            |                                                                       |         |              | Oxygen, Dissolved            |              |
|                          |            |                                                                       |         |              | PCB in Fish Tissue           |              |
|                          |            |                                                                       |         |              | Polychlorinated biphenyls    |              |
|                          |            |                                                                       |         |              | Taste and Odor               |              |
| New Bedford Reservoir    | MA95110    | Acushnet                                                              | 211.384 | ACRES        | (Non-Native Aquatic Plants*) |              |
|                          |            |                                                                       |         |              | DDT                          |              |
|                          |            |                                                                       |         |              | Mercury in Fish Tissue       |              |
|                          |            |                                                                       |         |              | Oxygen, Dissolved            |              |
|                          |            |                                                                       |         |              | Phosphorus (Total)           |              |
| Noquochoke Lake          | MA95113    | (Main Basin) Dartmouth                                                | 87.945  | ACRES        | (Non-Native Aquatic Plants*) |              |
|                          |            |                                                                       |         |              | Aquatic Plants (Macrophytes) |              |
|                          |            |                                                                       |         |              | Enterococcus                 |              |
|                          |            |                                                                       |         |              | Mercury in Fish Tissue       | 33880        |
|                          |            |                                                                       |         |              | PCB in Fish Tissue           |              |
|                          |            |                                                                       |         |              | Turbidity                    |              |
| Noquochoke Lake          | MA95170    | (South Basin) Dartmouth                                               | 12.814  | ACRES        | (Non-Native Aquatic Plants*) |              |
|                          |            |                                                                       |         |              | Aquatic Plants (Macrophytes) |              |
|                          |            |                                                                       |         |              | Mercury in Fish Tissue       | 33880        |
|                          |            |                                                                       |         |              | PCB in Fish Tissue           |              |
|                          |            |                                                                       |         |              | Turbidity                    |              |
| Noquochoke Lake          | MA95171    | (North Basin) Dartmouth                                               | 16.711  | ACRES        | (Non-Native Aquatic Plants*) |              |
|                          |            |                                                                       |         |              | Aquatic Plants (Macrophytes) |              |
|                          |            |                                                                       |         |              | Mercury in Fish Tissue       | 33880        |
|                          |            |                                                                       |         |              | PCB in Fish Tissue           |              |
|                          |            |                                                                       |         |              | Turbidity                    |              |
| Onset Bay                | MA95-02    | Wareham                                                               | 0.779   | SQUARE MILES | Estuarine Bioassessments     |              |
|                          |            |                                                                       |         |              | Fecal Coliform               | 36172        |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                  | SIZE    | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|--------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|-----------------------------------------------|--------------|
| Outer New Bedford Harbor | MA95-63    | From the hurricane barrier, Fairhaven/New Bedford to a line drawn from Wilbur Point, Fairhaven to Clarks Point, New Bedford (segment changed 6/4/03, formerly reported as MA95-27).                                                          | 5.789   | SQUARE MILES | Estuarine Bioassessments                      |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Fecal Coliform                                | 36172        |
|                          |            |                                                                                                                                                                                                                                              |         |              | Nitrogen (Total)                              |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Other                                         |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Oxygen, Dissolved                             |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | PCB in Fish Tissue                            |              |
| Parker Mills Pond        | MA95115    | Wareham                                                                                                                                                                                                                                      | 73.172  | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Phosphorus (Total)                            |              |
| Pocasset Harbor          | MA95-17    | From the confluence with Red Brook Harbor near the northern portion of Bassett's Island and Patuisset, Bourne to the mouth at Buzzards Bay between the western portion of Bassett's Island and Wings Neck, Bourne                            | 0.332   | SQUARE MILES | Estuarine Bioassessments                      |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Fecal Coliform                                | 36172        |
| Rands Harbor             | MA95-78    | harbor south off Megansett Harbor, Falmouth                                                                                                                                                                                                  | 0.02    | SQUARE MILES | Nutrient/Eutrophication Biological Indicators |              |
| Red Brook Harbor         | MA95-18    | From the confluence with Pocasset Harbor between the northern portion of Bassett's Island and Patuisset, Bourne to the mouth at Buzzards Bay between the southern portion of Bassett's Island and Scraggy Neck, Bourne (including Hen Cove). | 0.92    | SQUARE MILES | Estuarine Bioassessments                      |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Fecal Coliform                                | 36172        |
|                          |            |                                                                                                                                                                                                                                              |         |              | Nutrient/Eutrophication Biological Indicators |              |
| Sampson Pond             | MA95125    | Carver                                                                                                                                                                                                                                       | 295.975 | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | DDT                                           |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Mercury in Fish Tissue                        |              |
| Sippican River           | MA95-06    | Outlet Leonards Pond, Rochester to County Road, Marion/Wareham.                                                                                                                                                                              | 2.941   | MILES        | (Fish-Passage Barrier*)                       |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Chlorophyll-a                                 |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Oxygen, Dissolved                             |              |
| Slocums River            | MA95-34    | Rock O'Dundee Road (confluence with Paskemanset River), Dartmouth to mouth at Buzzards Bay, Dartmouth.                                                                                                                                       | 0.672   | SQUARE MILES | Estuarine Bioassessments                      |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Fecal Coliform                                | 36172        |
|                          |            |                                                                                                                                                                                                                                              |         |              | Nitrogen (Total)                              |              |
| Squeteague Harbor        | MA95-55    | Waters landward of the confluence with Megansett Harbor, Bourne/Falmouth.                                                                                                                                                                    | 0.146   | SQUARE MILES | Nutrient/Eutrophication Biological Indicators |              |
| Tihonet Pond             | MA95146    | Wareham                                                                                                                                                                                                                                      | 86.615  | ACRES        | Oxygen, Dissolved                             |              |
| Wareham River            | MA95-03    | From confluence of Wankinko and Agawam Rivers at Route 6 bridge, Wareham to Buzzards Bay (at an imaginary line from Cromeset Point to curved point east/southeast of Long Beach Point), Wareham. Including Marks Cove, Wareham               | 1.178   | SQUARE MILES | Estuarine Bioassessments                      |              |
|                          |            |                                                                                                                                                                                                                                              |         |              | Fecal Coliform                                | 36172        |
|                          |            |                                                                                                                                                                                                                                              |         |              | Nitrogen (Total)                              |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                      | SIZE     | UNITS        | IMPAIRMENT CAUSE                                             | EPA TMDL NO. |
|----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|--------------------------------------------------------------|--------------|
| West Branch Westport River | MA95-37    | Outlet Grays Mill Pond, Adamsville, Rhode Island to mouth at Westport Harbor, Westport.                                                                                                                                          | 1.285255 | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Fecal Coliform                                               | 36172        |
|                            |            |                                                                                                                                                                                                                                  |          |              | Nitrogen (Total)                                             |              |
| Westport River             | MA95-54    | From the confluences of the East Branch Westport River and the West Branch Westport River to Rhode Island Sound (at a line from the southwestern tip of Horseneck Point to the easternmost point near Westport Light), Westport. | 0.74     | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Fecal Coliform                                               | 36172        |
|                            |            |                                                                                                                                                                                                                                  |          |              | Nitrogen (Total)                                             |              |
| Weweantic River            | MA95-05    | Outlet Horseshoe Pond, Wareham to mouth at Buzzards Bay, Marion/Wareham.                                                                                                                                                         | 0.617    | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Fecal Coliform                                               | 36172        |
|                            |            |                                                                                                                                                                                                                                  |          |              | Nitrogen (Total)                                             |              |
| Wild Harbor River          | MA95-68    | Headwaters, Falmouth to mouth at Wild Harbor, Falmouth.                                                                                                                                                                          | 0.029    | SQUARE MILES | Fecal Coliform                                               | 36172        |
|                            |            |                                                                                                                                                                                                                                  |          |              | Nutrient/Eutrophication Biological Indicators                |              |
| Cape Cod                   |            |                                                                                                                                                                                                                                  |          |              |                                                              |              |
| Ashumet Pond               | MA96004    | Mashpee/Falmouth                                                                                                                                                                                                                 | 203      | ACRES        | Abnormal Fish deformities, erosions, lesions, tumors (DELTS) |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Abnormal Fish Histology (Lesions)                            |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Mercury in Fish Tissue                                       | 33880        |
|                            |            |                                                                                                                                                                                                                                  |          |              | Oxygen, Dissolved                                            |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Phosphorus (Total)                                           |              |
| Barnstable Harbor          | MA96-01    | From the mouths of Scorton and Spring creeks, Barnstable east to an imaginary line drawn from Beach Point to the western edge of the Mill Creek estuary, Barnstable.                                                             | 3.2      | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Fecal Coliform                                               | 36771        |
| Bass River                 | MA96-12    | Route 6, Dennis/Yarmouth to mouth at Nantucket Sound, Dennis/Yarmouth (excluding Grand Cove, Dennis).                                                                                                                            | 0.69     | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Fecal Coliform                                               | 36771        |
| Boat Meadow River          | MA96-15    | Headwaters east of old railway grade, Eastham to mouth at Cape Cod Bay, Eastham.                                                                                                                                                 | 0.05     | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Fecal Coliform                                               | 36772        |
| Cedar Pond                 | MA96-88    | Orleans (in Inner Cape Cod Bay ACEC)                                                                                                                                                                                             | 0.03     | SQUARE MILES | Chlorophyll-a                                                |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Dissolved oxygen saturation                                  |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Oxygen, Dissolved                                            |              |
| Crystal Lake               | MA96050    | Orleans                                                                                                                                                                                                                          | 33       | ACRES        | Oxygen, Dissolved                                            |              |
| Great Pond                 | MA96115    | Eastham                                                                                                                                                                                                                          | 109      | ACRES        | Chlorophyll-a                                                |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Oxygen, Dissolved                                            |              |
|                            |            |                                                                                                                                                                                                                                  |          |              | Phosphorus (Total)                                           |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                          | SIZE | UNITS        | IMPAIRMENT CAUSE                 | EPA TMDL NO. |
|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------------------------------|--------------|
| Hamblin Pond         | MA96126    | Barnstable                                                                                                                                                                                           | 114  | ACRES        | Mercury in Fish Tissue           | 33880        |
|                      |            |                                                                                                                                                                                                      |      |              | Oxygen, Dissolved                |              |
| Herring River        | MA96-33    | South of High Toss Road, Wellfleet to Wellfleet Harbor (at an imaginary line drawn due north from the eastern tip of Great Island to the opposite shore), Wellfleet.                                 | 0.4  | SQUARE MILES | (Fish-Passage Barrier*)          |              |
|                      |            |                                                                                                                                                                                                      |      |              | (Other flow regime alterations*) |              |
|                      |            |                                                                                                                                                                                                      |      |              | Aluminum                         |              |
|                      |            |                                                                                                                                                                                                      |      |              | Estuarine Bioassessments         |              |
|                      |            |                                                                                                                                                                                                      |      |              | Fecal Coliform                   | 36772        |
|                      |            |                                                                                                                                                                                                      |      |              | pH, Low                          |              |
| Herring River        | MA96-67    | From outlet of Herring Pond, Wellfleet to south of High Toss Road, Wellfleet.                                                                                                                        | 3.6  | MILES        | (Fish Kills*)                    |              |
|                      |            |                                                                                                                                                                                                      |      |              | (Fish-Passage Barrier*)          |              |
|                      |            |                                                                                                                                                                                                      |      |              | (Other flow regime alterations*) |              |
|                      |            |                                                                                                                                                                                                      |      |              | Aluminum                         |              |
|                      |            |                                                                                                                                                                                                      |      |              | pH, Low                          |              |
| Hyannis Inner Harbor | MA96-82    | Waters landward of an imaginary line drawn from Harbor Bluff, Barnstable to Hyannis Park, Yarmouth.                                                                                                  | 0.13 | SQUARE MILES | Fecal Coliform                   | 42357        |
|                      |            |                                                                                                                                                                                                      |      |              | Nitrogen (Total)                 |              |
| Lewis Bay            | MA96-36    | Includes portion of Pine Island Creek and Uncle Roberts Cove to confluence with Nantucket Sound, Barnstable/Yarmouth (excluding Hyannis Inner Harbor, Barnstable/Yarmouth and Mill Creek, Yarmouth). | 1.79 | SQUARE MILES | Estuarine Bioassessments         |              |
|                      |            |                                                                                                                                                                                                      |      |              | Fecal Coliform                   | 36771        |
| Long Pond            | MA96183    | Brewster/Harwich                                                                                                                                                                                     | 715  | ACRES        | Oxygen, Dissolved                |              |
| Lovells Pond         | MA96185    | Barnstable                                                                                                                                                                                           | 54   | ACRES        | Chlorophyll-a                    |              |
|                      |            |                                                                                                                                                                                                      |      |              | Excess Algal Growth              |              |
|                      |            |                                                                                                                                                                                                      |      |              | Oxygen, Dissolved                |              |
|                      |            |                                                                                                                                                                                                      |      |              | Phosphorus (Total)               |              |
|                      |            |                                                                                                                                                                                                      |      |              | Secchi disk transparency         |              |
| Lovers Lake          | MA96186    | Chatham                                                                                                                                                                                              | 37   | ACRES        | Secchi disk transparency         |              |
| Lower Mill Pond      | MA96188    | Brewster                                                                                                                                                                                             | 44   | ACRES        | Chlorophyll-a                    |              |
|                      |            |                                                                                                                                                                                                      |      |              | Excess Algal Growth              |              |
|                      |            |                                                                                                                                                                                                      |      |              | Phosphorus (Total)               |              |
|                      |            |                                                                                                                                                                                                      |      |              | Secchi disk transparency         |              |
|                      |            |                                                                                                                                                                                                      |      |              | Turbidity                        |              |
| Middle Pond          | MA96198    | Barnstable                                                                                                                                                                                           | 104  | ACRES        | Oxygen, Dissolved                |              |
| Mill Creek           | MA96-80    | Headwaters, outlet Mill Pond, Yarmouth to confluence with Lewis Bay, Yarmouth.                                                                                                                       | 0.07 | SQUARE MILES | Fecal Coliform                   | 42365        |
|                      |            |                                                                                                                                                                                                      |      |              | Nitrogen (Total)                 |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                         | SIZE | UNITS        | IMPAIRMENT CAUSE                                             | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|--------------------------------------------------------------|--------------|
| Mystic Lake       | MA96218    | Barnstable                                                                                                                                                                                          | 146  | ACRES        | (Non-Native Aquatic Plants*)                                 |              |
|                   |            |                                                                                                                                                                                                     |      |              | Oxygen, Dissolved                                            |              |
| Popponesset Creek | MA96-39    | All waters west of Popponesset Island (from Popponesset Island Road bridge at the north to a line extended from the southeastern most point of the island southerly to Popponesset Beach), Mashpee. | 0.05 | SQUARE MILES | Estuarine Bioassessments                                     |              |
| Red Lily Pond     | MA96257    | Barnstable                                                                                                                                                                                          | 4    | ACRES        | Fecal Coliform                                               |              |
|                   |            |                                                                                                                                                                                                     |      |              | Nutrient/Eutrophication Biological Indicators                |              |
| Ryder Pond        | MA96268    | Truro                                                                                                                                                                                               | 18   | ACRES        | Mercury in Fish Tissue                                       | 33880        |
|                   |            |                                                                                                                                                                                                     |      |              | Oxygen, Dissolved                                            |              |
|                   |            |                                                                                                                                                                                                     |      |              | Phosphorus (Total)                                           |              |
| Santuit Pond      | MA96277    | Mashpee                                                                                                                                                                                             | 164  | ACRES        | Abnormal Fish deformities, erosions, lesions, tumors (DELTS) |              |
|                   |            |                                                                                                                                                                                                     |      |              | Abnormal Fish Histology (Lesions)                            |              |
|                   |            |                                                                                                                                                                                                     |      |              | Chlorophyll-a                                                |              |
|                   |            |                                                                                                                                                                                                     |      |              | Excess Algal Growth                                          |              |
|                   |            |                                                                                                                                                                                                     |      |              | Nutrient/Eutrophication Biological Indicators                |              |
|                   |            |                                                                                                                                                                                                     |      |              | pH, High                                                     |              |
|                   |            |                                                                                                                                                                                                     |      |              | Phosphorus (Total)                                           |              |
|                   |            |                                                                                                                                                                                                     |      |              | Secchi disk transparency                                     |              |
| Shawme Lake Lower | MA96288    | Sandwich                                                                                                                                                                                            | 25   | ACRES        | Nutrient/Eutrophication Biological Indicators                |              |
| Stillwater Pond   | MA96309    | Chatham                                                                                                                                                                                             | 18   | ACRES        | Secchi disk transparency                                     |              |
| Swan Pond River   | MA96-14    | Headwaters, outlet Swan Pond, Dennis to confluence with Nantucket Sound, Dennis.                                                                                                                    | 0.04 | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                   |            |                                                                                                                                                                                                     |      |              | Fecal Coliform                                               | 36771        |
| Town Cove         | MA96-68    | Entire cove to Nauset Harbor, including Rachael Cove and Woods Cove, Orleans/Eastham (area associated with Cape Cod National Seashore designated as ORW).                                           | 0.79 | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                   |            |                                                                                                                                                                                                     |      |              | Fecal Coliform                                               | 36772        |
| Upper Shawme Lake | MA96326    | Sandwich                                                                                                                                                                                            | 21   | ACRES        | Nutrient/Eutrophication Biological Indicators                |              |
| Walkers Pond      | MA96331    | Brewster                                                                                                                                                                                            | 100  | ACRES        | Excess Algal Growth                                          |              |
|                   |            |                                                                                                                                                                                                     |      |              | Phosphorus (Total)                                           |              |
|                   |            |                                                                                                                                                                                                     |      |              | Secchi disk transparency                                     |              |
|                   |            |                                                                                                                                                                                                     |      |              | Turbidity                                                    |              |
| Waquoit Bay       | MA96-21    | From mouths of Seapit River, Quashnet River (also known as Moonakis River), Falmouth and Great River, Mashpee to confluence with Vineyard Sound, Falmouth/Mashpee.                                  | 1.42 | SQUARE MILES | Estuarine Bioassessments                                     |              |
|                   |            |                                                                                                                                                                                                     |      |              | Oxygen, Dissolved                                            |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                             | SEGMENT ID | DESCRIPTION                                                                                                                     | SIZE   | UNITS | IMPAIRMENT CAUSE                                  | EPA TMDL NO. |
|----------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------|--------|-------|---------------------------------------------------|--------------|
| <b>Charles</b>                   |            |                                                                                                                                 |        |       |                                                   |              |
| Alder Brook                      | MA72-22    | Headwaters northwest of the Route 135 and South Street intersection, Needham to the confluence with the Charles River, Needham. | 0.282  | MILES | Aquatic Macroinvertebrate Bioassessments          | 40317        |
|                                  |            |                                                                                                                                 |        |       | Nutrient/Eutrophication Biological Indicators     |              |
| Beaver Brook                     | MA72-12    | Headwaters, outlet Beaver Pond, Bellingham to the confluence with the Charles River, Bellingham.                                | 1.413  | MILES | Escherichia coli                                  |              |
| Beaver Brook                     | MA72-28    | Headwaters, north of Route 2, Lexington through culverting to Charles River, Waltham.                                           | 5.535  | MILES | (Non-Native Aquatic Plants*)                      |              |
|                                  |            |                                                                                                                                 |        |       | (Other anthropogenic substrate alterations*)      |              |
|                                  |            |                                                                                                                                 |        |       | (Other flow regime alterations*)                  |              |
|                                  |            |                                                                                                                                 |        |       | Escherichia coli                                  | 32379        |
|                                  |            |                                                                                                                                 |        |       | Excess Algal Growth                               | 40317        |
|                                  |            |                                                                                                                                 |        |       | Organic Enrichment (Sewage) Biological Indicators | 40317        |
|                                  |            |                                                                                                                                 |        |       | Oxygen, Dissolved                                 | 40317        |
|                                  |            |                                                                                                                                 |        |       | Phosphorus (Total)                                | 40317        |
|                                  |            |                                                                                                                                 |        |       | Sedimentation/Siltation                           |              |
|                                  |            |                                                                                                                                 |        |       | Taste and Odor                                    |              |
|                                  |            |                                                                                                                                 |        |       | Turbidity                                         | 40317        |
| Bulloughs Pond                   | MA72011    | Newton                                                                                                                          | 6.887  | ACRES | Excess Algal Growth                               |              |
|                                  |            |                                                                                                                                 |        |       | Nutrient/Eutrophication Biological Indicators     |              |
| Cambridge Reservoir, Upper Basin | MA72156    | Lincoln/Lexington                                                                                                               | 43.998 | ACRES | Aquatic Plants (Macrophytes)                      |              |
|                                  |            |                                                                                                                                 |        |       | Turbidity                                         |              |
| Chandler Pond                    | MA72017    | Boston                                                                                                                          | 11.394 | ACRES | Excess Algal Growth                               |              |
|                                  |            |                                                                                                                                 |        |       | Nutrient/Eutrophication Biological Indicators     |              |
|                                  |            |                                                                                                                                 |        |       | Phosphorus (Total)                                |              |
|                                  |            |                                                                                                                                 |        |       | Secchi disk transparency                          |              |
| Charles River                    | MA72-03    | Milford WWTF discharge, Hopedale to outlet Box Pond (formerly segment MA72008), Bellingham.                                     | 3.374  | MILES | DDT                                               |              |
|                                  |            |                                                                                                                                 |        |       | Dissolved oxygen saturation                       | 40317        |
|                                  |            |                                                                                                                                 |        |       | Escherichia coli                                  | 32365        |
|                                  |            |                                                                                                                                 |        |       | Excess Algal Growth                               | 40317        |
|                                  |            |                                                                                                                                 |        |       | Organic Enrichment (Sewage) Biological Indicators | 40317        |
|                                  |            |                                                                                                                                 |        |       | Phosphorus (Total)                                | 40317        |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME          | SEGMENT ID | DESCRIPTION                                                          | SIZE   | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|---------------|------------|----------------------------------------------------------------------|--------|-------|--------------------------------------------------|--------------|
| Charles River | MA72-04    | Outlet Box Pond, Bellingham to inlet Populatic Pond, Norfolk/Medway. | 11.457 | MILES | (Other flow regime alterations*)                 |              |
|               |            |                                                                      |        |       | Chlordane                                        |              |
|               |            |                                                                      |        |       | DDT                                              |              |
|               |            |                                                                      |        |       | Escherichia coli                                 | 32366        |
|               |            |                                                                      |        |       | Fishes Bioassessments                            |              |
|               |            |                                                                      |        |       | Mercury in Fish Tissue                           |              |
| Charles River | MA72-05    | Outlet Populatic Pond, Norfolk/Medway to South Natick Dam, Natick.   | 18.078 | MILES | (Non-Native Aquatic Plants*)                     |              |
|               |            |                                                                      |        |       | Aquatic Macroinvertebrate Bioassessments         |              |
|               |            |                                                                      |        |       | Chlordane                                        |              |
|               |            |                                                                      |        |       | DDT                                              |              |
|               |            |                                                                      |        |       | Dissolved oxygen saturation                      | 40317        |
|               |            |                                                                      |        |       | Excess Algal Growth                              | 40317        |
|               |            |                                                                      |        |       | Mercury in Fish Tissue                           |              |
|               |            |                                                                      |        |       | Nutrient/Eutrophication Biological Indicators    | 40317        |
|               |            |                                                                      |        |       | Oxygen, Dissolved                                | 40317        |
|               |            |                                                                      |        |       | Phosphorus (Total)                               | 40317        |
| Charles River | MA72-06    | South Natick Dam, Natick to Chestnut Street, Needham/Dover.          | 8.356  | MILES | Turbidity                                        | 40317        |
|               |            |                                                                      |        |       | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|               |            |                                                                      |        |       | (Non-Native Aquatic Plants*)                     |              |
|               |            |                                                                      |        |       | (Other flow regime alterations*)                 |              |
|               |            |                                                                      |        |       | DDT                                              |              |
|               |            |                                                                      |        |       | Excess Algal Growth                              | 40317        |
|               |            |                                                                      |        |       | Fishes Bioassessments                            |              |
|               |            |                                                                      |        |       | Nutrient/Eutrophication Biological Indicators    | 40317        |
|               |            |                                                                      |        |       | Other                                            |              |
|               |            |                                                                      |        |       | PCB in Fish Tissue                               |              |
|               |            |                                                                      |        |       | Phosphorus (Total)                               | 40317        |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME          | SEGMENT ID | DESCRIPTION                                                                                                    | SIZE   | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|---------------|------------|----------------------------------------------------------------------------------------------------------------|--------|-------|--------------------------------------------------|--------------|
| Charles River | MA72-07    | Chestnut Street, Needham to Watertown Dam, Watertown.                                                          | 24.774 | MILES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|               |            |                                                                                                                |        |       | (Fish-Passage Barrier*)                          |              |
|               |            |                                                                                                                |        |       | (Non-Native Aquatic Plants*)                     |              |
|               |            |                                                                                                                |        |       | (Other flow regime alterations*)                 |              |
|               |            |                                                                                                                |        |       | DDT                                              |              |
|               |            |                                                                                                                |        |       | Escherichia coli                                 | 32370        |
|               |            |                                                                                                                |        |       | Fishes Bioassessments                            |              |
|               |            |                                                                                                                |        |       | Nutrient/Eutrophication Biological Indicators    | 40317        |
|               |            |                                                                                                                |        |       | PCB in Fish Tissue                               |              |
|               |            |                                                                                                                |        |       | Phosphorus (Total)                               | 40317        |
| Charles River | MA72-36    | Watertown Dam, Watertown to the Boston University Bridge, Boston/Cambridge (formerly part of segment MA72-08). | 6.052  | MILES | (Fish-Passage Barrier*)                          |              |
|               |            |                                                                                                                |        |       | (Non-Native Aquatic Plants*)                     |              |
|               |            |                                                                                                                |        |       | (Other flow regime alterations*)                 |              |
|               |            |                                                                                                                |        |       | Chlorophyll-a                                    | 33826        |
|               |            |                                                                                                                |        |       | DDT                                              |              |
|               |            |                                                                                                                |        |       | Escherichia coli                                 | 32371        |
|               |            |                                                                                                                |        |       | Fishes Bioassessments                            |              |
|               |            |                                                                                                                |        |       | Nutrient/Eutrophication Biological Indicators    | 33826        |
|               |            |                                                                                                                |        |       | Oil and Grease                                   |              |
|               |            |                                                                                                                |        |       | Other                                            |              |
|               |            |                                                                                                                |        |       | Oxygen, Dissolved                                |              |
|               |            |                                                                                                                |        |       | PCB in Fish Tissue                               |              |
|               |            |                                                                                                                |        |       | pH, High                                         |              |
|               |            |                                                                                                                |        |       | Phosphorus (Total)                               | 33826        |
|               |            |                                                                                                                |        |       | Secchi disk transparency                         | 33826        |
|               |            |                                                                                                                |        |       | Sediment Bioassays -- Acute Toxicity Freshwater  |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                           | SIZE    | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------------------------------------------|--------------|
| Charles River        | MA72-38    | Boston University Bridge, Boston/Cambridge to the New Charles River Dam, Boston (formerly part of segment MA72-08).                                   | 3.092   | MILES | (Other flow regime alterations*)              |              |
|                      |            |                                                                                                                                                       |         |       | Chlorophyll-a                                 | 33826        |
|                      |            |                                                                                                                                                       |         |       | Combined Biota/Habitat Bioassessments         |              |
|                      |            |                                                                                                                                                       |         |       | DDT                                           |              |
|                      |            |                                                                                                                                                       |         |       | Dissolved oxygen saturation                   |              |
|                      |            |                                                                                                                                                       |         |       | Escherichia coli                              |              |
|                      |            |                                                                                                                                                       |         |       | Excess Algal Growth                           | 33826        |
|                      |            |                                                                                                                                                       |         |       | Nutrient/Eutrophication Biological Indicators | 33826        |
|                      |            |                                                                                                                                                       |         |       | Oil and Grease                                |              |
|                      |            |                                                                                                                                                       |         |       | Oxygen, Dissolved                             |              |
|                      |            |                                                                                                                                                       |         |       | PCB in Fish Tissue                            |              |
|                      |            |                                                                                                                                                       |         |       | Phosphorus (Total)                            | 33826        |
|                      |            |                                                                                                                                                       |         |       | Salinity                                      |              |
|                      |            |                                                                                                                                                       |         |       | Secchi disk transparency                      | 33826        |
|                      |            |                                                                                                                                                       |         |       | Sediment Screening Value (Exceedence)         |              |
|                      |            |                                                                                                                                                       |         |       | Taste and Odor                                | 33826        |
|                      |            |                                                                                                                                                       |         |       | Temperature, water                            |              |
| Fuller Brook         | MA72-18    | Headwater south of Route 135, Needham to confluence with Waban Brook, Wellesley.                                                                      | 4.282   | MILES | (Physical substrate habitat alterations*)     |              |
|                      |            |                                                                                                                                                       |         |       | Escherichia coli                              | 32374        |
|                      |            |                                                                                                                                                       |         |       | Nutrient/Eutrophication Biological Indicators | 40317        |
|                      |            |                                                                                                                                                       |         |       | Sedimentation/Siltation                       |              |
| Jamaica Pond         | MA72052    | Boston                                                                                                                                                | 66.734  | ACRES | Oxygen, Dissolved                             |              |
|                      |            |                                                                                                                                                       |         |       | Phosphorus (Total)                            |              |
| Kendrick Street Pond | MA72055    | Needham                                                                                                                                               | 39.264  | ACRES | Turbidity                                     |              |
| Lake Winthrop        | MA72140    | Holliston                                                                                                                                             | 131.341 | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                      |            |                                                                                                                                                       |         |       | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (only)    |              |
|                      |            |                                                                                                                                                       |         |       | Aquatic Plants (Macrophytes)                  | 40319        |
| Mill River           | MA72-15    | Headwaters, outlet Bush Pond, Norfolk to confluence with the Charles River, Norfolk.                                                                  | 3.47    | MILES | Temperature, water                            |              |
| Mine Brook           | MA72-14    | Headwaters in Franklin State Forest, Franklin to the confluence with the Charles River, Franklin (through Mine Brook Pond, formerly segment MA72077). | 8.942   | MILES | (Habitat Assessment (Streams*))               |              |
|                      |            |                                                                                                                                                       |         |       | Temperature, water                            |              |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                             | SIZE   | UNITS | IMPAIRMENT CAUSE                                  | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|-------|---------------------------------------------------|--------------|
| Muddy River       | MA72-11    | Headwaters, outlet Ward Pond in Olmstead Park, Boston through Leverett Pond, Boston/Brookline to confluence with Charles River, Boston. | 3.6    | MILES | (Bottom Deposits*)                                |              |
|                   |            |                                                                                                                                         |        |       | (Non-Native Aquatic Plants*)                      |              |
|                   |            |                                                                                                                                         |        |       | (Other flow regime alterations*)                  |              |
|                   |            |                                                                                                                                         |        |       | (Physical substrate habitat alterations*)         |              |
|                   |            |                                                                                                                                         |        |       | DDT                                               |              |
|                   |            |                                                                                                                                         |        |       | Escherichia coli                                  | 32383        |
|                   |            |                                                                                                                                         |        |       | Oil and Grease                                    |              |
|                   |            |                                                                                                                                         |        |       | Other                                             |              |
|                   |            |                                                                                                                                         |        |       | Oxygen, Dissolved                                 |              |
|                   |            |                                                                                                                                         |        |       | PCB in Fish Tissue                                |              |
|                   |            |                                                                                                                                         |        |       | Phosphorus (Total)                                |              |
|                   |            |                                                                                                                                         |        |       | Taste and Odor                                    |              |
|                   |            |                                                                                                                                         |        |       | Turbidity                                         |              |
| Populatic Pond    | MA72096    | Norfolk                                                                                                                                 | 41.911 | ACRES | Chlordane                                         |              |
|                   |            |                                                                                                                                         |        |       | DDT                                               |              |
|                   |            |                                                                                                                                         |        |       | Dissolved oxygen saturation                       | 40319        |
|                   |            |                                                                                                                                         |        |       | Excess Algal Growth                               | 40319        |
|                   |            |                                                                                                                                         |        |       | Mercury in Fish Tissue                            | 33880        |
|                   |            |                                                                                                                                         |        |       | Nutrient/Eutrophication Biological Indicators     | 40319        |
| Powissett Brook   | MA72-20    | Headwaters, outlet Noannet Pond, Westwood to confluence with Charles River, Dover.                                                      | 1.849  | MILES | Combined Biota/Habitat Bioassessments             |              |
| Rock Meadow Brook | MA72-21    | Headwaters in Fisher Meadow, Westwood through Stevens Pond and Lee Pond, Westwood to confluence with Charles River, Dedham.             | 3.771  | MILES | Aquatic Macroinvertebrate Bioassessments          |              |
|                   |            |                                                                                                                                         |        |       | Aquatic Plants (Macrophytes)                      | 40317        |
|                   |            |                                                                                                                                         |        |       | Excess Algal Growth                               | 40317        |
|                   |            |                                                                                                                                         |        |       | Nutrient/Eutrophication Biological Indicators     | 40317        |
|                   |            |                                                                                                                                         |        |       | Oxygen, Dissolved                                 | 40317        |
| Sawmill Brook     | MA72-23    | Headwaters, Newton to confluence with Charles River, Boston.                                                                            | 2.397  | MILES | Phosphorus (Total)                                | 40317        |
|                   |            |                                                                                                                                         |        |       | Chloride                                          |              |
|                   |            |                                                                                                                                         |        |       | Escherichia coli                                  | 32376        |
|                   |            |                                                                                                                                         |        |       | Organic Enrichment (Sewage) Biological Indicators | 40317        |
|                   |            |                                                                                                                                         |        |       | Oxygen, Dissolved                                 | 40317        |
|                   |            |                                                                                                                                         |        |       | Phosphorus (Total)                                | 40317        |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                       | SIZE  | UNITS | IMPAIRMENT CAUSE                                             | EPA TMDL NO. |
|-------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--------------------------------------------------------------|--------------|
| Stop River        | MA72-09    | Headwaters near Dedham Street (Route 1A), Wrentham to Norfolk-Walpole MCI discharge, Norfolk (through Highland Lake formerly segment MA72047).                    | 5.566 | MILES | Ambient Bioassays -- Chronic Aquatic Toxicity                |              |
|                   |            |                                                                                                                                                                   |       |       | Oxygen, Dissolved                                            | 40317        |
|                   |            |                                                                                                                                                                   |       |       | Phosphorus (Total)                                           | 40317        |
| Stop River        | MA72-10    | Norfolk-Walpole MCI discharge, Norfolk to confluence with Charles River, Medfield.                                                                                | 4.168 | MILES | Escherichia coli                                             | 32372        |
|                   |            |                                                                                                                                                                   |       |       | Organic Enrichment (Sewage) Biological Indicators            | 40317        |
|                   |            |                                                                                                                                                                   |       |       | Phosphorus (Total)                                           | 40317        |
|                   |            |                                                                                                                                                                   |       |       | Temperature, water                                           |              |
| Trout Brook       | MA72-19    | Headwaters, outlet Channings Pond, Dover to confluence with Charles River, Dover.                                                                                 | 2.772 | MILES | Nutrient/Eutrophication Biological Indicators                | 40317        |
|                   |            |                                                                                                                                                                   |       |       | Temperature, water                                           |              |
| Unnamed Tributary | MA72-30    | Locally known as Laundry Brook - emerges north of California Street, Watertown to the confluence with the Charles River, Watertown.                               | 0.023 | MILES | (Physical substrate habitat alterations*)                    |              |
|                   |            |                                                                                                                                                                   |       |       | Enterococcus                                                 | 32381        |
|                   |            |                                                                                                                                                                   |       |       | Escherichia coli                                             | 32381        |
|                   |            |                                                                                                                                                                   |       |       | Phosphorus (Total)                                           |              |
|                   |            |                                                                                                                                                                   |       |       | Taste and Odor                                               |              |
|                   |            |                                                                                                                                                                   |       |       | Total Suspended Solids (TSS)                                 |              |
|                   |            |                                                                                                                                                                   |       |       | Turbidity                                                    |              |
| Unnamed Tributary | MA72-31    | Locally known as "Millers River" - from emergence near Route 93, Cambridge/Boston to the confluence with the Charles River, Cambridge.                            | 0.207 | MILES | (Bottom Deposits*)                                           |              |
|                   |            |                                                                                                                                                                   |       |       | (Habitat Assessment (Streams*))                              |              |
|                   |            |                                                                                                                                                                   |       |       | Foam/Flocs/Scum/Oil Slicks                                   |              |
|                   |            |                                                                                                                                                                   |       |       | Other                                                        |              |
|                   |            |                                                                                                                                                                   |       |       | Petroleum Hydrocarbons                                       |              |
|                   |            |                                                                                                                                                                   |       |       | Polychlorinated biphenyls                                    |              |
|                   |            |                                                                                                                                                                   |       |       | Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems) |              |
|                   |            |                                                                                                                                                                   |       |       | Sedimentation/Siltation                                      |              |
|                   |            |                                                                                                                                                                   |       |       | Taste and Odor                                               |              |
| Waban Brook       | MA72-17    | Headwaters, outlet Lake Waban, Wellesley to confluence with the Charles River, Wellesley.                                                                         | 0.717 | MILES | Temperature, water                                           |              |
| <b>Chicopee</b>   |            |                                                                                                                                                                   |       |       |                                                              |              |
| Abbey Brook       | MA36-40    | Headwaters west of Saint James Avenue, Springfield through Bemis Pond (formerly reported as segment MA36011) to the confluence with the Chicopee River, Chicopee. | 1.5   | MILES | Total Suspended Solids (TSS)                                 |              |
| Alden Pond        | MA36003    | Ludlow                                                                                                                                                            | 4     | ACRES | Nutrient/Eutrophication Biological Indicators                |              |
| Brookhaven Lake   | MA36021    | West Brookfield                                                                                                                                                   | 34    | ACRES | Turbidity                                                    |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                                                           | SIZE | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------------------------------------------------|--------------|
| Browning Pond          | MA36025    | Oakham/Spencer                                                                                                                                                        | 106  | ACRES | (Non-Native Aquatic Plants*)                     |              |
|                        |            |                                                                                                                                                                       |      |       | Mercury in Fish Tissue                           |              |
|                        |            |                                                                                                                                                                       |      |       | Nutrient/Eutrophication Biological Indicators    | 3626         |
| Chicopee River         | MA36-22    | Source, confluence of Ware River and Quaboag River, Palmer (through Red Bridge Impoundment formerly segment MA36171) to Red Bridge Impoundment Dam, Wilbraham/Ludlow. | 2.8  | MILES | Escherichia coli                                 |              |
|                        |            |                                                                                                                                                                       |      |       | Mercury in Fish Tissue                           |              |
| Chicopee River         | MA36-24    | Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow to Chicopee Falls Dam, Chicopee.                                                                               | 9.1  | MILES | Fecal Coliform                                   |              |
| Chicopee River         | MA36-25    | Chicopee Falls Dam, Chicopee to confluence with Connecticut River, Chicopee.                                                                                          | 3    | MILES | Escherichia coli                                 |              |
| Dean Pond              | MA36050    | Oakham                                                                                                                                                                | 64   | ACRES | Excess Algal Growth                              |              |
|                        |            |                                                                                                                                                                       |      |       | Turbidity                                        |              |
| Doane Pond             | MA36054    | North Brookfield                                                                                                                                                      | 28   | ACRES | Aquatic Plants (Macrophytes)                     |              |
| Eames Pond             | MA36056    | Paxton                                                                                                                                                                | 58   | ACRES | Oxygen, Dissolved                                |              |
| East Branch Ware River | MA36-01    | Outlet Bickford Pond, Hubbardston to confluence with the West Branch Ware River, Barre.                                                                               | 12.4 | MILES | Oxygen, Dissolved                                |              |
| East Brookfield River  | MA36-13    | Outlet Lake Lashaway, East Brookfield to Quaboag Pond, East Brookfield.                                                                                               | 2.4  | MILES | (Non-Native Aquatic Plants*)                     |              |
|                        |            |                                                                                                                                                                       |      |       | Oxygen, Dissolved                                |              |
| Forget-Me-Not Brook    | MA36-28    | North Brookfield WWTP discharge, North Brookfield to confluence with Dunn Brook, East Brookfield/Brookfield.                                                          | 1.3  | MILES | Aquatic Macroinvertebrate Bioassessments         |              |
|                        |            |                                                                                                                                                                       |      |       | Escherichia coli                                 |              |
|                        |            |                                                                                                                                                                       |      |       | Taste and Odor                                   |              |
|                        |            |                                                                                                                                                                       |      |       | Whole Effluent Toxicity (WET)                    |              |
| Fuller Brook           | MA36-41    | From the Ludlow/Chicopee corporate boundary where the stream name changes from Higher Brook, to the confluence with the Chicopee River, Chicopee.                     | 1.9  | MILES | Escherichia coli                                 |              |
| Lake Whittemore        | MA36165    | Spencer                                                                                                                                                               | 52   | ACRES | Turbidity                                        |              |
| Quaboag Pond           | MA36130    | Brookfield/East Brookfield                                                                                                                                            | 544  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                        |            |                                                                                                                                                                       |      |       | (Non-Native Aquatic Plants*)                     |              |
|                        |            |                                                                                                                                                                       |      |       | Excess Algal Growth                              | 33846        |
|                        |            |                                                                                                                                                                       |      |       | Mercury in Fish Tissue                           |              |
|                        |            |                                                                                                                                                                       |      |       | Phosphorus (Total)                               | 33846        |
| Quaboag River          | MA36-16    | Warren WWTP discharge, Warren to Route 32 bridge, Palmer/Monson.                                                                                                      | 8.7  | MILES | Fecal Coliform                                   |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                     | SIZE  | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-----------------------------------------------|--------------|
| Quaboag River           | MA36-17    | Route 32 bridge, Palmer/Monson to confluence with Ware River forming headwaters of Chicopee River, Palmer.                                                                      | 5.3   | MILES | Escherichia coli                              |              |
| Unnamed Tributary       | MA36-39    | Unnamed tributary to the Chicopee River locally known as "Poor Brook" from headwaters near the Conrail tracks, Springfield to the confluence with the Chicopee River, Chicopee. | 2.2   | MILES | Escherichia coli                              |              |
| Ware River              | MA36-03    | MDC intake, Barre to dam at South Barre Reservoir, Barre. (through former segments Powder Mill Pond MA36126 and South Barre Reservoir MA36141)                                  | 2.1   | MILES | Mercury in Fish Tissue                        |              |
| Ware River              | MA36-05    | Wheelwright Dam, New Braintree/Hardwick to Ware Dam, Ware.                                                                                                                      | 11.5  | MILES | Escherichia coli                              |              |
| Ware River              | MA36-06    | Ware Dam, Ware to Thorndike Dam, Palmer.                                                                                                                                        | 10.1  | MILES | Fecal Coliform                                |              |
| Ware River              | MA36-27    | Confluence of East Branch Ware and West Branch Ware rivers, Barre to MDC intake, Barre.                                                                                         | 4.9   | MILES | Oxygen, Dissolved                             |              |
|                         |            |                                                                                                                                                                                 |       |       | Temperature, water                            |              |
| <b>Concord (SuAsCo)</b> |            |                                                                                                                                                                                 |       |       |                                               |              |
| Assabet River           | MA82B-01   | Outlet of the Assabet River Reservoir, Westborough to the Westborough WWTP discharge, Westborough.                                                                              | 1.249 | MILES | (Low flow alterations*)                       |              |
|                         |            |                                                                                                                                                                                 |       |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                         |            |                                                                                                                                                                                 |       |       | Fecal Coliform                                |              |
|                         |            |                                                                                                                                                                                 |       |       | Phosphorus (Total)                            | 35103        |
| Assabet River           | MA82B-02   | From the Westborough WWTP discharge, Westborough to the Route 20 Dam, Northborough.                                                                                             | 3.802 | MILES | Aquatic Macroinvertebrate Bioassessments      |              |
|                         |            |                                                                                                                                                                                 |       |       | Fecal Coliform                                |              |
|                         |            |                                                                                                                                                                                 |       |       | Nutrient/Eutrophication Biological Indicators | 35104        |
|                         |            |                                                                                                                                                                                 |       |       | Oxygen, Dissolved                             | 35104        |
| Assabet River           | MA82B-03   | From the Route 20 Dam, Northborough to the Marlborough West WWTP discharge, Marlborough.                                                                                        | 2.439 | MILES | Phosphorus (Total)                            | 35104        |
|                         |            |                                                                                                                                                                                 |       |       | (Debris/Floatables/Trash*)                    |              |
|                         |            |                                                                                                                                                                                 |       |       | (Non-Native Aquatic Plants*)                  |              |
|                         |            |                                                                                                                                                                                 |       |       | Excess Algal Growth                           | 35105        |
|                         |            |                                                                                                                                                                                 |       |       | Fecal Coliform                                |              |
|                         |            |                                                                                                                                                                                 |       |       | Phosphorus (Total)                            | 35105        |
|                         |            |                                                                                                                                                                                 |       |       | Taste and Odor                                |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                 | SIZE   | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|-------------------------|------------|---------------------------------------------------------------------------------------------|--------|-------|--------------------------------------------------|--------------|
| Assabet River           | MA82B-04   | From the Marlborough West WWTP discharge, Marlborough to the Hudson WWTP discharge, Hudson. | 8.017  | MILES | Aquatic Macroinvertebrate Bioassessments         |              |
|                         |            |                                                                                             |        |       | Aquatic Plants (Macrophytes)                     | 35106        |
|                         |            |                                                                                             |        |       | Excess Algal Growth                              | 35106        |
|                         |            |                                                                                             |        |       | Fecal Coliform                                   |              |
|                         |            |                                                                                             |        |       | Fishes Bioassessments                            |              |
|                         |            |                                                                                             |        |       | Oxygen, Dissolved                                | 35106        |
|                         |            |                                                                                             |        |       | Phosphorus (Total)                               | 35106        |
| Assabet River           | MA82B-05   | From the Hudson WWTP discharge, Hudson to the USGS gage at Routes 27/62, Maynard.           | 8.197  | MILES | (Debris/Floatables/Trash*)                       |              |
|                         |            |                                                                                             |        |       | (Non-Native Aquatic Plants*)                     |              |
|                         |            |                                                                                             |        |       | Aquatic Plants (Macrophytes)                     | 35107        |
|                         |            |                                                                                             |        |       | Excess Algal Growth                              | 35107        |
|                         |            |                                                                                             |        |       | Fecal Coliform                                   |              |
|                         |            |                                                                                             |        |       | Nutrient/Eutrophication Biological Indicators    | 35107        |
|                         |            |                                                                                             |        |       | Oxygen, Dissolved                                | 35107        |
|                         |            |                                                                                             |        |       | Phosphorus (Total)                               | 35107        |
| Assabet River           | MA82B-06   | From the USGS gage at Routes 27/62, Maynard to the Powdermill Dam, Acton.                   | 1.22   | MILES | (Debris/Floatables/Trash*)                       |              |
|                         |            |                                                                                             |        |       | (Non-Native Aquatic Plants*)                     |              |
|                         |            |                                                                                             |        |       | Aquatic Plants (Macrophytes)                     | 35108        |
|                         |            |                                                                                             |        |       | Excess Algal Growth                              | 35108        |
|                         |            |                                                                                             |        |       | Other                                            |              |
|                         |            |                                                                                             |        |       | Oxygen, Dissolved                                | 35108        |
|                         |            |                                                                                             |        |       | Phosphorus (Total)                               | 35108        |
|                         |            |                                                                                             |        |       | Taste and Odor                                   |              |
| Assabet River           | MA82B-07   | From the Powdermill Dam, Acton to the confluence with the Sudbury River, Concord.           | 6.402  | MILES | Temperature, water                               |              |
|                         |            |                                                                                             |        |       | Fecal Coliform                                   |              |
|                         |            |                                                                                             |        |       | Phosphorus (Total)                               | 35109        |
| Assabet River Reservoir | MA82004    | Westborough                                                                                 | 338.14 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                         |            |                                                                                             |        |       | Dissolved oxygen saturation                      | 35103        |
|                         |            |                                                                                             |        |       | Excess Algal Growth                              |              |
|                         |            |                                                                                             |        |       | Mercury in Fish Tissue                           | 33880        |
|                         |            |                                                                                             |        |       | Oxygen, Dissolved                                | 35103        |
|                         |            |                                                                                             |        |       | Turbidity                                        |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                  | SIZE   | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|-------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--------------------------------------------------|--------------|
| Carding Mill Pond | MA82015    | Sudbury                                                                                                                                      | 40.466 | ACRES | (Non-Native Aquatic Plants*)                     |              |
|                   |            |                                                                                                                                              |        |       | Aquatic Plants (Macrophytes)                     |              |
|                   |            |                                                                                                                                              |        |       | Dissolved oxygen saturation                      |              |
|                   |            |                                                                                                                                              |        |       | Excess Algal Growth                              |              |
|                   |            |                                                                                                                                              |        |       | Phosphorus (Total)                               |              |
| Concord River     | MA82A-07   | From the confluence of the Assabet and Sudbury rivers, Concord to the Billerica Water Supply intake, Billerica.                              | 10.394 | MILES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                   |            |                                                                                                                                              |        |       | (Non-Native Aquatic Plants*)                     |              |
|                   |            |                                                                                                                                              |        |       | Fecal Coliform                                   |              |
|                   |            |                                                                                                                                              |        |       | Mercury in Fish Tissue                           |              |
|                   |            |                                                                                                                                              |        |       | Phosphorus (Total)                               |              |
| Concord River     | MA82A-08   | From the Billerica Water Supply intake, Billerica to Rogers Street bridge, Lowell.                                                           | 5.073  | MILES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                   |            |                                                                                                                                              |        |       | (Non-Native Aquatic Plants*)                     |              |
|                   |            |                                                                                                                                              |        |       | Mercury in Fish Tissue                           |              |
|                   |            |                                                                                                                                              |        |       | Phosphorus (Total)                               |              |
| Concord River     | MA82A-09   | From the Rogers Street bridge, Lowell to the confluence with the Merrimack River, Lowell.                                                    | 0.899  | MILES | (Debris/Floatables/Trash*)                       |              |
|                   |            |                                                                                                                                              |        |       | Excess Algal Growth                              |              |
|                   |            |                                                                                                                                              |        |       | Fecal Coliform                                   |              |
|                   |            |                                                                                                                                              |        |       | Mercury in Fish Tissue                           |              |
|                   |            |                                                                                                                                              |        |       | Phosphorus (Total)                               |              |
| Dudley Pond       | MA82029    | Wayland                                                                                                                                      | 83.173 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                   |            |                                                                                                                                              |        |       | (Non-Native Aquatic Plants*)                     |              |
|                   |            |                                                                                                                                              |        |       | Oxygen, Dissolved                                |              |
|                   |            |                                                                                                                                              |        |       | Turbidity                                        |              |
| Eames Brook       | MA82A-13   | From the outlet of Farm Pond, Framingham to the confluence with the Sudbury River, Framingham.                                               | 0.566  | MILES | (Debris/Floatables/Trash*)                       |              |
|                   |            |                                                                                                                                              |        |       | (Non-Native Aquatic Plants*)                     |              |
|                   |            |                                                                                                                                              |        |       | Aquatic Macroinvertebrate Bioassessments         |              |
|                   |            |                                                                                                                                              |        |       | Excess Algal Growth                              |              |
|                   |            |                                                                                                                                              |        |       | Taste and Odor                                   |              |
| Elizabeth Brook   | MA82B-12   | From the outlet of an unnamed pond (Delaney Project on Stow/Harvard border) west of Harvard Road, Stow to the inlet of Fletchers Pond, Stow. | 3.71   | MILES | Aquatic Macroinvertebrate Bioassessments         |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                    | SEGMENT ID | DESCRIPTION         | SIZE    | UNITS | IMPAIRMENT CAUSE                                                | EPA TMDL NO. |
|-------------------------|------------|---------------------|---------|-------|-----------------------------------------------------------------|--------------|
| Farm Pond               | MA82035    | Framingham          | 139.682 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                |              |
|                         |            |                     |         |       | (Non-Native Aquatic Plants*)                                    |              |
|                         |            |                     |         |       | Excess Algal Growth                                             |              |
|                         |            |                     |         |       | Turbidity                                                       |              |
| Fort Meadow Reservoir   | MA82042    | Marlborough/Hudson  | 254     | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                |              |
|                         |            |                     |         |       | Chlordane                                                       |              |
|                         |            |                     |         |       | Phosphorus (Total)                                              |              |
| Framingham Reservoir #1 | MA82044    | Framingham          | 117.597 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)                |              |
|                         |            |                     |         |       | (Non-Native Aquatic Plants*)                                    |              |
|                         |            |                     |         |       | Mercury in Fish Tissue                                          |              |
| Framingham Reservoir #2 | MA82045    | Framingham/Ashland  | 114.357 | ACRES | Mercury in Fish Tissue                                          |              |
|                         |            |                     |         |       | Turbidity                                                       |              |
| Grist Mill Pond         | MA82055    | Sudbury/Marlborough | 16.731  | ACRES | (Non-Native Aquatic Plants*)                                    |              |
|                         |            |                     |         |       | Aquatic Plants (Macrophytes)                                    |              |
|                         |            |                     |         |       | Dissolved oxygen saturation                                     |              |
|                         |            |                     |         |       | Excess Algal Growth                                             |              |
|                         |            |                     |         |       | Fecal Coliform                                                  |              |
|                         |            |                     |         |       | Phosphorus (Total)                                              |              |
| Hager Pond              | MA82056    | Marlborough         | 29.917  | ACRES | (Non-Native Aquatic Plants*)                                    |              |
|                         |            |                     |         |       | Aquatic Plants (Macrophytes)                                    |              |
|                         |            |                     |         |       | Dissolved oxygen saturation                                     |              |
|                         |            |                     |         |       | Excess Algal Growth                                             |              |
|                         |            |                     |         |       | Fecal Coliform                                                  |              |
|                         |            |                     |         |       | Phosphorus (Total)                                              |              |
| Heard Pond              | MA82058    | Wayland             | 75.632  | ACRES | (Non-Native Aquatic Plants*)                                    |              |
|                         |            |                     |         |       | Excess Algal Growth                                             |              |
|                         |            |                     |         |       | Mercury in Fish Tissue                                          |              |
|                         |            |                     |         |       | Secchi disk transparency                                        |              |
| Heart Pond              | MA82059    | Chelmsford/Westford | 93.862  | ACRES | Escherichia coli                                                |              |
| Hocomonco Pond          | MA82060    | Westborough         | 26.938  | ACRES | Polycyclic Aromatic Hydrocarbons (PAHs)<br>(Aquatic Ecosystems) |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                         | SIZE    | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|---------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------------------------------------------------|--------------|
| Hop Brook           | MA82A-05   | Outlet of Carding Mill Pond, Sudbury to confluence with Allowance Brook, Sudbury (Allowance Brook was identified as Landham Brook on USGS quads prior to 1987).                                                                                                                     | 6.717   | MILES | Dissolved oxygen saturation                      |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Excess Algal Growth                              |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Phosphorus (Total)                               |              |
| Hop Brook           | MA82A-06   | From the confluence of Allowance Brook, Sudbury to the confluence with the Sudbury River, Wayland (this segment was formerly identified as Wash Brook, Hop Brook appeared as Wash Brook and Allowance Brook was previously identified as Landham Brook on USGSquads prior to 1987). | 2.971   | MILES | Excess Algal Growth                              |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Fecal Coliform                                   |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Phosphorus (Total)                               |              |
| Hopkinton Reservoir | MA82061    | Hopkinton/Ashland                                                                                                                                                                                                                                                                   | 161.09  | ACRES | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Oxygen, Dissolved                                |              |
| Lake Cochituate     | MA82020    | [North Basin] Natick/Framingham/Wayland                                                                                                                                                                                                                                             | 195.59  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | PCB in Fish Tissue                               |              |
| Lake Cochituate     | MA82125    | [Middle Basin] Natick/Wayland                                                                                                                                                                                                                                                       | 134.528 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Enterococcus                                     |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | PCB in Fish Tissue                               |              |
| Lake Cochituate     | MA82126    | [Carling Basin] Natick                                                                                                                                                                                                                                                              | 14.318  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | PCB in Fish Tissue                               |              |
| Lake Cochituate     | MA82127    | [South Basin] Natick                                                                                                                                                                                                                                                                | 239.605 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | PCB in Fish Tissue                               |              |
| Long Pond           | MA82072    | Littleton                                                                                                                                                                                                                                                                           | 101.744 | ACRES | Excess Algal Growth                              |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Phosphorus (Total)                               |              |
| Nashoba Brook       | MA82B-14   | From source just south of Route 110 in Westford to confluence with Fort Pond Brook, Concord.                                                                                                                                                                                        | 9.411   | MILES | (Low flow alterations*)                          |              |
|                     |            |                                                                                                                                                                                                                                                                                     |         |       | Fishes Bioassessments                            |              |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                             | SIZE         | UNITS | IMPAIRMENT CAUSE                         | EPA TMDL NO. |
|--------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|------------------------------------------|--------------|
| Nutting Lake       | MA82088    | [East Basin] Billerica                                                                                                                                                  | 30.481       | ACRES | (Non-Native Aquatic Plants*)             |              |
|                    |            |                                                                                                                                                                         |              |       | Escherichia coli                         |              |
|                    |            |                                                                                                                                                                         |              |       | Mercury in Fish Tissue                   | 33880        |
| Pantry Brook       | MA82A-19   | From source west of Haynes Road, Sudbury to the confluence with the Sudbury River, Sudbury.                                                                             | 3.226        | MILES | Fecal Coliform                           |              |
| Puffers Pond       | MA82092    | Maynard/Sudbury                                                                                                                                                         | 28.441       | ACRES | Mercury in Fish Tissue                   |              |
| River Meadow Brook | MA82A-10   | From the outlet of Russell Mill Pond, Chelmsford to the confluence with the Concord River, Lowell.                                                                      | 6.415        | MILES | (Debris/Floatables/Trash*)               |              |
|                    |            |                                                                                                                                                                         |              |       | (Non-Native Aquatic Plants*)             |              |
|                    |            |                                                                                                                                                                         |              |       | Fecal Coliform                           |              |
| Saxonville Pond    | MA82097    | Framingham                                                                                                                                                              | 58.818       | ACRES | (Non-Native Aquatic Plants*)             |              |
|                    |            |                                                                                                                                                                         |              |       | Aquatic Plants (Macrophytes)             |              |
|                    |            |                                                                                                                                                                         |              |       | Mercury in Fish Tissue                   |              |
| Stearns Mill Pond  | MA82104    | Sudbury                                                                                                                                                                 | 19.079       | ACRES | (Non-Native Aquatic Plants*)             |              |
|                    |            |                                                                                                                                                                         |              |       | Aquatic Plants (Macrophytes)             |              |
|                    |            |                                                                                                                                                                         |              |       | Dissolved oxygen saturation              |              |
|                    |            |                                                                                                                                                                         |              |       | Excess Algal Growth                      |              |
|                    |            |                                                                                                                                                                         |              |       | Phosphorus (Total)                       |              |
|                    |            |                                                                                                                                                                         |              |       | Turbidity                                |              |
| Sudbury River      | MA82A-03   | Outlet Saxonville Pond, Framingham to confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland.     | 5.547        | MILES | Mercury in Fish Tissue                   |              |
| Sudbury River      | MA82A-04   | Confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland to confluence with Assabet River, Concord. | 11.693       | MILES | (Non-Native Aquatic Plants*)             |              |
|                    |            |                                                                                                                                                                         |              |       | Mercury in Fish Tissue                   |              |
| Sudbury River      | MA82A-25   | From the Fruit Street bridge Hopkinton/Westborough to the inlet of Framingham Reservoir #2, Ashland (formerly part of segment MA82A-02).                                | 6.295        | MILES | Mercury in Fish Tissue                   |              |
| Sudbury River      | MA82A-26   | From the outlet of Framingham Reservoir #1, Framingham to the inlet of Saxonville Pond, Framingham (formerly part of segment MA82A-02).                                 | 2.764        | MILES | Aquatic Macroinvertebrate Bioassessments |              |
|                    |            |                                                                                                                                                                         |              |       | Mercury in Fish Tissue                   |              |
| Unnamed Tributary  | MA82A-15   | From the source northeast of Indian Head Hill (near Route 20), Marlborough to the inlet of Hager Pond, Marlborough.                                                     | 1.05623<br>1 | MILES | Excess Algal Growth                      |              |
|                    |            |                                                                                                                                                                         |              |       | Oxygen, Dissolved                        |              |
|                    |            |                                                                                                                                                                         |              |       | Phosphorus (Total)                       |              |
|                    |            |                                                                                                                                                                         |              |       | Total Suspended Solids (TSS)             |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                               | SIZE    | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|---------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------------------------------------------------|--------------|
| Unnamed Tributary   | MA82A-16   | From the outlet of Hager Pond, Marlborough to the inlet of Grist Mill Pond, Marlborough.                                                                                                  | 0.165   | MILES | Dissolved oxygen saturation                      |              |
|                     |            |                                                                                                                                                                                           |         |       | Excess Algal Growth                              |              |
|                     |            |                                                                                                                                                                                           |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                           |         |       | pH, High                                         |              |
|                     |            |                                                                                                                                                                                           |         |       | Phosphorus (Total)                               |              |
|                     |            |                                                                                                                                                                                           |         |       | Total Suspended Solids (TSS)                     |              |
| Unnamed Tributary   | MA82A-17   | From the outlet of Grist Mill Pond, Sudbury to the inlet of Carding Mill Pond, Sudbury.                                                                                                   | 0.519   | MILES | Dissolved oxygen saturation                      |              |
|                     |            |                                                                                                                                                                                           |         |       | Excess Algal Growth                              |              |
|                     |            |                                                                                                                                                                                           |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                           |         |       | Phosphorus (Total)                               |              |
|                     |            |                                                                                                                                                                                           |         |       | Total Suspended Solids (TSS)                     |              |
| Unnamed Tributary   | MA82A-22   | Unnamed tributary to the Sudbury River locally known as Cochituate Brook, from the outlet of the north basin of Lake Cochituate, Framingham to confluence with Sudbury River, Framingham. | 1.352   | MILES | Aquatic Macroinvertebrate Bioassessments         |              |
|                     |            |                                                                                                                                                                                           |         |       | Nutrient/Eutrophication Biological Indicators    |              |
| Waushakum Pond      | MA82112    | Framingham/Ashland                                                                                                                                                                        | 87.195  | ACRES | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                           |         |       | Aquatic Plants (Macrophytes)                     |              |
|                     |            |                                                                                                                                                                                           |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                           |         |       | Phosphorus (Total)                               |              |
|                     |            |                                                                                                                                                                                           |         |       | Turbidity                                        |              |
| Whitehall Reservoir | MA82120    | Hopkinton                                                                                                                                                                                 | 559.601 | ACRES | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                           |         |       | Mercury in Fish Tissue                           | 33880        |
|                     |            |                                                                                                                                                                                           |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                           |         |       | Phosphorus (Total)                               |              |
| Connecticut         |            |                                                                                                                                                                                           |         |       |                                                  |              |
| Arcadia Lake        | MA34005    | Belchertown                                                                                                                                                                               | 32.314  | ACRES | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                           |         |       | Nutrient/Eutrophication Biological Indicators    |              |
| Barton Cove         | MA34122    | (CT River) Gill                                                                                                                                                                           | 159.684 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                     |            |                                                                                                                                                                                           |         |       | (Non-Native Aquatic Plants*)                     |              |
|                     |            |                                                                                                                                                                                           |         |       | Escherichia coli                                 |              |
|                     |            |                                                                                                                                                                                           |         |       | PCB in Fish Tissue                               |              |
| Bloody Brook        | MA34-36    | From the railroad tracks north of North Main Street, Deerfield to the confluence with Mill River, Whately.                                                                                | 3.679   | MILES | Escherichia coli                                 |              |
|                     |            |                                                                                                                                                                                           |         |       | Oxygen, Dissolved                                |              |
|                     |            |                                                                                                                                                                                           |         |       | Phosphorus (Total)                               |              |
|                     |            |                                                                                                                                                                                           |         |       | Turbidity                                        |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                                                           | SIZE   | UNITS | IMPAIRMENT CAUSE                                           | EPA TMDL NO. |
|------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|------------------------------------------------------------|--------------|
| Buttery Brook          | MA34-42    | Headwaters (perennial portion), west of Haig Avenue, South Hadley to the confluence with the Connecticut River, South Hadley (interrupted urban, portions culverted). | 1.6    | MILES | Escherichia coli                                           |              |
| Connecticut River      | MA34-01    | New Hampshire/Vermont/Massachusetts state line to Route 10 bridge, Northfield.                                                                                        | 3.48   | MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                        |            |                                                                                                                                                                       |        |       | (Other flow regime alterations*)                           |              |
|                        |            |                                                                                                                                                                       |        |       | PCB in Fish Tissue                                         |              |
| Connecticut River      | MA34-02    | Route 10 bridge, Northfield to Turners Falls Dam, Gill/Montague.                                                                                                      | 11.213 | MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                        |            |                                                                                                                                                                       |        |       | (Other flow regime alterations*)                           |              |
|                        |            |                                                                                                                                                                       |        |       | PCB in Fish Tissue                                         |              |
| Connecticut River      | MA34-03    | Turners Falls Dam, Gil/Montague to confluence with Deerfield River, Greenfield/Montague/Deerfield.                                                                    | 3.604  | MILES | (Low flow alterations*)                                    |              |
|                        |            |                                                                                                                                                                       |        |       | (Other flow regime alterations*)                           |              |
|                        |            |                                                                                                                                                                       |        |       | PCB in Fish Tissue                                         |              |
|                        |            |                                                                                                                                                                       |        |       | Total Suspended Solids (TSS)                               |              |
| Connecticut River      | MA34-04    | Confluence with Deerfield River, Greenfield/Montague/Deerfield to Holyoke Dam, Holyoke/South Hadley.                                                                  | 34.372 | MILES | Escherichia coli                                           |              |
|                        |            |                                                                                                                                                                       |        |       | PCB in Fish Tissue                                         |              |
| Connecticut River      | MA34-05    | Holyoke Dam, Holyoke/South Hadley to Massachusetts/Connecticut border.                                                                                                | 15.853 | MILES | Escherichia coli                                           |              |
|                        |            |                                                                                                                                                                       |        |       | PCB in Fish Tissue                                         |              |
|                        |            |                                                                                                                                                                       |        |       | Total Suspended Solids (TSS)                               |              |
| Forge Pond             | MA34024    | Granby                                                                                                                                                                | 72.034 | ACRES | (Non-Native Aquatic Plants*)                               |              |
|                        |            |                                                                                                                                                                       |        |       | Nutrient/Eutrophication Biological Indicators              |              |
| Fort River             | MA34-27    | Headwaters (confluence of Adams and Amethyst brooks, Amherst), to confluence Connecticut River, Hadley.                                                               | 12.812 | MILES | Escherichia coli                                           |              |
| Lake Lookout           | MA34044    | Springfield                                                                                                                                                           | 6.644  | ACRES | Nutrient/Eutrophication Biological Indicators              |              |
| Lampson Brook          | MA34-06    | Belchertown WWTP discharge, Belchertown to confluence with Weston Brook, Belchertown.                                                                                 | 1.158  | MILES | Oxygen, Dissolved                                          |              |
|                        |            |                                                                                                                                                                       |        |       | Phosphorus (Total)                                         |              |
| Leaping Well Reservoir | MA34040    | South Hadley                                                                                                                                                          | 8.806  | ACRES | (Non-Native Aquatic Plants*)                               |              |
|                        |            |                                                                                                                                                                       |        |       | Excess Algal Growth                                        |              |
| Log Pond Cove          | MA34124    | Holyoke                                                                                                                                                               | 19.205 | ACRES | (Non-Native Aquatic Plants*)                               |              |
|                        |            |                                                                                                                                                                       |        |       | PCB in Fish Tissue                                         |              |
| Manhan River           | MA34-11    | Outlet Tighe Carmody Reservoir, Southampton to confluence with Connecticut River, Easthampton.                                                                        | 19.168 | MILES | Escherichia coli                                           |              |
| Metacomet Lake         | MA34051    | Belchertown                                                                                                                                                           | 50.525 | ACRES | (Non-Native Aquatic Plants*)                               |              |
|                        |            |                                                                                                                                                                       |        |       | Oxygen, Dissolved                                          |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                     | SIZE    | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|--------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------------------------------------------|--------------|
| Mill Pond                | MA34052    | Springfield                                                                                                                                                                                                                     | 13.241  | ACRES | Nutrient/Eutrophication Biological Indicators |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Taste and Odor                                |              |
| Mill River               | MA34-25    | Headwaters, outlet Factory Hollow Pond, Amherst to inlet Lake Warner, Hadley.                                                                                                                                                   | 5.228   | MILES | Escherichia coli                              |              |
| Mill River               | MA34-28    | Headwaters (confluence of East and West Branch Mill River, Williamsburg), to outlet Paradise Pond, Northampton.                                                                                                                 | 9.979   | MILES | Escherichia coli                              |              |
| Mill River               | MA34-29    | Headwaters, outlet Watershops Pond, Springfield to confluence with Connecticut River, Springfield. (Interrupted stream)                                                                                                         | 1.294   | MILES | Escherichia coli                              |              |
| Nashawannuck Pond        | MA34057    | Easthampton                                                                                                                                                                                                                     | 30.068  | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Nutrient/Eutrophication Biological Indicators |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Phosphorus (Total)                            |              |
| Noonan Cove              | MA34058    | Springfield                                                                                                                                                                                                                     | 2.712   | ACRES | Aquatic Plants (Macrophytes)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Turbidity                                     |              |
| Oxbow                    | MA34066    | The waterbody west of Route 91 (bounded on the northeast by Route 91, the southeast by the Manhan River, and the west by Old Springfield Road), Northampton/Easthampton (excluding the delineated segment; Danks Pond MA34019). | 148.057 | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Turbidity                                     |              |
| Porter Lake              | MA34073    | Springfield                                                                                                                                                                                                                     | 27.931  | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Aquatic Plants (Macrophytes)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Excess Algal Growth                           |              |
| Porter Lake West         | MA34072    | Springfield                                                                                                                                                                                                                     | 5.036   | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Aquatic Plants (Macrophytes)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Excess Algal Growth                           |              |
| Stony Brook              | MA34-19    | Headwaters, Granby to confluence with Connecticut River, South Hadley (thru Upper Pond formerly segment MA34095 and Lower Pond formerly segment MA34049).                                                                       | 13.334  | MILES | (Non-Native Aquatic Plants*)                  |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Escherichia coli                              |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Turbidity                                     |              |
| Upper Van Horn Park Pond | MA34128    | Springfield (Changed from MA36158 to 34128 on 6/21/02, TRD)                                                                                                                                                                     | 8.261   | ACRES | Nutrient/Eutrophication Biological Indicators |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Phosphorus (Total)                            |              |
| Venture Pond             | MA34096    | Springfield                                                                                                                                                                                                                     | 6.516   | ACRES | Nutrient/Eutrophication Biological Indicators |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Oxygen, Dissolved                             |              |
|                          |            |                                                                                                                                                                                                                                 |         |       | Phosphorus (Total)                            |              |
| Watershops Pond          | MA34099    | Springfield                                                                                                                                                                                                                     | 161.531 | ACRES | Nutrient/Eutrophication Biological Indicators |              |
| Weston Brook             | MA34-23    | Headwaters, Belchertown to inlet Forge Pond, Granby.                                                                                                                                                                            | 2.702   | MILES | Phosphorus (Total)                            |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                                                                                              | SIZE     | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|--------------------------------------------------|--------------|
| Wilton Brook                 | MA34-15    | Headwaters, Easthampton to outlet RubberThread Pond (formerly segment MA34105) , Easthampton.                                                                                            | 1.132    | MILES | (Non-Native Aquatic Plants*)                     |              |
|                              |            |                                                                                                                                                                                          |          |       | Aquatic Plants (Macrophytes)                     |              |
| Deerfield                    |            |                                                                                                                                                                                          |          |       |                                                  |              |
| Chickley River               | MA33-11    | Headwaters Savoy Mountain State Forest, Savoy to confluence with Deerfield River, Charlemont.                                                                                            | 11.084   | MILES | Fecal Coliform                                   |              |
| Davis Mine Brook             | MA33-18    | Headwaters, just south of Dell Road, Rowe to confluence with Mill Brook, Charlemont.                                                                                                     | 3.301077 | MILES | pH, Low                                          |              |
| Green River                  | MA33-30    | From Greenfield swimming pool dam (northwest of Nashs Mill Road), Greenfield to confluence with the Deerfield River, Greenfield . (formerly segment MA33-10 and part of segment MA33-09) | 3.735    | MILES | Fecal Coliform                                   |              |
| Pelham Lake                  | MA33016    | Rowe                                                                                                                                                                                     | 79.545   | ACRES | Mercury in Fish Tissue                           |              |
| Sherman Reservoir            | MA33018    | Massachusetts portion only. Rowe/Monroe/Whitingham, Vt.                                                                                                                                  | 72.437   | ACRES | Mercury in Fish Tissue                           |              |
| South River                  | MA33-08    | Emments Road Ashfield to confluence with Deerfield River, Conway (through South River Impoundment formerly segment MA33022).                                                             | 12.957   | MILES | (Physical substrate habitat alterations*)        |              |
|                              |            |                                                                                                                                                                                          |          |       | Fecal Coliform                                   |              |
| Farmington                   |            |                                                                                                                                                                                          |          |       |                                                  |              |
| Big Pond                     | MA31004    | Otis                                                                                                                                                                                     | 325.203  | ACRES | Mercury in Fish Tissue                           | 33880        |
|                              |            |                                                                                                                                                                                          |          |       | Oxygen, Dissolved                                |              |
| Shaw Pond                    | MA31036    | Becket/Otis                                                                                                                                                                              | 80.431   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                              |            |                                                                                                                                                                                          |          |       | Oxygen, Dissolved                                |              |
| Upper Spectacle Pond         | MA31044    | Sandisfield/Otis                                                                                                                                                                         | 52.655   | ACRES | Oxygen, Dissolved                                |              |
| West Branch Farmington River | MA31-01    | Outlet of Hayden Pond, Otis to Sandisfield/Tolland, Massachusetts and Colebrook, Connecticut in the Colebrook Reservoir.                                                                 | 16.134   | MILES | Lack of a coldwater assemblage                   |              |
| York Lake                    | MA31052    | New Marlborough                                                                                                                                                                          | 28.763   | ACRES | Oxygen, Dissolved                                |              |
| French                       |            |                                                                                                                                                                                          |          |       |                                                  |              |
| Burncoat Brook               | MA42-07    | Headwaters, outlet Bouchard Pond, Leicester to confluence with Town Meadow Brook, Leicester (through former pond segment Ballard Hill Pond MA42069).                                     | 1        | MILES | Aquatic Macroinvertebrate Bioassessments         |              |
|                              |            |                                                                                                                                                                                          |          |       | Escherichia coli                                 |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                              | SIZE   | UNITS | IMPAIRMENT CAUSE                         | EPA TMDL NO. |
|------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|------------------------------------------|--------------|
| French River                 | MA42-03    | Headwaters, outlet Greenville Pond, Leicester to the outlet of Thayer Pond, Oxford (excluding approximately 0.6 miles through Rochdale Pond segment MA42048) (through former pond segments Texas Pond MA42058 and Thayers Pond MA42059). | 3.8    | MILES | Aquatic Plants (Macrophytes)             | 2357         |
|                              |            |                                                                                                                                                                                                                                          |        |       | Mercury in Fish Tissue                   |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Phosphorus (Total)                       |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Turbidity                                |              |
| French River                 | MA42-04    | From dam just upstream of Clara Barton Road, Oxford, to dam at North Village, Webster/Dudley.                                                                                                                                            | 9.6    | MILES | Mercury in Fish Tissue                   |              |
| French River                 | MA42-05    | Dam at North Village, Webster/Dudley to Webster WWTP outfall, Webster/Dudley.                                                                                                                                                            | 2.4    | MILES | (Debris/Floatables/Trash*)               |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | (Other flow regime alterations*)         |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Aquatic Macroinvertebrate Bioassessments |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Fecal Coliform                           |              |
| French River                 | MA42-06    | Webster WWTP outfall, Webster/Dudley to state line, Dudley, MA/Thompson,CT.                                                                                                                                                              | 1      | MILES | (Debris/Floatables/Trash*)               |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Aquatic Macroinvertebrate Bioassessments |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Fecal Coliform                           |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Other                                    |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Sediment Screening Value (Exceedence)    |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Taste and Odor                           |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Turbidity                                |              |
| Grindstone Brook             | MA42-18    | Headwaters outlet Henshaw Pond, Leicester to inlet Rochdale Pond, Leicester.                                                                                                                                                             | 2.3    | MILES | Escherichia coli                         |              |
| Little River                 | MA42-13    | Headwaters, outlet Pikes Pond, Charlton to inlet Buffumville Lake, Charlton (formerly part of segment MA42-09).                                                                                                                          | 3.5    | MILES | Aquatic Macroinvertebrate Bioassessments |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Oxygen, Dissolved                        |              |
| Sucker Brook                 | MA42-15    | Headwaters, outlet Nipmuck Pond, Webster to inlet Club Pond, Webster                                                                                                                                                                     | 1.7    | MILES | Aquatic Macroinvertebrate Bioassessments |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Escherichia coli                         |              |
| Housatonic                   |            |                                                                                                                                                                                                                                          |        |       |                                          |              |
| East Branch Housatonic River | MA21-01    | Outlet of Muddy Pond, Washington to the outlet of Center Pond, Dalton.                                                                                                                                                                   | 11.251 | MILES | Fecal Coliform                           |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | PCB in Fish Tissue                       |              |
| East Branch Housatonic River | MA21-02    | Outlet of Center Pond, Dalton to confluence with the Housatonic River, Pittsfield.                                                                                                                                                       | 8.019  | MILES | Fecal Coliform                           |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | PCB in Fish Tissue                       |              |
| Goodrich Pond                | MA21042    | Pittsfield                                                                                                                                                                                                                               | 15.355 | ACRES | PCB in Fish Tissue                       |              |
| Housatonic River             | MA21-04    | Confluence of Southwest Branch Housatonic River and West Branch Housatonic River, Pittsfield to outlet of Woods Pond, Lee/Lenox (pond was formerly segment MA21120).                                                                     | 12.322 | MILES | (Non-Native Aquatic Plants*)             |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Fecal Coliform                           |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | PCB in Fish Tissue                       |              |
|                              |            |                                                                                                                                                                                                                                          |        |       | Polychlorinated biphenyls                |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME             | SEGMENT ID | DESCRIPTION                                                                                                                 | SIZE    | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|------------------|------------|-----------------------------------------------------------------------------------------------------------------------------|---------|-------|--------------------------------------------------|--------------|
| Housatonic River | MA21-19    | Outlet of Woods Pond, Lee/Lenox to the Risingdale Impoundment dam, Great Barrington (impoundment formerly segment MA21121). | 19.88   | MILES | (Zebra mussel, Dreissena polymorph*)             |              |
|                  |            |                                                                                                                             |         |       | Excess Algal Growth                              |              |
|                  |            |                                                                                                                             |         |       | PCB in Fish Tissue                               |              |
|                  |            |                                                                                                                             |         |       | Phosphorus (Total)                               |              |
|                  |            |                                                                                                                             |         |       | Polychlorinated biphenyls                        |              |
| Housatonic River | MA21-20    | Outlet of Risingdale Impoundment, Great Barrington to the state line in Sheffield, MA/Canaan, CT.                           | 23.036  | MILES | PCB in Fish Tissue                               |              |
| Konkapot River   | MA21-25    | Outlet of Brewer Lake, Monterey to the state line in New Marlborough, MA/Canaan, CT.                                        | 16.467  | MILES | Mercury in Fish Tissue                           |              |
| Konkapot River   | MA21-26    | From the state line in Sheffield, MA/Canaan, CT, to the confluence with the Housatonic River, Sheffield.                    | 2.866   | MILES | Mercury in Fish Tissue                           |              |
| Lake Buel        | MA21014    | Monterey/New Marlborough                                                                                                    | 194.396 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                  |            |                                                                                                                             |         |       | (Non-Native Aquatic Plants*)                     |              |
|                  |            |                                                                                                                             |         |       | Dissolved oxygen saturation                      |              |
|                  |            |                                                                                                                             |         |       | Oxygen, Dissolved                                |              |
|                  |            |                                                                                                                             |         |       | Phosphorus (Total)                               |              |
| Lake Garfield    | MA21040    | Monterey                                                                                                                    | 256.898 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                  |            |                                                                                                                             |         |       | (Non-Native Aquatic Plants*)                     |              |
|                  |            |                                                                                                                             |         |       | Mercury in Fish Tissue                           |              |
|                  |            |                                                                                                                             |         |       | Oxygen, Dissolved                                |              |
|                  |            |                                                                                                                             |         |       | Phosphorus (Total)                               |              |
| Laurel Lake      | MA21057    | Lee/Lenox                                                                                                                   | 173.51  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                  |            |                                                                                                                             |         |       | (Non-Native Aquatic Plants*)                     |              |
|                  |            |                                                                                                                             |         |       | (Zebra mussel, Dreissena polymorph*)             |              |
|                  |            |                                                                                                                             |         |       | Dissolved oxygen saturation                      |              |
|                  |            |                                                                                                                             |         |       | Oxygen, Dissolved                                |              |
|                  |            |                                                                                                                             |         |       | Phosphorus (Total)                               |              |
| Morewood Lake    | MA21071    | Pittsfield                                                                                                                  | 19.519  | ACRES | PCB in Fish Tissue                               |              |
| Pontoosuc Lake   | MA21083    | Lanesborough/Pittsfield                                                                                                     | 500.316 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                  |            |                                                                                                                             |         |       | (Non-Native Aquatic Plants*)                     |              |
|                  |            |                                                                                                                             |         |       | DDT                                              |              |
|                  |            |                                                                                                                             |         |       | Mercury in Fish Tissue                           | 33880        |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                              | SEGMENT ID | DESCRIPTION                                                                                                                                                         | SIZE    | UNITS | IMPAIRMENT CAUSE                                           | EPA TMDL NO. |
|-----------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|------------------------------------------------------------|--------------|
| Southwest Branch Housatonic River | MA21-17    | Headwaters, outlet Richmond Pond, Pittsfield to confluence with West Branch Housatonic River, Pittsfield.                                                           | 5.835   | MILES | Fecal Coliform                                             |              |
|                                   |            |                                                                                                                                                                     |         |       | Sedimentation/Siltation                                    |              |
| Wahconah Falls Brook              | MA21-11    | Headwaters, outlet of Windsor Reservoir, Windsor to confluence with East Branch Housatonic River, Dalton.                                                           | 3.381   | MILES | Fecal Coliform                                             |              |
| West Branch Housatonic River      | MA21-18    | Headwaters, outlet of Pontoosuc Lake, Pittsfield to confluence with Southwest Branch Housatonic River (forming the headwaters of the Housatonic River), Pittsfield. | 4.088   | MILES | (Debris/Floatables/Trash*)                                 |              |
|                                   |            |                                                                                                                                                                     |         |       | Combined Biota/Habitat Bioassessments                      |              |
|                                   |            |                                                                                                                                                                     |         |       | Fecal Coliform                                             |              |
|                                   |            |                                                                                                                                                                     |         |       | Polychlorinated biphenyls                                  |              |
|                                   |            |                                                                                                                                                                     |         |       | Taste and Odor                                             |              |
| Hudson: Hoosic                    |            |                                                                                                                                                                     |         |       |                                                            |              |
| Cheshire Reservoir, Middle Basin  | MA11018    | [Middle Basin] Cheshire/Lanesborough                                                                                                                                | 186.35  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)           |              |
|                                   |            |                                                                                                                                                                     |         |       | (Non-Native Aquatic Plants*)                               |              |
|                                   |            |                                                                                                                                                                     |         |       | Aquatic Plants (Macrophytes)                               |              |
| Cheshire Reservoir, North Basin   | MA11002    | [North Basin] Cheshire                                                                                                                                              | 284.024 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)           |              |
|                                   |            |                                                                                                                                                                     |         |       | (Non-Native Aquatic Plants*)                               |              |
|                                   |            |                                                                                                                                                                     |         |       | Aquatic Plants (Macrophytes)                               |              |
|                                   |            |                                                                                                                                                                     |         |       | Nutrient/Eutrophication Biological Indicators              |              |
|                                   |            |                                                                                                                                                                     |         |       | Turbidity                                                  |              |
| Cheshire Reservoir, South Basin   | MA11019    | [South Basin] Cheshire/Lanesborough                                                                                                                                 | 91.718  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)           |              |
|                                   |            |                                                                                                                                                                     |         |       | (Non-Native Aquatic Plants*)                               |              |
|                                   |            |                                                                                                                                                                     |         |       | Excess Algal Growth                                        |              |
| Green River                       | MA11-06    | Headwaters southwest of Sugarloaf Mountain (west of Ingraham Road), New Ashford to confluence with Hoosic River, Williamstown.                                      | 12.498  | MILES | Fecal Coliform                                             |              |
| Hoosic River                      | MA11-03    | Headwaters, outlet Cheshire Reservoir, Cheshire to Adams WWTP discharge, Adams.                                                                                     | 8.841   | MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                                   |            |                                                                                                                                                                     |         |       | (Other flow regime alterations*)                           |              |
|                                   |            |                                                                                                                                                                     |         |       | (Physical substrate habitat alterations*)                  |              |
|                                   |            |                                                                                                                                                                     |         |       | Ambient Bioassays -- Chronic Aquatic Toxicity              |              |
|                                   |            |                                                                                                                                                                     |         |       | Fecal Coliform                                             |              |
|                                   |            |                                                                                                                                                                     |         |       | Temperature, water                                         |              |





## Massachusetts Category 5 Waters

### "Waters requiring a TMDL"

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                              | SIZE   | UNITS | IMPAIRMENT CAUSE                                           | EPA TMDL NO. |
|---------------------------|------------|--------------------------------------------------------------------------------------------------------------------------|--------|-------|------------------------------------------------------------|--------------|
| Hoosic River              | MA11-04    | Adams WWTP discharge, Adams to confluence with North Branch Hoosic River, North Adams.                                   | 5.387  | MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                           |            |                                                                                                                          |        |       | (Other flow regime alterations*)                           |              |
|                           |            |                                                                                                                          |        |       | Fecal Coliform                                             |              |
| Hoosic River              | MA11-05    | Confluence with North Branch Hoosic River, North Adams to the Vermont State line, Williamstown.                          | 8.225  | MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                           |            |                                                                                                                          |        |       | (Other flow regime alterations*)                           |              |
|                           |            |                                                                                                                          |        |       | Aquatic Macroinvertebrate Bioassessments                   |              |
|                           |            |                                                                                                                          |        |       | Fecal Coliform                                             |              |
|                           |            |                                                                                                                          |        |       | PCB in Fish Tissue                                         |              |
| Mauserts Pond             | MA11009    | Clarksburg                                                                                                               | 50.896 | ACRES | Enterococcus                                               |              |
| North Branch Hoosic River | MA11-02    | From USGS Gage, North Adams to confluence with Hoosic River, North Adams.                                                | 1.537  | MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                           |            |                                                                                                                          |        |       | (Other flow regime alterations*)                           |              |
|                           |            |                                                                                                                          |        |       | Fecal Coliform                                             |              |
|                           |            |                                                                                                                          |        |       | Polychlorinated biphenyls                                  |              |
| Paul Brook                | MA11-20    | Headwaters, outlet of Mt. Williams Reservoir, North Adams to confluence with unnamed tributary, Williamstown.            | 2.089  | MILES | Fecal Coliform                                             |              |
| <b>Hudson: Kinderhook</b> |            |                                                                                                                          |        |       |                                                            |              |
| Kinderhook Creek          | MA12-01    | Headwaters, northwest of Sheeps Heaven Mountain and east of Route 43, Hancock to New York/Massachusetts border, Hancock. | 5.495  | MILES | Aquatic Macroinvertebrate Bioassessments                   |              |
| <b>Ipswich</b>            |            |                                                                                                                          |        |       |                                                            |              |
| Brackett Pond             | MA92004    | Andover                                                                                                                  | 15.671 | ACRES | Turbidity                                                  |              |
| Collins Pond              | MA92010    | Andover                                                                                                                  | 2.089  | ACRES | Excess Algal Growth                                        |              |
|                           |            |                                                                                                                          |        |       | Turbidity                                                  |              |
| Crystal Pond              | MA92013    | Peabody                                                                                                                  | 8.173  | ACRES | Chlorophyll-a                                              |              |
|                           |            |                                                                                                                          |        |       | Excess Algal Growth                                        |              |
|                           |            |                                                                                                                          |        |       | Phosphorus (Total)                                         |              |
|                           |            |                                                                                                                          |        |       | Secchi disk transparency                                   |              |
| Devils Dishfull Pond      | MA92015    | Peabody                                                                                                                  | 14.328 | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)           |              |
|                           |            |                                                                                                                          |        |       | Chlorophyll-a                                              |              |
|                           |            |                                                                                                                          |        |       | Oxygen, Dissolved                                          |              |
|                           |            |                                                                                                                          |        |       | Phosphorus (Total)                                         |              |
|                           |            |                                                                                                                          |        |       | Turbidity                                                  |              |
| Frye Pond                 | MA92023    | Andover                                                                                                                  | 7.287  | ACRES | Excess Algal Growth                                        |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                           | SIZE   | UNITS        | IMPAIRMENT CAUSE                         | EPA TMDL NO. |
|---------------------|------------|-----------------------------------------------------------------------------------------------------------------------|--------|--------------|------------------------------------------|--------------|
| Howlett Brook       | MA92-17    | Headwaters north of Great Hill, Topsfield to confluence with Ipswich River, Topsfield.                                | 2.796  | MILES        | Fecal Coliform                           |              |
|                     |            |                                                                                                                       |        |              | Fishes Bioassessments                    |              |
| Ipswich River       | MA92-02    | Ipswich Dam (formerly known as Sylvania Dam), Ipswich to mouth at Ipswich Bay, Ipswich.                               | 0.411  | SQUARE MILES | Fecal Coliform                           |              |
| Ipswich River       | MA92-06    | Source at confluence of Maple Meadow Brook and Lubbers Brook, Wilmington, to Salem Beverly Waterway Canal, Topsfield. | 20.415 | MILES        | (Low flow alterations*)                  |              |
|                     |            |                                                                                                                       |        |              | Mercury in Fish Tissue                   |              |
|                     |            |                                                                                                                       |        |              | Oxygen, Dissolved                        |              |
| Ipswich River       | MA92-15    | Salem Beverly Waterway Canal, Topsfield to Ipswich Dam (formerly known as Sylvania Dam), Ipswich.                     | 10.977 | MILES        | (Low flow alterations*)                  |              |
|                     |            |                                                                                                                       |        |              | Fishes Bioassessments                    |              |
|                     |            |                                                                                                                       |        |              | Mercury in Fish Tissue                   |              |
|                     |            |                                                                                                                       |        |              | Oxygen, Dissolved                        |              |
| Kimball Brook       | MA92-21    | Headwaters, west of Scott Hill, Ipswich to confluence with Ipswich River, Ipswich.                                    | 2.241  | MILES        | Fecal Coliform                           |              |
|                     |            |                                                                                                                       |        |              | Oxygen, Dissolved                        |              |
| Labor In Vain Creek | MA92-22    | South of Argilla Road, Ipswich to confluence with Ipswich River Estuary, Ipswich.                                     | 0.03   | SQUARE MILES | Fecal Coliform                           |              |
|                     |            |                                                                                                                       |        |              | Oxygen, Dissolved                        |              |
| Lowe Pond           | MA92034    | Boxford                                                                                                               | 35.761 | ACRES        | (Non-Native Aquatic Plants*)             |              |
|                     |            |                                                                                                                       |        |              | Mercury in Fish Tissue                   |              |
| Martins Brook       | MA92-08    | Outlet of Martins Pond, North Reading to the confluence with the Ipswich River, North Reading.                        | 4.561  | MILES        | Aquatic Macroinvertebrate Bioassessments |              |
|                     |            |                                                                                                                       |        |              | Fecal Coliform                           |              |
|                     |            |                                                                                                                       |        |              | Fishes Bioassessments                    |              |
|                     |            |                                                                                                                       |        |              | Oxygen, Dissolved                        |              |
| Martins Pond        | MA92038    | North Reading                                                                                                         | 89.012 | ACRES        | (Non-Native Aquatic Plants*)             |              |
|                     |            |                                                                                                                       |        |              | Excess Algal Growth                      |              |
|                     |            |                                                                                                                       |        |              | Mercury in Fish Tissue                   | 33880        |
|                     |            |                                                                                                                       |        |              | Turbidity                                |              |
| Miles River         | MA92-03    | Outlet Longham Reservoir, Beverly to confluence with Ipswich River, Ipswich.                                          | 8.892  | MILES        | Aquatic Macroinvertebrate Bioassessments |              |
|                     |            |                                                                                                                       |        |              | Fecal Coliform                           |              |
|                     |            |                                                                                                                       |        |              | Oxygen, Dissolved                        |              |
| Norris Brook        | MA92-11    | Outlet of Elginwood Pond, Peabody to confluence with Ipswich River, Danvers (Danvers/Middleton town line).            | 1.541  | MILES        | Oxygen, Dissolved                        |              |
|                     |            |                                                                                                                       |        |              | Total Suspended Solids (TSS)             |              |
|                     |            |                                                                                                                       |        |              | Turbidity                                |              |
| Pleasant Pond       | MA92049    | (Idlewood Lake) Wenham/Hamilton                                                                                       | 26.551 | ACRES        | Mercury in Fish Tissue                   |              |
| Salem Pond          | MA92057    | North Andover/Andover                                                                                                 | 14.681 | ACRES        | Turbidity                                |              |
| Silver Lake         | MA92059    | Wilmington                                                                                                            | 29.874 | ACRES        | DDT                                      |              |
|                     |            |                                                                                                                       |        |              | Mercury in Fish Tissue                   | 33880        |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                         | SIZE     | UNITS        | IMPAIRMENT CAUSE         | EPA TMDL NO. |
|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|--------------------------|--------------|
| Unnamed Tributary    | MA92-12    | Outlet of Middleton Pond, Middleton to confluence with Ipswich River, Middleton.                                                                                                                                                    | 1.387    | MILES        | Fecal Coliform           |              |
| Unnamed Tributary    | MA92-23    | Headwaters, east of Jeffreys Neck Road, north of Newmarch Street to confluence with Ipswich River Estuary, Ipswich. (locally known as Greenwood Creek)                                                                              | 0.03     | SQUARE MILES | Fecal Coliform           |              |
| Unnamed Tributary    | MA92-26    | Unnamed intermittent tributary to Martins Brook, from source in wetland west of the Route 93/Route 125 intersection, Wilmington to confluence with Martins Brook, Wilmington.                                                       | 1.3      | MILES        | Chloride                 |              |
| Wenham Lake          | MA92073    | Beverly/Wenham                                                                                                                                                                                                                      | 242.571  | ACRES        | DDT                      |              |
|                      |            |                                                                                                                                                                                                                                     |          |              | Mercury in Fish Tissue   | 33880        |
| Wills Brook          | MA92-10    | Headwater, (just north of Lowell Street) Lynnfield to confluence with Ipswich River, Lynnfield.                                                                                                                                     | 1.701    | MILES        | Fecal Coliform           |              |
|                      |            |                                                                                                                                                                                                                                     |          |              | Oxygen, Dissolved        |              |
| Islands              |            |                                                                                                                                                                                                                                     |          |              |                          |              |
| Chilmark Pond        | MA97-05    | South of South Road including Wades Cove and Gilberts Cove, Chilmark, Martha's Vineyard.                                                                                                                                            | 0.313379 | SQUARE MILES | Fecal Coliform           |              |
| Cuttyhunk Pond       | MA97-21    | Waters west of the channel connecting Cuttyhunk Pond to Cuttyhunk Harbor, Gosnold, Elizabeth Islands. (Changed from MA95-26 to MA97-21 on 10/7/97)                                                                                  | 0.154    | SQUARE MILES | Fecal Coliform           |              |
| Edgartown Great Pond | MA97-17    | excluding Jacobs Pond (PALIS# 97038) Edgartown, Martha's Vineyard.                                                                                                                                                                  | 1.355    | SQUARE MILES | Fecal Coliform           |              |
| Edgartown Harbor     | MA97-15    | Waters west of Cape Poge Gut bounded by an imaginary line drawn from Chappaquiddick Point to Dock Street and northeasterly from the end of Plantingfield Way to Cape Poge Elbow (excluding Eel Pond), Edgartown, Martha's Vineyard. | 3.086    | SQUARE MILES | Fecal Coliform           |              |
| Hither Creek         | MA97-28    | From the outlet of Madaket Ditch to Madaket Harbor at an imaginary line drawn easterly from Jackson Point to Little Neck, Nantucket                                                                                                 | 0.067    | SQUARE MILES | Nitrogen (Total)         |              |
|                      |            |                                                                                                                                                                                                                                     |          |              | Oxygen, Dissolved        |              |
| Katama Bay           | MA97-16    | Waters south of an imaginary line from Chappaquiddick Point to Dock Street excluding Caleb Pond and Mattakeset Bay, Edgartown, Martha's Vineyard.                                                                                   | 2.044    | SQUARE MILES | Fecal Coliform           |              |
| Lagoon Pond          | MA97-11    | From Head of the Pond Road to confluence with Vineyard Haven Harbor at Beach Road, Tisbury/Oak Bluffs, Martha's Vineyard.                                                                                                           | 0.819    | SQUARE MILES | Estuarine Bioassessments |              |
|                      |            |                                                                                                                                                                                                                                     |          |              | Fecal Coliform           |              |
| Lake Tashmoo         | MA97-12    | Waters including Drew Cove and Rhoda Pond to confluence with Vineyard Sound at channel south of Herring Creek Road, Tisbury, Martha's Vineyard.                                                                                     | 0.414    | SQUARE MILES | Estuarine Bioassessments |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                         | SIZE  | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----------------------------------------------|--------------|
| Long Pond             | MA97-29    | South of Madaket Road, including White Goose Cove, Nantucket                                                                                                                                                                        | 0.121 | SQUARE MILES | Dissolved oxygen saturation                   |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Fecal Coliform                                |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Nitrogen (Total)                              |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Oxygen, Dissolved                             |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Secchi disk transparency                      |              |
| Madaket Harbor        | MA97-27    | Waters encompassed within imaginary lines from Eel Point to the northern tip of Esther Island, from the southern tip of Esther Island southeasterly to the opposite shore and from Jackson Point easterly to Little Neck, Nantucket | 1.437 | SQUARE MILES | Fecal Coliform                                |              |
| Nantucket Harbor      | MA97-01    | Waters south and east of an imaginary line drawn from Jetties Beach to Coatue Point (excluding Polpis Harbor and Coskata Pond), Nantucket.                                                                                          | 7.16  | SQUARE MILES | Fecal Coliform                                |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Nutrient/Eutrophication Biological Indicators | 36011        |
| Oak Bluffs Harbor     | MA97-07    | North of Lake Avenue to confluence with Nantucket Sound, Oak Bluffs, Martha's Vineyard.                                                                                                                                             | 0.047 | SQUARE MILES | Fecal Coliform                                |              |
| Polpis Harbor         | MA97-26    | Polpis Harbor and all adjacent coves, to an imaginary line drawn from Quaise Point to the opposite shore, Nantucket.                                                                                                                | 0.302 | SQUARE MILES | Estuarine Bioassessments                      | 36012        |
|                       |            |                                                                                                                                                                                                                                     |       |              | Fecal Coliform                                |              |
| Sesachacha Pond       | MA97-02    | South of Quidnet Road and north of Polpis Road, Nantucket.                                                                                                                                                                          | 0.423 | SQUARE MILES | Fecal Coliform                                |              |
| Seths Pond            | MA97085    | West Tisbury                                                                                                                                                                                                                        | 10.82 | ACRES        | Excess Algal Growth                           |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Secchi disk transparency                      |              |
| Tisbury Great Pond    | MA97-18    | Including Town Cove, Muddy Cove, Pear Tree Cove, Short Cove, Tiah Cove, Tississa Pond, Deep Bottom Cove, and Thumb Cove, Chilmark/West Tisbury, Martha's Vineyard.                                                                  | 1.103 | SQUARE MILES | Fecal Coliform                                |              |
| Vineyard Haven Harbor | MA97-09    | The waters south and west of an imaginary line drawn from the tip of West Chop, Tisbury and the tip of East Chop, Oak Bluffs to the confluence of Lagoon Pond at Beach Road, Tisbury/Oak Bluffs, Martha's Vineyard.                 | 1.545 | SQUARE MILES | Fecal Coliform                                |              |
| Westend Pond          | MA97-20    | Cuttyhunk Island, Gosnold, Elizabeth Islands.                                                                                                                                                                                       | 0.058 | SQUARE MILES | Fecal Coliform                                |              |
| <b>Merrimack</b>      |            |                                                                                                                                                                                                                                     |       |              |                                               |              |
| Back River            | MA84A-16   | New Hampshire state line, Amesbury to inlet Clarks Pond, Amesbury.                                                                                                                                                                  | 2.7   | MILES        | Escherichia coli                              |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Sedimentation/Siltation                       |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Turbidity                                     |              |
| Bare Meadow Brook     | MA84A-18   | Headwaters, Methuen to confluence with Merrimack River, Methuen.                                                                                                                                                                    | 3     | MILES        | Escherichia coli                              |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Sedimentation/Siltation                       |              |
|                       |            |                                                                                                                                                                                                                                     |       |              | Turbidity                                     |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                | SIZE | UNITS | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|-------------------|------------|------------------------------------------------------------------------------------------------------------|------|-------|-------------------------------------------|--------------|
| Bartlett Brook    | MA84A-36   | New Hampshire state line, Dracut to inlet Mill Pond, Methuen.                                              | 3.7  | MILES | Escherichia coli                          |              |
| Beaver Brook      | MA84A-11   | New Hampshire state line, Dracut to confluence with Merrimack River, Lowell.                               | 4.8  | MILES | (Debris/Floatables/Trash*)                |              |
|                   |            |                                                                                                            |      |       | (Physical substrate habitat alterations*) |              |
|                   |            |                                                                                                            |      |       | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                            |      |       | Escherichia coli                          |              |
|                   |            |                                                                                                            |      |       | Taste and Odor                            |              |
|                   |            |                                                                                                            |      |       | Turbidity                                 |              |
| Beaver Brook      | MA84B-02   | Outlet Mill Pond, Littleton to inlet Forge Pond, Westford.                                                 | 4.9  | MILES | Fecal Coliform                            |              |
|                   |            |                                                                                                            |      |       | Oxygen, Dissolved                         |              |
|                   |            |                                                                                                            |      |       | pH, Low                                   |              |
|                   |            |                                                                                                            |      |       | Total Suspended Solids (TSS)              |              |
| Bennetts Brook    | MA84B-06   | Headwaters, north of Route 2, Harvard to the inlet of Spectacle Pond, Ayer/Littleton.                      | 4.3  | MILES | Escherichia coli                          |              |
| Black Brook       | MA84A-17   | Headwaters, Chelmsford to confluence with Merrimack River, Lowell.                                         | 2.3  | MILES | (Debris/Floatables/Trash*)                |              |
|                   |            |                                                                                                            |      |       | (Physical substrate habitat alterations*) |              |
|                   |            |                                                                                                            |      |       | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                            |      |       | Escherichia coli                          |              |
|                   |            |                                                                                                            |      |       | Fishes Bioassessments                     |              |
|                   |            |                                                                                                            |      |       | Sedimentation/Siltation                   |              |
| Chadwicks Pond    | MA84006    | Haverhill/Boxford                                                                                          | 173  | ACRES | Mercury in Fish Tissue                    |              |
| Creek Brook       | MA84A-37   | Headwaters, outlet Crystal Lake, Haverhill to confluence with Merrimack River, Haverhill.                  | 2.3  | MILES | Escherichia coli                          |              |
| Crystal Lake      | MA84010    | Haverhill                                                                                                  | 161  | ACRES | Mercury in Fish Tissue                    |              |
| Deep Brook        | MA84A-21   | Headwaters east of Everett Turnpike, Tyngsborough to confluence with Merrimack River, Chelmsford.          | 2.9  | MILES | (Habitat Assessment (Streams)*)           |              |
|                   |            |                                                                                                            |      |       | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                            |      |       | Escherichia coli                          |              |
|                   |            |                                                                                                            |      |       | Fishes Bioassessments                     |              |
|                   |            |                                                                                                            |      |       | Sedimentation/Siltation                   |              |
| East Meadow River | MA84A-39   | Headwaters, outlet Neal Pond, Haverhill to inlet Millvale Reservoir, Haverhill.                            | 3    | MILES | Escherichia coli                          |              |
| Fish Brook        | MA84A-40   | Headwaters, east of Greenwood Road, Andover to confluence with Merrimack River at Fish Brook Dam, Andover. | 4.1  | MILES | Chloride                                  |              |
|                   |            |                                                                                                            |      |       | Escherichia coli                          |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                     | SIZE | UNITS | IMPAIRMENT CAUSE                | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------|------|-------|---------------------------------|--------------|
| Flint Pond        | MA84012    | Tyngsborough                                                                                                    | 72   | ACRES | (Non-Native Aquatic Plants*)    |              |
|                   |            |                                                                                                                 |      |       | Aquatic Plants (Macrophytes)    |              |
|                   |            |                                                                                                                 |      |       | Mercury in Fish Tissue          | 33880        |
| Forest Lake       | MA84014    | Methuen                                                                                                         | 48   | ACRES | Aquatic Plants (Macrophytes)    |              |
|                   |            |                                                                                                                 |      |       | Mercury in Fish Tissue          |              |
| Haggets Pond      | MA84022    | Andover                                                                                                         | 211  | ACRES | Mercury in Fish Tissue          |              |
| Hoveys Pond       | MA84025    | Boxford                                                                                                         | 36   | ACRES | Mercury in Fish Tissue          |              |
| Johnson Creek     | MA84A-15   | Headwaters, Groveland (excluding intermittent portion) to confluence with Merrimack River, Groveland/Haverhill. | 1.1  | MILES | Escherichia coli                |              |
| Johnsons Pond     | MA84027    | Groveland/Boxford                                                                                               | 194  | ACRES | Mercury in Fish Tissue          |              |
|                   |            |                                                                                                                 |      |       | Oxygen, Dissolved               |              |
| Kenoza Lake       | MA84028    | Haverhill                                                                                                       | 240  | ACRES | Mercury in Fish Tissue          |              |
| Lake Attitash     | MA84002    | Amesbury/Merrimac                                                                                               | 369  | ACRES | Mercury in Fish Tissue          |              |
| Lake Cochichewick | MA84008    | North Andover                                                                                                   | 575  | ACRES | Mercury in Fish Tissue          |              |
| Lake Pentucket    | MA84051    | Haverhill                                                                                                       | 38   | ACRES | Mercury in Fish Tissue          |              |
| Lake Saltonstall  | MA84059    | Haverhill                                                                                                       | 44   | ACRES | Mercury in Fish Tissue          |              |
| Little River      | MA84A-09   | New Hampshire state line, Haverhill to confluence with Merrimack River, Haverhill.                              | 4.6  | MILES | (Debris/Floatables/Trash*)      |              |
|                   |            |                                                                                                                 |      |       | (Habitat Assessment (Streams)*) |              |
|                   |            |                                                                                                                 |      |       | Escherichia coli                |              |
| Long Pond         | MA84032    | Dracut/Tyngsborough (size indicates portion in Massachusetts)                                                   | 137  | ACRES | (Non-Native Aquatic Plants*)    |              |
|                   |            |                                                                                                                 |      |       | Aquatic Plants (Macrophytes)    |              |
|                   |            |                                                                                                                 |      |       | Mercury in Fish Tissue          | 33880        |
| Lowell Canals     | MA84A-29   | Canal system near Pawtucket Falls, Lowell.                                                                      | 4.9  | MILES | DDT                             |              |
|                   |            |                                                                                                                 |      |       | Lead                            |              |
|                   |            |                                                                                                                 |      |       | Mercury in Fish Tissue          |              |
|                   |            |                                                                                                                 |      |       | PCB in Fish Tissue              |              |
| Massapoag Pond    | MA84087    | Dunstable/Groton/Tyngsborough                                                                                   | 111  | ACRES | (Non-Native Aquatic Plants*)    |              |
|                   |            |                                                                                                                 |      |       | Aquatic Plants (Macrophytes)    |              |
|                   |            |                                                                                                                 |      |       | Mercury in Fish Tissue          | 33880        |
|                   |            |                                                                                                                 |      |       | Oxygen, Dissolved               |              |
| Merrimack River   | MA84A-01   | State line at Hudson, NH/Tyngsborough, MA to Pawtucket Dam, Lowell.                                             | 9    | MILES | Fecal Coliform                  |              |
|                   |            |                                                                                                                 |      |       | Mercury in Fish Tissue          |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                | SIZE | UNITS        | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|--------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|--------------------------------------------------|--------------|
| Merrimack River    | MA84A-02   | Pawtucket Dam, Lowell to Lowell Regional Wastewater Utilities outfall at Duck Island, Lowell.                                                                              | 3.2  | MILES        | (Low flow alterations*)                          |              |
|                    |            |                                                                                                                                                                            |      |              | Escherichia coli                                 |              |
|                    |            |                                                                                                                                                                            |      |              | Mercury in Fish Tissue                           |              |
|                    |            |                                                                                                                                                                            |      |              | Phosphorus (Total)                               |              |
| Merrimack River    | MA84A-03   | Lowell Regional Wastewater Utilities outfall at Duck Island, Lowell to Essex Dam, Lawrence.                                                                                | 8.8  | MILES        | Escherichia coli                                 |              |
|                    |            |                                                                                                                                                                            |      |              | Mercury in Fish Tissue                           |              |
|                    |            |                                                                                                                                                                            |      |              | PCB in Fish Tissue                               |              |
|                    |            |                                                                                                                                                                            |      |              | Phosphorus (Total)                               |              |
| Merrimack River    | MA84A-04   | Essex Dam, Lawrence to confluence with Little River, Haverhill.                                                                                                            | 10   | MILES        | Escherichia coli                                 |              |
|                    |            |                                                                                                                                                                            |      |              | PCB in Fish Tissue                               |              |
|                    |            |                                                                                                                                                                            |      |              | Phosphorus (Total)                               |              |
| Merrimack River    | MA84A-05   | Confluence Little River, Haverhill to confluence Indian River, West Newbury/Amesbury.                                                                                      | 1.83 | SQUARE MILES | Enterococcus                                     |              |
|                    |            |                                                                                                                                                                            |      |              | PCB in Fish Tissue                               |              |
| Merrimack River    | MA84A-06   | Confluence Indian River, West Newbury/Amesbury to mouth at Atlantic Ocean, Newburyport/Salisbury (includes Back River, Salisbury).                                         | 4.46 | SQUARE MILES | Enterococcus                                     |              |
|                    |            |                                                                                                                                                                            |      |              | Fecal Coliform                                   |              |
|                    |            |                                                                                                                                                                            |      |              | PCB in Fish Tissue                               |              |
| Merrimack River    | MA84A-26   | The Basin in the Merrimack River Estuary, Newbury/Newburyport.                                                                                                             | 0.17 | SQUARE MILES | Fecal Coliform                                   |              |
| Mill Pond          | MA84038    | [North Basin] Littleton                                                                                                                                                    | 30   | ACRES        | Aquatic Plants (Macrophytes)                     |              |
| Mill Pond          | MA84081    | [South Basin] Littleton                                                                                                                                                    | 12   | ACRES        | Aquatic Plants (Macrophytes)                     |              |
| Millvale Reservoir | MA84041    | Haverhill                                                                                                                                                                  | 44   | ACRES        | Mercury in Fish Tissue                           |              |
| Newfield Pond      | MA84046    | Chelmsford                                                                                                                                                                 | 77   | ACRES        | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                    |            |                                                                                                                                                                            |      |              | (Non-Native Aquatic Plants*)                     |              |
|                    |            |                                                                                                                                                                            |      |              | Mercury in Fish Tissue                           | 33880        |
|                    |            |                                                                                                                                                                            |      |              | Oxygen, Dissolved                                |              |
| Peppermint Brook   | MA84A-35   | Headwaters, outlet of unnamed pond east of Route 38, Dracut to confluence with Beaver Brook, Dracut.                                                                       | 2.7  | MILES        | (Debris/Floatables/Trash*)                       |              |
|                    |            |                                                                                                                                                                            |      |              | Escherichia coli                                 |              |
| Plum Island River  | MA84A-27   | From Chaces Island, Merrimack River Estuary, to the "high sandy" sand bar just north of the confluence with Pine Island Creek, Newbury (formerly encompassed in MA84A-23). | 0.13 | SQUARE MILES | Fecal Coliform                                   |              |
| Powwow River       | MA84A-08   | Tidal portion, just downstream of Main Street, Amesbury to confluence with Merrimack River, Amesbury.                                                                      | 0.06 | SQUARE MILES | Escherichia coli                                 |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                       | SIZE  | UNITS        | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|-------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-------------------------------------------|--------------|
| Powwow River      | MA84A-25   | Outlet of Lake Gardner, Amesbury to tidal portion, just downstream of Main Street, Amesbury.                                                                                                      | 0.6   | MILES        | Escherichia coli                          |              |
| Powwow River      | MA84A-28   | Headwaters, outlet Tuxbury Pond, Amesbury to New Hampshire state line, Amesbury.                                                                                                                  | 2.9   | MILES        | Fecal Coliform                            |              |
|                   |            |                                                                                                                                                                                                   |       |              | Total Suspended Solids (TSS)              |              |
|                   |            |                                                                                                                                                                                                   |       |              | Turbidity                                 |              |
| Richardson Brook  | MA84A-12   | Headwaters, Dracut (excluding intermittent portion) to confluence with Merrimack River, Dracut.                                                                                                   | 1.9   | MILES        | Escherichia coli                          |              |
| Spectacle Pond    | MA84089    | Littleton/Ayer                                                                                                                                                                                    | 79    | ACRES        | (Non-Native Aquatic Plants*)              |              |
|                   |            |                                                                                                                                                                                                   |       |              | Oxygen, Dissolved                         |              |
| Spicket River     | MA84A-10   | New Hampshire state line, Methuen to confluence with Merrimack River, Lawrence.                                                                                                                   | 5.8   | MILES        | (Debris/Floatables/Trash*)                |              |
|                   |            |                                                                                                                                                                                                   |       |              | (Physical substrate habitat alterations*) |              |
|                   |            |                                                                                                                                                                                                   |       |              | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                                                                                                                   |       |              | Copper                                    |              |
|                   |            |                                                                                                                                                                                                   |       |              | Escherichia coli                          |              |
|                   |            |                                                                                                                                                                                                   |       |              | Mercury in Water Column                   |              |
|                   |            |                                                                                                                                                                                                   |       |              | Other                                     |              |
| Stevens Pond      | MA84064    | North Andover                                                                                                                                                                                     | 23    | ACRES        | Mercury in Fish Tissue                    |              |
| Stony Brook       | MA84B-03   | Outlet Forge Pond, Westford to Brookside Road, Westford.                                                                                                                                          | 6.5   | MILES        | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                                                                                                                   |       |              | Fecal Coliform                            |              |
|                   |            |                                                                                                                                                                                                   |       |              | Turbidity                                 |              |
| Stony Brook       | MA84B-04   | Brookside Road, Westford to confluence with Merrimack River, Chelmsford.                                                                                                                          | 3.4   | MILES        | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                                                                                                                   |       |              | Escherichia coli                          |              |
| Tadmuck Brook     | MA84B-07   | Headwaters south of Main Street, Westford to confluence with Stony Brook, Westford.                                                                                                               | 1.4   | MILES        | Escherichia coli                          |              |
| Trout Brook       | MA84A-13   | Headwaters, Dracut to confluence with Richardson Brook, Dracut.                                                                                                                                   | 2.6   | MILES        | Escherichia coli                          |              |
| Trull Brook       | MA84A-14   | Source, Tewksbury (excluding intermittent portion) to confluence with Merrimack River, Tewksbury.                                                                                                 | 2.1   | MILES        | Escherichia coli                          |              |
| Unnamed Tributary | MA84A-30   | Unnamed tributary to Powwow River locally considered portion of Back River from outlet of Clarks Pond, Amesbury to confluence with Powwow River, Amesbury (formerly portion of segment MA84A-16). | 0.003 | SQUARE MILES | Escherichia coli                          |              |
| Unnamed Tributary | MA84B-01   | (Locally known as Reedy Meadow Brook) Headwaters, outlet of small unnamed impoundment upstream of Bruce Street, Littleton to inlet Mill Pond, Littleton.                                          | 1.5   | MILES        | Fecal Coliform                            |              |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                  | SIZE     | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-----------------------------------------------|--------------|
| Ward Pond               | MA84096    | PALIS id changed from 35094 to 84096 on October 10, 1997. (WBID from MA35094 to MA84096) Ashburnham                                                                                                          | 54       | ACRES | Oxygen, Dissolved                             |              |
| <b>Millers</b>          |            |                                                                                                                                                                                                              |          |       |                                               |              |
| Beaver Brook            | MA35-09    | Fernald School discharge, Templeton to confluence with Millers River, Royalston.                                                                                                                             | 3.426302 | MILES | Fecal Coliform                                |              |
|                         |            |                                                                                                                                                                                                              |          |       | PCB in Fish Tissue                            |              |
| Boyce Brook             | MA35-17    | NH State Line, Royalston to confluence with East Branch Tully River, Royalston.                                                                                                                              | 3.227    | MILES | PCB in Fish Tissue                            |              |
| East Branch Tully River | MA35-12    | Confluence of Tully Brook and Falls Brook in Royalston State Forest, Royalston through Long Pond and Tully Lake to confluence with the West Branch Tully River forming headwaters Tully River, Orange/Athol. | 10.013   | MILES | PCB in Fish Tissue                            |              |
| Gales Pond              | MA35024    | Warwick                                                                                                                                                                                                      | 11.732   | ACRES | Mercury in Fish Tissue                        | 33880        |
|                         |            |                                                                                                                                                                                                              |          |       | Turbidity                                     |              |
| Keyup Brook             | MA35-16    | Headwaters Great Swamp Northfield State Forest, Northfield, to confluence with Millers River, Erving.                                                                                                        | 4.968    | MILES | PCB in Fish Tissue                            |              |
| Lake Monomonac          | MA35047    | Massachusetts portion only. Winchendon/Rindge, N.H.                                                                                                                                                          | 185.507  | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                         |            |                                                                                                                                                                                                              |          |       | Aquatic Plants (Macrophytes)                  | 4133         |
|                         |            |                                                                                                                                                                                                              |          |       | Mercury in Fish Tissue                        |              |
| Lake Rohunta            | MA35070    | (Middle Basin) Athol/Orange/New Salem                                                                                                                                                                        | 208.954  | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                         |            |                                                                                                                                                                                                              |          |       | Aquatic Plants (Macrophytes)                  |              |
|                         |            |                                                                                                                                                                                                              |          |       | Mercury in Fish Tissue                        | 33880        |
| Lake Rohunta            | MA35107    | (South Basin) New Salem                                                                                                                                                                                      | 41.63    | ACRES | (Non-Native Aquatic Plants*)                  |              |
|                         |            |                                                                                                                                                                                                              |          |       | Aquatic Plants (Macrophytes)                  |              |
|                         |            |                                                                                                                                                                                                              |          |       | Mercury in Fish Tissue                        | 33880        |
| Laurel Lake             | MA35035    | Erving/Warwick                                                                                                                                                                                               | 44.426   | ACRES | Oxygen, Dissolved                             |              |
| Lawrence Brook          | MA35-13    | New Hampshire state line, Royalston through Doane Falls to confluence with East Branch Tully River, Royalston.                                                                                               | 7.124    | MILES | PCB in Fish Tissue                            |              |
| Lyons Brook             | MA35-19    | Outlet of Ruggles Pond, Wendell to confluence with Millers River, Montague/Wendell                                                                                                                           | 2.119    | MILES | PCB in Fish Tissue                            |              |
| Millers River           | MA35-01    | Outlet of Whitney Pond, Winchendon to Winchendon WWTP, Winchendon.                                                                                                                                           | 3.303    | MILES | Ambient Bioassays -- Chronic Aquatic Toxicity |              |
|                         |            |                                                                                                                                                                                                              |          |       | Fecal Coliform                                |              |
|                         |            |                                                                                                                                                                                                              |          |       | PCB in Fish Tissue                            |              |
|                         |            |                                                                                                                                                                                                              |          |       | Phosphorus (Total)                            |              |
| Millers River           | MA35-02    | Winchendon WWTP, Winchendon to confluence with Otter River, Winchendon.                                                                                                                                      | 5.609    | MILES | PCB in Fish Tissue                            |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                           | SIZE         | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|----------------------------|------------|-----------------------------------------------------------------------------------------------------------------------|--------------|-------|-----------------------------------------------|--------------|
| Millers River              | MA35-03    | Confluence with Otter River, Winchendon to South Royalston USGS Gage, Royalston.                                      | 3.51603<br>1 | MILES | PCB in Fish Tissue                            |              |
|                            |            |                                                                                                                       |              |       | Phosphorus (Total)                            |              |
| Millers River              | MA35-04    | South Royalston USGS Gage, Royalston to Erving Center WWTP (formerly known as Erving Paper Company), Erving.          | 18.462       | MILES | Fecal Coliform                                |              |
|                            |            |                                                                                                                       |              |       | PCB in Fish Tissue                            |              |
|                            |            |                                                                                                                       |              |       | Phosphorus (Total)                            |              |
| Millers River              | MA35-05    | Erving Center WWTP (formerly known as Erving Paper Company), Erving to confluence with Connecticut River, Erving.     | 9.21         | MILES | PCB in Fish Tissue                            |              |
| Mormon Hollow Brook        | MA35-15    | Headwaters just north of Montague Road, Wendell to confluence with Millers River, Wendell.                            | 3.825        | MILES | PCB in Fish Tissue                            |              |
| North Branch Millers River | MA35-21    | Outlet of Lake Mononomac, Winchendon to inlet of Whitney Pond, Winchendon                                             | 2.006        | MILES | Mercury in Fish Tissue                        |              |
| Otter River                | MA35-07    | Gardner WWTP, Gardner/Templeton to Seaman Paper Dam, Templeton.                                                       | 4.379        | MILES | Aquatic Macroinvertebrate Bioassessments      |              |
|                            |            |                                                                                                                       |              |       | Fishes Bioassessments                         |              |
|                            |            |                                                                                                                       |              |       | Nutrient/Eutrophication Biological Indicators |              |
|                            |            |                                                                                                                       |              |       | Turbidity                                     |              |
| Otter River                | MA35-08    | Seaman Paper Dam, Templeton to confluence with Millers River, Winchendon.                                             | 5.548        | MILES | (Total Dissolved Solids*)                     |              |
|                            |            |                                                                                                                       |              |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                            |            |                                                                                                                       |              |       | Fecal Coliform                                |              |
|                            |            |                                                                                                                       |              |       | Fishes Bioassessments                         |              |
|                            |            |                                                                                                                       |              |       | Nutrient/Eutrophication Biological Indicators |              |
|                            |            |                                                                                                                       |              |       | PCB in Fish Tissue                            |              |
|                            |            |                                                                                                                       |              |       | Taste and Odor                                |              |
| Tully River                | MA35-14    | Confluence East and West Branches Tully River, Orange/Athol to confluence with Millers River, Athol.                  | 1.585        | MILES | Turbidity                                     |              |
|                            |            |                                                                                                                       |              |       | PCB in Fish Tissue                            |              |
| West Branch Tully River    | MA35-11    | Outlet Sheomet Lake, Warwick to confluence with East Branch Tully River forming headwaters Tully River, Orange/Athol. | 6.619        | MILES | PCB in Fish Tissue                            |              |
| Whetstone Brook            | MA35-18    | Headwaters northeast of Orcutt Hill near New Salem Rd, Wendell to confluence with Millers River, Wendell.             | 4.885        | MILES | PCB in Fish Tissue                            |              |
| Whites Mill Pond           | MA35099    | Winchendon                                                                                                            | 42.426       | ACRES | Aquatic Plants (Macrophytes)                  | 4144         |
|                            |            |                                                                                                                       |              |       | Mercury in Fish Tissue                        |              |
| Whitney Pond               | MA35101    | Winchendon                                                                                                            | 96.839       | ACRES | Aquatic Plants (Macrophytes)                  | 4145         |
|                            |            |                                                                                                                       |              |       | Mercury in Fish Tissue                        |              |
|                            |            |                                                                                                                       |              |       | Turbidity                                     | 4145         |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                               | SIZE | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|--------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|-----------------------------------------------|--------------|
| Mount Hope Bay (Shore)   |            |                                                                                                                                                                                                                                                                                                                                           |      |              |                                               |              |
| Cole River               | MA61-04    | Route 6, Swansea to the mouth at Mount Hope Bay at old railway grade, Swansea                                                                                                                                                                                                                                                             | 0.31 | SQUARE MILES | Chlorophyll-a                                 |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fecal Coliform                                | 38907        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Nitrogen (Total)                              |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Oxygen, Dissolved                             |              |
| Lee River                | MA61-01    | From confluence with Lewin Brook, Swansea to Route 6, Swansea/Somerset                                                                                                                                                                                                                                                                    | 0.02 | SQUARE MILES | Fecal Coliform                                | 38905        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Nutrient/Eutrophication Biological Indicators |              |
| Lee River                | MA61-02    | Route 6, Swansea/Somerset to mouth at Mount Hope Bay, Swansea/Somerset                                                                                                                                                                                                                                                                    | 0.51 | SQUARE MILES | (Debris/Floatables/Trash*)                    |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Chlorophyll-a                                 |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fecal Coliform                                | 38906        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Nitrogen (Total)                              |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Oxygen, Dissolved                             |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Taste and Odor                                |              |
| Mount Hope Bay           | MA61-06    | the Massachusetts portion from the Braga Bridge, Fall River/Somerset to the state border Fall River, MA/Tiverton, RI to the line from Braton Point Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI                                                                                                       | 2.29 | SQUARE MILES | Chlorophyll-a                                 |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fecal Coliform                                | 38908        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fishes Bioassessments                         |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Nitrogen (Total)                              |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Temperature, water                            |              |
| Mount Hope Bay           | MA61-07    | the Massachusetts portion from mouth of Cole River (at old railway grade), Swansea to state border Swansea, MA/Warren, RI to the line from Brayton Point, Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI to the line betweenBay Point, Swansea and Brayton Point, Somerset (the mouth of the Lee River) | 1.84 | SQUARE MILES | Chlorophyll-a                                 |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fecal Coliform                                | 38909        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fishes Bioassessments                         |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Nitrogen (Total)                              |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Oxygen, Dissolved                             |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Temperature, water                            |              |
| Narragansett Bay (Shore) |            |                                                                                                                                                                                                                                                                                                                                           |      |              |                                               |              |
| Palmer River             | MA53-04    | From confluence of East and West Branches of the Palmer River, Rehoboth to the Shad Factory Pond dam, Rehoboth                                                                                                                                                                                                                            | 5.6  | MILES        | (Low flow alterations*)                       |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fecal Coliform                                | 35086        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Nutrient/Eutrophication Biological Indicators |              |
| Runnins River            | MA53-01    | Route 44, Seekonk to Mobile Dam, Seekonk, MA/East Providence, RI (through Burrs Pond formerly segment MA53001)                                                                                                                                                                                                                            | 3.7  | MILES        | (Debris/Floatables/Trash*)                    |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Aquatic Macroinvertebrate Bioassessments      |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Fecal Coliform                                | 38903        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Mercury in Fish Tissue                        | 33880        |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Nutrient/Eutrophication Biological Indicators |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Oil and Grease                                |              |
|                          |            |                                                                                                                                                                                                                                                                                                                                           |      |              | Oxygen, Dissolved                             |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                         | SIZE | UNITS | IMPAIRMENT CAUSE                                             | EPA TMDL NO. |
|-------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------------------------------------------------------------|--------------|
| <b>Nashua</b>     |            |                                                                                                                                                                     |      |       |                                                              |              |
| Asnebumskit Brook | MA81-56    | From outlet Eagle Lake, Holden to the confluence with the Quinapoxet River, Holden.                                                                                 | 2.9  | MILES | Ambient Bioassays -- Chronic Aquatic Toxicity                |              |
| Bartlett Pond     | MA81008    | Lancaster                                                                                                                                                           | 5    | ACRES | Escherichia coli                                             |              |
| Fort Pond         | MA81046    | Lancaster                                                                                                                                                           | 76   | ACRES | Oxygen, Dissolved                                            |              |
| Gates Brook       | MA81-24    | Headwaters west of Prospect Street, West Boylston to inlet Wachusett Reservoir (Gates Cove), West Boylston.                                                         | 3.4  | MILES | Fecal Coliform                                               |              |
| Grove Pond        | MA81053    | Ayer                                                                                                                                                                | 67   | ACRES | (Non-Native Aquatic Plants*)                                 |              |
|                   |            |                                                                                                                                                                     |      |       | Aquatic Plants (Macrophytes)                                 |              |
|                   |            |                                                                                                                                                                     |      |       | Arsenic                                                      |              |
|                   |            |                                                                                                                                                                     |      |       | DEHP (Di-sec-octyl phthalate)                                |              |
|                   |            |                                                                                                                                                                     |      |       | Mercury in Fish Tissue                                       |              |
|                   |            |                                                                                                                                                                     |      |       | Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems) |              |
|                   |            |                                                                                                                                                                     |      |       | Sediment Bioassays -- Chronic Toxicity Freshwater            |              |
| James Brook       | MA81-20    | Headwaters, Groton to confluence with Nashua River, Ayer/Groton.                                                                                                    | 3.9  | MILES | Escherichia coli                                             |              |
| Lake Shirley      | MA81122    | Lunenburg                                                                                                                                                           | 360  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)             |              |
|                   |            |                                                                                                                                                                     |      |       | (Non-Native Aquatic Plants*)                                 |              |
|                   |            |                                                                                                                                                                     |      |       | Excess Algal Growth                                          |              |
|                   |            |                                                                                                                                                                     |      |       | Mercury in Fish Tissue                                       | 42399        |
|                   |            |                                                                                                                                                                     |      |       | Oxygen, Dissolved                                            |              |
|                   |            |                                                                                                                                                                     |      |       | Turbidity                                                    |              |
| Malagasco Brook   | MA81-29    | Headwaters southwest of Apron Hill, Boylston through Pine Swamp to the inlet of Wachusett Reservoir (South Bay), Boylston.                                          | 2.4  | MILES | Aquatic Macroinvertebrate Bioassessments                     |              |
|                   |            |                                                                                                                                                                     |      |       | Nutrient/Eutrophication Biological Indicators                |              |
| Mirror Lake       | MA81085    | Harvard                                                                                                                                                             | 28   | ACRES | Mercury in Fish Tissue                                       |              |
| Monoosnuc Brook   | MA81-13    | Outlet of Simonds Pond, Leominster to confluence with North Nashua River, Leominster (through former pond segments Pierce Pond MA 81101 and Rockwell Pond MA81112). | 6.1  | MILES | Escherichia coli                                             |              |
| Muddy Brook       | MA81-28    | Headwaters west of Shrewsbury Street, West Boylston to inlet of Wachusett Reservoir (South Bay), West Boylston.                                                     | 0.8  | MILES | Aquatic Macroinvertebrate Bioassessments                     |              |
| Mulpus Brook      | MA81-37    | From the outlet of Hickory Hills Lake, Lunenburg to the confluence with the Nashua River, Shirley (formerly part of segment MA81-22).                               | 6.3  | MILES | Lack of a coldwater assemblage                               |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                           | SIZE | UNITS | IMPAIRMENT CAUSE                                | EPA TMDL NO. |
|--------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------|------|-------|-------------------------------------------------|--------------|
| Nashua River       | MA81-05    | Confluence with North Nashua River, Lancaster to confluence with Squannacook River, Shirley/Groton/Ayer.                              | 14.2 | MILES | Aquatic Macroinvertebrate Bioassessments        |              |
|                    |            |                                                                                                                                       |      |       | Escherichia coli                                |              |
|                    |            |                                                                                                                                       |      |       | Phosphorus (Total)                              |              |
|                    |            |                                                                                                                                       |      |       | Sediment Bioassays -- Acute Toxicity Freshwater |              |
| Nashua River       | MA81-06    | Confluence with Squannacook River, Shirley/Groton/Ayer to Pepperell Dam, Pepperell. (through Pepperell Pond formerly segment MA81167) | 9.1  | MILES | (Non-Native Aquatic Plants*)                    |              |
|                    |            |                                                                                                                                       |      |       | Aquatic Macroinvertebrate Bioassessments        |              |
|                    |            |                                                                                                                                       |      |       | Mercury in Fish Tissue                          |              |
|                    |            |                                                                                                                                       |      |       | Nutrient/Eutrophication Biological Indicators   |              |
| Nashua River       | MA81-07    | Pepperell Dam, Pepperell to New Hampshire state line, Pepperell/Dunstable.                                                            | 3.7  | MILES | Aquatic Macroinvertebrate Bioassessments        |              |
|                    |            |                                                                                                                                       |      |       | Phosphorus (Total)                              |              |
| Nashua River       | MA81-09    | ("South Branch" Nashua River) Clinton WWTP discharge, Clinton to confluence with North Nashua River, Lancaster.                       | 1.8  | MILES | Escherichia coli                                |              |
|                    |            |                                                                                                                                       |      |       | Phosphorus (Total)                              |              |
| Nissitissit River  | MA81-21    | New Hampshire state line, Pepperell to confluence with Nashua River, Pepperell.                                                       | 4.6  | MILES | Lack of a coldwater assemblage                  |              |
| Nonacoicus Brook   | MA81-17    | Outlet Plow Shop Pond, Ayer to confluence with Nashua River, Ayer/Shirley.                                                            | 1.4  | MILES | Oxygen, Dissolved                               |              |
| North Nashua River | MA81-01    | Outlet Snows Millpond, Fitchburg to Fitchburg Paper Company Dam #1, Fitchburg.                                                        | 1.7  | MILES | Escherichia coli                                |              |
| North Nashua River | MA81-02    | Fitchburg Paper Company Dam #1, Fitchburg to Fitchburg East WWTP outfall, Leominster.                                                 | 6.9  | MILES | Ambient Bioassays -- Chronic Aquatic Toxicity   |              |
|                    |            |                                                                                                                                       |      |       | Aquatic Macroinvertebrate Bioassessments        |              |
|                    |            |                                                                                                                                       |      |       | Escherichia coli                                |              |
| North Nashua River | MA81-03    | Fitchburg East WWTP outfall, Leominster to Leominster WWTP outfall, Leominster.                                                       | 1.6  | MILES | Escherichia coli                                |              |
| North Nashua River | MA81-04    | Leominster WWTP outfall, Leominster to confluence with Nashua River, Lancaster.                                                       | 10.4 | MILES | Escherichia coli                                |              |
|                    |            |                                                                                                                                       |      |       | Taste and Odor                                  |              |
| Partridge Pond     | MA81098    | Westminster                                                                                                                           | 25   | ACRES | (Non-Native Aquatic Plants*)                    |              |
|                    |            |                                                                                                                                       |      |       | Aquatic Plants (Macrophytes)                    |              |
|                    |            |                                                                                                                                       |      |       | Turbidity                                       |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                             | SIZE   | UNITS | IMPAIRMENT CAUSE                                             | EPA TMDL NO. |
|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|--------------------------------------------------------------|--------------|
| Plow Shop Pond       | MA81103    | Ayer                                                                                                                                                                                    | 29     | ACRES | (Non-Native Aquatic Plants*)                                 |              |
|                      |            |                                                                                                                                                                                         |        |       | Aquatic Plants (Macrophytes)                                 |              |
|                      |            |                                                                                                                                                                                         |        |       | Arsenic                                                      |              |
|                      |            |                                                                                                                                                                                         |        |       | Chromium (total)                                             |              |
|                      |            |                                                                                                                                                                                         |        |       | Mercury in Fish Tissue                                       |              |
|                      |            |                                                                                                                                                                                         |        |       | Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems) |              |
|                      |            |                                                                                                                                                                                         |        |       | Sediment Bioassays -- Chronic Toxicity Freshwater            |              |
| Squannacook River    | MA81-18    | Confluence Mason and Willard brooks, Townsend to Hollingsworth and Vose Dam, Groton/Shirley. (through Harbor Pond formerly segment MA81054)                                             | 12.6   | MILES | Escherichia coli                                             |              |
|                      |            |                                                                                                                                                                                         |        |       | Lack of a coldwater assemblage                               |              |
|                      |            |                                                                                                                                                                                         |        |       | pH, Low                                                      |              |
|                      |            |                                                                                                                                                                                         |        |       | Temperature, water                                           |              |
| Still River          | MA81-60    | Headwaters, Lancaster to Route 117, Bolton (formerly the upper portion of MA81-15).                                                                                                     | 0.6    | MILES | Escherichia coli                                             |              |
| Unnamed Tributary    | MA81-35    | AKA-"Lower Chaffin Brook" - Outlet Unionville Pond, Holden to confluence with Quinepoxet River, Holden.                                                                                 | 0.5    | MILES | Aquatic Macroinvertebrate Bioassessments                     |              |
|                      |            |                                                                                                                                                                                         |        |       | Oxygen, Dissolved                                            |              |
| Unnamed Tributary    | MA81-61    | Unnamed tributary to the North Nashua River, locally considered a portion of Wekepeke Brook, from the outlet of Bartlett Pond to the confluence with the North Nashua River, Lancaster. | 0.3    | MILES | Escherichia coli                                             |              |
| <b>North Coastal</b> |            |                                                                                                                                                                                         |        |       |                                                              |              |
| Bass River           | MA93-07    | Headwaters west of Wenham Lake, Beverly to the outlet of "Lower Shoe Pond" north of Route 62, Beverly.                                                                                  | 2.107  | MILES | (Fish-Passage Barrier*)                                      |              |
|                      |            |                                                                                                                                                                                         |        |       | Turbidity                                                    |              |
| Beaver Brook         | MA93-37    | Headwaters west of Route 95, Danvers to inlet Mill Pond, Danvers.                                                                                                                       | 2.687  | MILES | Oxygen, Dissolved                                            |              |
| Beaverdam Brook      | MA93-30    | Headwaters west of Main Street, Lynnfield to confluence with Saugus River (Reedy Meadow), Lynnfield.                                                                                    | 1.461  | MILES | Fecal Coliform                                               | 50120        |
|                      |            |                                                                                                                                                                                         |        |       | Oxygen, Dissolved                                            |              |
| Cape Pond            | MA93011    | Rockport                                                                                                                                                                                | 42.45  | ACRES | Turbidity                                                    |              |
| Cat Brook            | MA93-29    | Headwaters east of Route 128, Manchester to confluence with Manchester Harbor (Route 127), Manchester.                                                                                  | 1.679  | MILES | Fecal Coliform                                               | 50120        |
|                      |            |                                                                                                                                                                                         |        |       | pH, Low                                                      |              |
| Flax Pond            | MA93023    | Lynn                                                                                                                                                                                    | 55.449 | ACRES | (Non-Native Aquatic Plants*)                                 |              |
|                      |            |                                                                                                                                                                                         |        |       | Chlordane                                                    |              |
|                      |            |                                                                                                                                                                                         |        |       | DDT                                                          |              |
|                      |            |                                                                                                                                                                                         |        |       | Excess Algal Growth                                          |              |
|                      |            |                                                                                                                                                                                         |        |       | Turbidity                                                    |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                  | SIZE    | UNITS        | IMPAIRMENT CAUSE                                           | EPA TMDL NO. |
|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|------------------------------------------------------------|--------------|
| Floating Bridge Pond | MA93024    | Lynn                                                                                                                                                         | 11.905  | ACRES        | Excess Algal Growth                                        |              |
|                      |            |                                                                                                                                                              |         |              | Phosphorus (Total)                                         |              |
|                      |            |                                                                                                                                                              |         |              | Turbidity                                                  |              |
| Forest River         | MA93-10    | Approximately 0.4 miles upstream of Loring Avenue, Salem to Salem Harbor, Salem.                                                                             | 0.026   | SQUARE MILES | Dissolved oxygen saturation                                |              |
| Foster Pond          | MA93026    | Swampscott                                                                                                                                                   | 4.619   | ACRES        | DDT                                                        |              |
| Gloucester Harbor    | MA93-18    | The waters landward of an imaginary line drawn between Mussel Point and the tip of the Dog Bar Breakwater, Gloucester excluding the Annisquam River.         | 2.325   | SQUARE MILES | Combined Biota/Habitat Bioassessments                      |              |
|                      |            |                                                                                                                                                              |         |              | Fecal Coliform                                             | 50122        |
|                      |            |                                                                                                                                                              |         |              | Oxygen, Dissolved                                          |              |
| Goldthwait Brook     | MA93-05    | Outlet Cedar Pond, Peabody to confluence with Proctor Brook, Peabody.                                                                                        | 3.291   | MILES        | (Alteration in stream-side or littoral vegetative covers*) |              |
|                      |            |                                                                                                                                                              |         |              | (Debris/Floatables/Trash*)                                 |              |
|                      |            |                                                                                                                                                              |         |              | (Low flow alterations*)                                    |              |
|                      |            |                                                                                                                                                              |         |              | Fecal Coliform                                             | 50120        |
|                      |            |                                                                                                                                                              |         |              | Foam/Flocs/Scum/Oil Slicks                                 |              |
|                      |            |                                                                                                                                                              |         |              | Oxygen, Dissolved                                          |              |
|                      |            |                                                                                                                                                              |         |              | Phosphorus (Total)                                         |              |
| Hawkes Pond          | MA93032    | Lynnfield/Saugus                                                                                                                                             | 65.172  | ACRES        | Turbidity                                                  |              |
| Lake Quannapowitt    | MA93060    | Wakefield                                                                                                                                                    | 246.002 | ACRES        | (Non-Native Aquatic Plants*)                               |              |
|                      |            |                                                                                                                                                              |         |              | DDT                                                        |              |
|                      |            |                                                                                                                                                              |         |              | Excess Algal Growth                                        |              |
|                      |            |                                                                                                                                                              |         |              | Turbidity                                                  |              |
| Lily Pond            | MA93039    | Gloucester                                                                                                                                                   | 23.744  | ACRES        | Excess Algal Growth                                        |              |
|                      |            |                                                                                                                                                              |         |              | Nutrient/Eutrophication Biological Indicators              |              |
|                      |            |                                                                                                                                                              |         |              | Turbidity                                                  |              |
| Mill River           | MA93-31    | From headwaters in wetlands north of Salem Street, Wakefield to confluence with Saugus River, Wakefield.                                                     | 1.993   | MILES        | Fecal Coliform                                             | 50120        |
|                      |            |                                                                                                                                                              |         |              | Oxygen, Dissolved                                          |              |
|                      |            |                                                                                                                                                              |         |              | Total Suspended Solids (TSS)                               |              |
|                      |            |                                                                                                                                                              |         |              | Turbidity                                                  |              |
| North River          | MA93-42    | Downstream of Route 114 bridge (Proctor Brook becomes North River at this bridge), Salem to confluence with Danvers River, Salem (formerly part of MA93-06). | 0.145   | SQUARE MILES | Ammonia (Un-ionized)                                       |              |
|                      |            |                                                                                                                                                              |         |              | Dissolved oxygen saturation                                |              |
|                      |            |                                                                                                                                                              |         |              | Fecal Coliform                                             | 50121        |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME          | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                              | SIZE   | UNITS        | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|---------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-------------------------------------------|--------------|
| Pillings Pond | MA93056    | Lynnfield                                                                                                                                                                                                                                                                                                | 90.314 | ACRES        | Chlorophyll-a                             |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Dissolved oxygen saturation               |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Excess Algal Growth                       |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Oxygen, Dissolved                         |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Phosphorus (Total)                        |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Secchi disk transparency                  |              |
| Proctor Brook | MA93-39    | Outlet of small pond in wetland north of Downing Road, Peabody to Grove/Goodhue Street bridge, Salem (formerly part of MA93-06).                                                                                                                                                                         | 2.948  | MILES        | (Debris/Floatables/Trash*)                |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Aquatic Macroinvertebrate Bioassessments  |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Fecal Coliform                            | 50120        |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Foam/Flocs/Scum/Oil Slicks                |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Nitrogen (Total)                          |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Phosphorus (Total)                        |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Sedimentation/Siltation                   |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Taste and Odor                            |              |
| Proctor Brook | MA93-40    | Grove/Goodhue Street bridge, Salem to Route 114 culvert, Salem (formerly part of MA93-06).                                                                                                                                                                                                               | 0.005  | SQUARE MILES | (Debris/Floatables/Trash*)                |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Fecal Coliform                            | 50123        |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Foam/Flocs/Scum/Oil Slicks                |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Taste and Odor                            |              |
| Salem Harbor  | MA93-54    | Waters landward of an imaginary line from Naugus Head, Marblehead to the northwest point of Bakers Island, Salem to Hospital Point, Beverly to Juniper Point, Salem (excluding Forest River) (formerly segment MA93-21 Salem Harbor and a portion of segment MA93-25 Salem Sound [waterbody code 93907]) | 4.91   | SQUARE MILES | Estuarine Bioassessments                  |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Fecal Coliform                            | 50122        |
| Saugus River  | MA93-34    | Headwaters, outlet of Lake Quannapowitt, Wakefield (thru Reedy Meadow) to Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield (canal diverts to Hawks Pond) (formerly part of segment MA93-13).                                                                                           | 3.083  | MILES        | (Fish-Passage Barrier*)                   |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | (Physical substrate habitat alterations*) |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Aquatic Plants (Macrophytes)              |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Excess Algal Growth                       |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Fecal Coliform                            | 50120        |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Nitrogen (Total)                          |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Phosphorus (Total)                        |              |
|               |            |                                                                                                                                                                                                                                                                                                          |        |              | Turbidity                                 |              |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                   | SIZE   | UNITS        | IMPAIRMENT CAUSE                                           | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|------------------------------------------------------------|--------------|
| Saugus River      | MA93-43    | Saugus Iron Works, Bridge Street, Saugus to Lincoln Avenue/Boston Street, Saugus/Lynn (formerly part of segment 93-14).                       | 0.038  | SQUARE MILES | (Other flow regime alterations*)                           |              |
|                   |            |                                                                                                                                               |        |              | Fecal Coliform                                             | 50122        |
|                   |            |                                                                                                                                               |        |              | Oil and Grease                                             |              |
|                   |            |                                                                                                                                               |        |              | Temperature, water                                         |              |
| Saugus River      | MA93-44    | Lincoln Avenue/Boston Street, Saugus/Lynn to mouth (east of Route 1A) at Lynn Harbor, Lynn/Revere (formerly part of segment 93-14).           | 0.363  | SQUARE MILES | (Other flow regime alterations*)                           |              |
|                   |            |                                                                                                                                               |        |              | Fecal Coliform                                             | 50122        |
|                   |            |                                                                                                                                               |        |              | Oil and Grease                                             |              |
|                   |            |                                                                                                                                               |        |              | Temperature, water                                         |              |
| Strangman Pond    | MA93076    | Gloucester                                                                                                                                    | 3.341  | ACRES        | Aquatic Plants (Macrophytes)                               |              |
|                   |            |                                                                                                                                               |        |              | Excess Algal Growth                                        |              |
|                   |            |                                                                                                                                               |        |              | Turbidity                                                  |              |
| Unnamed Tributary | MA93-51    | Unnamed tributary locally known as "Town Line Brook", from Route 99, Malden to the confluence with the Pines River, Revere.                   | 0.017  | SQUARE MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                   |            |                                                                                                                                               |        |              | (Debris/Floatables/Trash*)                                 |              |
|                   |            |                                                                                                                                               |        |              | (Other flow regime alterations*)                           |              |
|                   |            |                                                                                                                                               |        |              | (Physical substrate habitat alterations*)                  |              |
|                   |            |                                                                                                                                               |        |              | Fecal Coliform                                             | 50123        |
|                   |            |                                                                                                                                               |        |              | Taste and Odor                                             |              |
| Upper Banjo Pond  | MA93080    | Gloucester                                                                                                                                    | 10.531 | ACRES        | Aquatic Plants (Macrophytes)                               |              |
|                   |            |                                                                                                                                               |        |              | Turbidity                                                  |              |
| West Pond         | MA93089    | Gloucester                                                                                                                                    | 7.142  | ACRES        | Chlorophyll-a                                              |              |
|                   |            |                                                                                                                                               |        |              | Excess Algal Growth                                        |              |
|                   |            |                                                                                                                                               |        |              | Phosphorus (Total)                                         |              |
|                   |            |                                                                                                                                               |        |              | Secchi disk transparency                                   |              |
| Parker            |            |                                                                                                                                               |        |              |                                                            |              |
| Baldpate Pond     | MA91001    | Boxford                                                                                                                                       | 60     | ACRES        | (Non-Native Aquatic Plants*)                               |              |
|                   |            |                                                                                                                                               |        |              | Mercury in Fish Tissue                                     |              |
|                   |            |                                                                                                                                               |        |              | Oxygen, Dissolved                                          |              |
| Eagle Hill River  | MA91-06    | Headwaters near Town Farm Road, Ipswich to the mouth at Plum Island Sound, Ipswich.                                                           | 0.35   | SQUARE MILES | Fecal Coliform                                             |              |
| Egypt River       | MA91-14    | East of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich to confluence with Muddy Run and Rowley River, Rowley/Ipswich. | 0.01   | SQUARE MILES | Fecal Coliform                                             |              |
| Little River      | MA91-11    | Scotland Road/Parker Street, Newbury/Newburyport to confluence with Parker River. Newbury.                                                    | 0.09   | SQUARE MILES | Fecal Coliform                                             |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                     | SIZE | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|-----------------------------------------------|--------------|
| Mill River        | MA91-08    | Headwaters - Outlet of small unnamed pond between Route 95 and Rowley Road, Boxford to Route 1, Rowley/Newbury (through Upper Mill Pond formerly segment MA91015 and Lower Mill Pond formerly segment MA91008). | 6.9  | MILES        | (Non-Native Aquatic Plants*)                  |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Aquatic Macroinvertebrate Bioassessments      |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Aquatic Plants (Macrophytes)                  |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Excess Algal Growth                           |              |
| Mill River        | MA91-09    | Route 1, Rowley/Newbury to confluence with Parker River, Newbury.                                                                                                                                               | 0.09 | SQUARE MILES | Fecal Coliform                                |              |
| Paine Creek       | MA91-03    | Headwaters to confluence with Eagle Hill River, Ipswich.                                                                                                                                                        | 0.06 | SQUARE MILES | Fecal Coliform                                |              |
| Parker River      | MA91-02    | Central Street, Newbury to mouth at Plum Island Sound, Newbury.                                                                                                                                                 | 0.6  | SQUARE MILES | Fecal Coliform                                |              |
| Pentucket Pond    | MA91010    | Georgetown                                                                                                                                                                                                      | 92   | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Fecal Coliform                                |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Mercury in Fish Tissue                        |              |
| Plum Island River | MA91-15    | From "high sandy" sandbar just north of the confluence with Pine Island Creek, Newbury to confluence with Plum Island Sound, Newbury.                                                                           | 0.39 | SQUARE MILES | Fecal Coliform                                |              |
| Plum Island Sound | MA91-12    | From the mouth of both the Parker River and Plum Island River, Newbury to the Atlantic Ocean, Ipswich (Includes Ipswich Bay).                                                                                   | 4.44 | SQUARE MILES | Fecal Coliform                                |              |
| Rock Pond         | MA91012    | Georgetown                                                                                                                                                                                                      | 49   | ACRES        | Mercury in Fish Tissue                        |              |
| Rowley River      | MA91-05    | Confluence with Egypt River and Muddy Run, Rowley/Ipswich to mouth at Plum Island Sound, Rowley/Ipswich.                                                                                                        | 0.27 | SQUARE MILES | Fecal Coliform                                |              |
| <b>Quinebaug</b>  |            |                                                                                                                                                                                                                 |      |              |                                               |              |
| Alum Pond         | MA41001    | Sturbridge                                                                                                                                                                                                      | 198  | ACRES        | Oxygen, Dissolved                             |              |
| Cady Brook        | MA41-05    | Headwaters, outlet of Glen Echo Lake, Charlton to Charlton City WWTP outfall, Charlton.                                                                                                                         | 1.5  | MILES        | (Low flow alterations*)                       |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Ambient Bioassays -- Chronic Aquatic Toxicity |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Fecal Coliform                                |              |
| Cady Brook        | MA41-06    | Charlton City WWTP outfall, Charlton to confluence with Quinebaug River, Southbridge.                                                                                                                           | 5.1  | MILES        | (Low flow alterations*)                       |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Nutrient/Eutrophication Biological Indicators |              |
| Cohasse Brook     | MA41-12    | From the outlet of Cohasse Brook Reservoir, Southbridge through Wells Pond (formerly pond segment MA41053) to the confluence with the Quinebaug River, Southbridge.                                             | 2.7  | MILES        | Aquatic Macroinvertebrate Bioassessments      |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Escherichia coli                              |              |
|                   |            |                                                                                                                                                                                                                 |      |              | Sedimentation/Siltation                       |              |
| Glen Echo Lake    | MA41017    | Charlton                                                                                                                                                                                                        | 115  | ACRES        | Oxygen, Dissolved                             |              |
| Hatchet Brook     | MA41-14    | From the outlet of No. 3 Reservoir, Southbridge to the confluence with the Quinebaug River, Southbridge.                                                                                                        | 1.3  | MILES        | Escherichia coli                              |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME            | SEGMENT ID | DESCRIPTION                                                                                                                                                       | SIZE | UNITS | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-----------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------------------------------------------|--------------|
| McKinstry Brook | MA41-13    | Headwaters, east of Brookfield Road, Charlton (excluding intermittent portion) to the confluence with the Quinebaug River, Southbridge.                           | 7.3  | MILES | (Debris/Floatables/Trash*)                    |              |
|                 |            |                                                                                                                                                                   |      |       | Escherichia coli                              |              |
| Morse Pond      | MA41033    | Southbridge                                                                                                                                                       | 41   | ACRES | Aquatic Plants (Macrophytes)                  |              |
|                 |            |                                                                                                                                                                   |      |       | Oxygen, Dissolved                             |              |
| Pistol Pond     | MA41057    | Sturbridge                                                                                                                                                        | 5    | ACRES | Aquatic Plants (Macrophytes)                  |              |
|                 |            |                                                                                                                                                                   |      |       | Oxygen, Dissolved                             |              |
|                 |            |                                                                                                                                                                   |      |       | Secchi disk transparency                      |              |
| Quinebaug River | MA41-01    | Outlet Hamilton Reservoir, Holland, to Sturbridge WWTP outfall, Sturbridge (excluding Holland Pond segment MA41022 and East Brimfield Reservoir segment MA41014). | 8.2  | MILES | Ambient Bioassays -- Chronic Aquatic Toxicity |              |
|                 |            |                                                                                                                                                                   |      |       | Fecal Coliform                                |              |
|                 |            |                                                                                                                                                                   |      |       | Fishes Bioassessments                         |              |
|                 |            |                                                                                                                                                                   |      |       | Lack of a coldwater assemblage                |              |
|                 |            |                                                                                                                                                                   |      |       | Mercury in Fish Tissue                        |              |
| Quinebaug River | MA41-02    | Sturbridge WWTP outfall, Sturbridge to confluence with Cady Brook, Southbridge.                                                                                   | 6.5  | MILES | (Debris/Floatables/Trash*)                    |              |
|                 |            |                                                                                                                                                                   |      |       | Excess Algal Growth                           |              |
|                 |            |                                                                                                                                                                   |      |       | Turbidity                                     |              |
| Quinebaug River | MA41-03    | Southbridge WWTP outfall, Southbridge to dam just upstream of West Dudley Road, Dudley.                                                                           | 2.2  | MILES | (Debris/Floatables/Trash*)                    |              |
|                 |            |                                                                                                                                                                   |      |       | (Physical substrate habitat alterations*)     |              |
|                 |            |                                                                                                                                                                   |      |       | Fecal Coliform                                |              |
|                 |            |                                                                                                                                                                   |      |       | Other                                         |              |
|                 |            |                                                                                                                                                                   |      |       | Oxygen, Dissolved                             |              |
|                 |            |                                                                                                                                                                   |      |       | Taste and Odor                                |              |
| Quinebaug River | MA41-04    | From dam just upstream of West Dudley Road, Dudley to Connecticut state line, Dudley.                                                                             | 2.2  | MILES | Fecal Coliform                                |              |
| Quinebaug River | MA41-09    | From confluence with Cady Brook, Southbridge to Southbridge WWTP outfall, Southbridge.                                                                            | 1.3  | MILES | (Debris/Floatables/Trash*)                    |              |
|                 |            |                                                                                                                                                                   |      |       | Ambient Bioassays -- Chronic Aquatic Toxicity |              |
|                 |            |                                                                                                                                                                   |      |       | Aquatic Macroinvertebrate Bioassessments      |              |
|                 |            |                                                                                                                                                                   |      |       | Turbidity                                     |              |
| Sibley Pond     | MA41047    | North Basin, Charlton                                                                                                                                             | 22   | ACRES | Aquatic Plants (Macrophytes)                  |              |
|                 |            |                                                                                                                                                                   |      |       | Oxygen, Dissolved                             |              |
|                 |            |                                                                                                                                                                   |      |       | Turbidity                                     |              |
| Sibley Pond     | MA41048    | South Basin, Charlton                                                                                                                                             | 19   | ACRES | Aquatic Plants (Macrophytes)                  |              |
|                 |            |                                                                                                                                                                   |      |       | Oxygen, Dissolved                             |              |
|                 |            |                                                                                                                                                                   |      |       | Turbidity                                     |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                  | SIZE     | UNITS | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|-------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------------------------------------------|--------------|
| Unnamed Tributary       | MA41-16    | Unnamed tributary to Mill Brook, headwaters, outlet Sherman Pond, Brimfield to confluence with Mill Brook, Brimfield.                                                        | 1.2      | MILES | Aquatic Macroinvertebrate Bioassessments  |              |
|                         |            |                                                                                                                                                                              |          |       | Escherichia coli                          |              |
|                         |            |                                                                                                                                                                              |          |       | Oxygen, Dissolved                         |              |
|                         |            |                                                                                                                                                                              |          |       | Sedimentation/Siltation                   |              |
| Shawsheen               |            |                                                                                                                                                                              |          |       |                                           |              |
| Ames Pond               | MA83001    | Tewksbury                                                                                                                                                                    | 76.47    | ACRES | Mercury in Fish Tissue                    |              |
| Ballardvale Impoundment | MA83011    | Andover (Lowell Junction Pond)                                                                                                                                               | 35.292   | ACRES | (Non-Native Aquatic Plants*)              |              |
|                         |            |                                                                                                                                                                              |          |       | Aquatic Plants (Macrophytes)              |              |
|                         |            |                                                                                                                                                                              |          |       | Mercury in Fish Tissue                    |              |
| Butterfield Pond        | MA83003    | Burlington/Lexington                                                                                                                                                         | 2.968    | ACRES | Aquatic Plants (Macrophytes)              |              |
|                         |            |                                                                                                                                                                              |          |       | Turbidity                                 |              |
| Elm Brook               | MA83-05    | Headwaters, Lincoln to confluence with Shawsheen River, Bedford.                                                                                                             | 5.043986 | MILES | (Physical substrate habitat alterations*) |              |
|                         |            |                                                                                                                                                                              |          |       | Fecal Coliform                            | 2587         |
|                         |            |                                                                                                                                                                              |          |       | Turbidity                                 |              |
| Fosters Pond            | MA83005    | Andover/Wilmington                                                                                                                                                           | 109.412  | ACRES | (Non-Native Aquatic Plants*)              |              |
|                         |            |                                                                                                                                                                              |          |       | Mercury in Fish Tissue                    |              |
|                         |            |                                                                                                                                                                              |          |       | Oxygen, Dissolved                         |              |
| Hussey Pond             | MA83009    | Andover                                                                                                                                                                      | 1.383    | ACRES | Excess Algal Growth                       |              |
| Long Pond               | MA83010    | Tewksbury                                                                                                                                                                    | 42.483   | ACRES | Chlorophyll-a                             |              |
|                         |            |                                                                                                                                                                              |          |       | Excess Algal Growth                       |              |
|                         |            |                                                                                                                                                                              |          |       | Oxygen, Dissolved                         |              |
|                         |            |                                                                                                                                                                              |          |       | Phosphorus (Total)                        |              |
|                         |            |                                                                                                                                                                              |          |       | Secchi disk transparency                  |              |
| Pomps Pond              | MA83014    | Andover                                                                                                                                                                      | 24.635   | ACRES | (Non-Native Aquatic Plants*)              |              |
|                         |            |                                                                                                                                                                              |          |       | Mercury in Fish Tissue                    |              |
| Rabbit Pond             | MA83015    | Andover                                                                                                                                                                      | 1.857    | ACRES | Turbidity                                 |              |
| Rogers Brook            | MA83-04    | From outlet of unnamed impoundment upstream of Morton Street, Andover (Prior to 1997 cycle listed as "Headwaters Billerica...") to confluence with Shawsheen River, Andover. | 1.299    | MILES | (Physical substrate habitat alterations*) |              |
|                         |            |                                                                                                                                                                              |          |       | Fecal Coliform                            | 2587         |
|                         |            |                                                                                                                                                                              |          |       | Turbidity                                 |              |
| Shawsheen River         | MA83-01    | Summer Street (historcally listed as Maguire Road) to confluence with Spring Brook, Bedford.                                                                                 | 1.625    | MILES | (Physical substrate habitat alterations*) |              |
|                         |            |                                                                                                                                                                              |          |       | Fecal Coliform                            | 2587         |
|                         |            |                                                                                                                                                                              |          |       | Oxygen, Dissolved                         |              |
|                         |            |                                                                                                                                                                              |          |       | Sedimentation/Siltation                   |              |
| Shawsheen River         | MA83-08    | Headwater, north of Folly Pond and North Great Road, Lincoln to Summer Street, Bedford.                                                                                      | 2.091    | MILES | Fecal Coliform                            | 2587         |
|                         |            |                                                                                                                                                                              |          |       | Physical substrate habitat alterations    |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                   | SIZE    | UNITS        | IMPAIRMENT CAUSE             | EPA TMDL NO. |
|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|------------------------------|--------------|
| Shawsheen River      | MA83-17    | Confluence with Spring Brook, Bedford to the Burlington Water Department's surface water intake, Billerica. (Formerly part of segment MA83-02, changed for 2004 cycle)                        | 5.679   | MILES        | Fecal Coliform               | 2587         |
|                      |            |                                                                                                                                                                                               |         |              | Oxygen, Dissolved            |              |
| Shawsheen River      | MA83-18    | Burlington Water Department's surface water intake, Billerica to the Ballardvale Impoundment dam, Andover. (Formerly part of segment MA83-02, changed for 2004 cycle)                         | 10.093  | MILES        | Fecal Coliform               | 2587         |
|                      |            |                                                                                                                                                                                               |         |              | Mercury in Fish Tissue       |              |
|                      |            |                                                                                                                                                                                               |         |              | Oxygen, Dissolved            |              |
| Shawsheen River      | MA83-19    | Outlet of Ballardvale Impoundment, Andover to the confluence with the Merrimack River, Lawrence. (Formerly part of segment MA83-02 and all of MA83-03, changed for 2004 cycle)                | 8.436   | MILES        | Fecal Coliform               | 2587         |
|                      |            |                                                                                                                                                                                               |         |              | Oxygen, Dissolved            |              |
| Unnamed Tributary    | MA83-15    | Unnamed tributary to Meadow Brook, also known as "Pinnacle Brook" - from small wetland east of Route 93, Andover, to confluence with Meadow Brook, Tewksbury (includes intermittent portion). | 2.1     | MILES        | Chloride                     |              |
|                      |            |                                                                                                                                                                                               |         |              | Fecal Coliform               | 2587         |
| Unnamed Tributary    | MA83-20    | Unnamed intermittent tributary to the Shawsheen River, from Dascomb Road, Andover to confluence with Shawsheen River, Tewksbury.                                                              | 0.9     | MILES        | Chloride                     |              |
| <b>South Coastal</b> |            |                                                                                                                                                                                               |         |              |                              |              |
| Aaron River          | MA94-28    | Outlet Aaron River Reservoir, Cohasset to flow control structure near Beechwood Street, Cohasset.                                                                                             | 1.004   | MILES        | (Fish-Passage Barrier*)      |              |
|                      |            |                                                                                                                                                                                               |         |              | (Non-Native Aquatic Plants*) |              |
|                      |            |                                                                                                                                                                                               |         |              | Excess Algal Growth          |              |
| Billington Sea       | MA94007    | Plymouth                                                                                                                                                                                      | 262.722 | ACRES        | Excess Algal Growth          |              |
|                      |            |                                                                                                                                                                                               |         |              | Turbidity                    |              |
| Bluefish River       | MA94-30    | Saltmarsh north of Harrison Street, Duxbury to mouth at Duxbury Bay, Duxbury.                                                                                                                 | 0.065   | SQUARE MILES | Fecal Coliform               |              |
| Bound Brook          | MA94-18    | Flow control structure near Beechwood Street, Cohasset to outlet Hunters Pond, Scituate.                                                                                                      | 2.227   | MILES        | (Fish-Passage Barrier*)      |              |
|                      |            |                                                                                                                                                                                               |         |              | Turbidity                    |              |
| Cohasset Cove        | MA94-32    | The waters south of a line drawn from the Bassing Beach jetty, Scituate westerly to the opposite shore, Cohasset excluding Baileys Creek and The Gulf.                                        | 0.087   | SQUARE MILES | Fecal Coliform               |              |
| Cohasset Harbor      | MA94-01    | The waters south of a line drawn from the northwestern point of Scituate Neck, Scituate to just north of Quarry Point, Cohasset not including Cohasset Cove, Cohasset/Scituate.               | 0.695   | SQUARE MILES | Fecal Coliform               |              |
| Crossman Pond        | MA94032    | Kingston                                                                                                                                                                                      | 12.706  | ACRES        | Aquatic Plants (Macrophytes) |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                           | SIZE     | UNITS        | IMPAIRMENT CAUSE                 | EPA TMDL NO. |
|--------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------------------------------|--------------|
| Drinkwater River   | MA94-21    | From Whiting Street, Hanover through Forge Pond to the inlet of Factory Pond, Hanover.                                                                                                                | 3.493    | MILES        | Excess Algal Growth              |              |
|                    |            |                                                                                                                                                                                                       |          |              | Fecal Coliform                   |              |
|                    |            |                                                                                                                                                                                                       |          |              | Mercury in Fish Tissue           |              |
|                    |            |                                                                                                                                                                                                       |          |              | Oxygen, Dissolved                |              |
|                    |            |                                                                                                                                                                                                       |          |              | Phosphorus (Total)               |              |
|                    |            |                                                                                                                                                                                                       |          |              | Secchi disk transparency         |              |
| Duxbury Bay        | MA94-15    | The waters north and west of a line from Saquish Head to the tip of Plymouth Beach and from there to High Cliff, Plymouth excluding Back River and Bluefish River, Duxbury and Jones River, Kingston. | 12.694   | SQUARE MILES | Fecal Coliform                   |              |
| Ellisville Harbor  | MA94-34    | Plymouth                                                                                                                                                                                              | 0.012    | SQUARE MILES | Fecal Coliform                   |              |
| Factory Pond       | MA94175    | Hanson/Hanover                                                                                                                                                                                        | 51.395   | ACRES        | Mercury in Fish Tissue           |              |
| Forge Pond         | MA94037    | Hanover                                                                                                                                                                                               | 15.907   | ACRES        | (Debris/Floatables/Trash*)       |              |
|                    |            |                                                                                                                                                                                                       |          |              | (Non-Native Aquatic Plants*)     |              |
|                    |            |                                                                                                                                                                                                       |          |              | Chlorophyll-a                    |              |
|                    |            |                                                                                                                                                                                                       |          |              | Dissolved oxygen saturation      |              |
|                    |            |                                                                                                                                                                                                       |          |              | Excess Algal Growth              |              |
|                    |            |                                                                                                                                                                                                       |          |              | Fecal Coliform                   |              |
|                    |            |                                                                                                                                                                                                       |          |              | Phosphorus (Total)               |              |
|                    |            |                                                                                                                                                                                                       |          |              | Secchi disk transparency         |              |
| Foundry Pond       | MA94038    | Kingston                                                                                                                                                                                              | 7.235    | ACRES        | Turbidity                        |              |
| French Stream      | MA94-03    | From the headwaters on the southeast side of the South Weymouth Naval Air Station, Rockland through Studleys Pond to the confluence with Drinkwater River, Hanover.                                   | 6.124887 | MILES        | Fecal Coliform                   |              |
|                    |            |                                                                                                                                                                                                       |          |              | Fishes Bioassessments            |              |
|                    |            |                                                                                                                                                                                                       |          |              | Oxygen, Dissolved                |              |
|                    |            |                                                                                                                                                                                                       |          |              | Phosphorus (Total)               |              |
|                    |            |                                                                                                                                                                                                       |          |              | Whole Effluent Toxicity (WET)    |              |
| Furnace Pond       | MA94043    | Pembroke                                                                                                                                                                                              | 102.653  | ACRES        | Oxygen, Dissolved                |              |
| Green Harbor       | MA94-11    | From the tidegates at Route 139, Marshfield to the mouth of the harbor at Massachusetts Bay/Cape Cod Bay, Marshfield.                                                                                 | 0.078    | SQUARE MILES | Fecal Coliform                   |              |
| Green Harbor River | MA94-10    | Outlet Black Mountain Pond, Marshfield to the tidegate at Route 139, Marshfield.                                                                                                                      | 5.648    | MILES        | (Fish-Passage Barrier*)          |              |
|                    |            |                                                                                                                                                                                                       |          |              | (Other flow regime alterations*) |              |
|                    |            |                                                                                                                                                                                                       |          |              | Excess Algal Growth              |              |
|                    |            |                                                                                                                                                                                                       |          |              | Turbidity                        |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                          | SIZE   | UNITS        | IMPAIRMENT CAUSE                 | EPA TMDL NO. |
|-------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------------------------------|--------------|
| Herring River     | MA94-07    | Outlet Old Oaken Bucket Pond, Scituate to confluence with North River, Scituate.                                                                                                     | 0.077  | SQUARE MILES | Fecal Coliform                   |              |
| Indian Head River | MA94-04    | Outlet of Factory Pond, Hanover/Hanson to Curtis Crossing Dam (also called Ludhams Ford Dam) west of Elm Street, Hanover/Pembroke.                                                   | 2.914  | MILES        | Mercury in Fish Tissue           |              |
|                   |            |                                                                                                                                                                                      |        |              | Oxygen, Dissolved                |              |
|                   |            |                                                                                                                                                                                      |        |              | Phosphorus (Total)               |              |
| Indian Head River | MA94-22    | From Curtis Crossing Dam (also called Ludhams Ford Dam) west of Elm Street, Hanover/Pembroke to confluence with Herring Brook, (forming headwaters of North River) Hanover/Pembroke. | 0.883  | MILES        | Mercury in Fish Tissue           |              |
| Iron Mine Brook   | MA94-24    | Headwaters north of Route 139, Hanover to the confluence with Indian Head River, Hanover.                                                                                            | 1.393  | MILES        | Fecal Coliform                   |              |
| Jones River       | MA94-12    | Headwaters outlet Silver Lake, Kingston to dam near Wapping Road, Kingston.                                                                                                          | 4.057  | MILES        | (Fish-Passage Barrier*)          |              |
|                   |            |                                                                                                                                                                                      |        |              | (Low flow alterations*)          |              |
|                   |            |                                                                                                                                                                                      |        |              | Aquatic Plants (Macrophytes)     |              |
|                   |            |                                                                                                                                                                                      |        |              | Excess Algal Growth              |              |
|                   |            |                                                                                                                                                                                      |        |              | Oxygen, Dissolved                |              |
|                   |            |                                                                                                                                                                                      |        |              | Turbidity                        |              |
| Jones River       | MA94-13    | From dam near Wapping Road, Kingston to dam at Elm Street, Kingston.                                                                                                                 | 0.93   | MILES        | (Low flow alterations*)          |              |
|                   |            |                                                                                                                                                                                      |        |              | Aquatic Plants (Macrophytes)     |              |
|                   |            |                                                                                                                                                                                      |        |              | Excess Algal Growth              |              |
|                   |            |                                                                                                                                                                                      |        |              | Oxygen, Dissolved                |              |
|                   |            |                                                                                                                                                                                      |        |              | Turbidity                        |              |
| Jones River       | MA94-14    | From dam at Elm Street, Kingston to mouth at Duxbury Bay, Kingston.                                                                                                                  | 0.089  | SQUARE MILES | Fecal Coliform                   |              |
| Lily Pond         | MA94179    | Cohasset                                                                                                                                                                             | 50.503 | ACRES        | (Fish-Passage Barrier*)          |              |
|                   |            |                                                                                                                                                                                      |        |              | (Non-Native Aquatic Plants*)     |              |
|                   |            |                                                                                                                                                                                      |        |              | Secchi disk transparency         |              |
| Musquashcut Pond  | MA94-33    | Scituate (formerly reported as MA94105)                                                                                                                                              | 0.109  | SQUARE MILES | (Other flow regime alterations*) |              |
|                   |            |                                                                                                                                                                                      |        |              | Chlorophyll-a                    |              |
|                   |            |                                                                                                                                                                                      |        |              | Dissolved oxygen saturation      |              |
|                   |            |                                                                                                                                                                                      |        |              | Excess Algal Growth              |              |
|                   |            |                                                                                                                                                                                      |        |              | Fecal Coliform                   |              |
|                   |            |                                                                                                                                                                                      |        |              | Phosphorus (Total)               |              |
| North River       | MA94-05    | Confluence of Indian Head River and Herring Brook, Hanover/Pembroke to Route 3A (Main Street), Marshfield/Scituate.                                                                  | 0.302  | SQUARE MILES | Fecal Coliform                   |              |
|                   |            |                                                                                                                                                                                      |        |              | Mercury in Fish Tissue           |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                                 | SIZE   | UNITS        | IMPAIRMENT CAUSE                              | EPA TMDL NO. |
|-----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------------------------------------------|--------------|
| North River           | MA94-06    | Route 3A (Main Street), Marshfield/Scituate to confluence with South River/Massachusetts Bay, Scituate.                                                                                     | 0.555  | SQUARE MILES | Fecal Coliform                                |              |
| Old Oaken Bucket Pond | MA94113    | Scituate                                                                                                                                                                                    | 8.354  | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                       |            |                                                                                                                                                                                             |        |              | Phosphorus (Total)                            |              |
| Plymouth Harbor       | MA94-16    | The waters south of a line drawn from the tip of Plymouth Beach to High Cliff, Plymouth.                                                                                                    | 2.53   | SQUARE MILES | Fecal Coliform                                |              |
|                       |            |                                                                                                                                                                                             |        |              | Nutrient/Eutrophication Biological Indicators |              |
| Russell Millpond      | MA94132    | Plymouth                                                                                                                                                                                    | 41.776 | ACRES        | (Fish-Passage Barrier*)                       |              |
|                       |            |                                                                                                                                                                                             |        |              | Excess Algal Growth                           |              |
| Scituate Harbor       | MA94-02    | The waters west of a line across the mouth of Scituate Harbor, from the elbow of the jetty southeast off Lighthouse Point to the jetty northeast of the U.S. Coast Guard Station, Scituate. | 0.322  | SQUARE MILES | Fecal Coliform                                |              |
| Second Herring Brook  | MA94-31    | From the Second Herring Brook Pond Dam, Norwell to the confluence with the North River, Norwell.                                                                                            | 0.003  | SQUARE MILES | Fecal Coliform                                |              |
| South River           | MA94-09    | From dam at Main Street, Marshfield to confluence with North River/Massachusetts Bay, Marshfield/Scituate.                                                                                  | 0.625  | SQUARE MILES | Fecal Coliform                                |              |
| Studleys Pond         | MA94151    | Rockland                                                                                                                                                                                    | 25.471 | ACRES        | Fecal Coliform                                |              |
| The Gulf              | MA94-19    | Headwaters, outlet Hunters Pond, Scituate to confluence with Cohasset Cove just north of Border Street, Cohasset.                                                                           | 0.126  | SQUARE MILES | Fecal Coliform                                |              |
| Third Herring Brook   | MA94-27    | Headwaters, outlet of Jacobs Pond, Norwell/Hanover to confluence with North River, Norwell/Hanover.                                                                                         | 5.318  | MILES        | Fecal Coliform                                |              |
| Wampatuck Pond        | MA94168    | Hanson                                                                                                                                                                                      | 62.879 | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                       |            |                                                                                                                                                                                             |        |              | Chlorophyll-a                                 |              |
|                       |            |                                                                                                                                                                                             |        |              | Dissolved oxygen saturation                   |              |
|                       |            |                                                                                                                                                                                             |        |              | Excess Algal Growth                           |              |
|                       |            |                                                                                                                                                                                             |        |              | Phosphorus (Total)                            |              |
|                       |            |                                                                                                                                                                                             |        |              | Secchi disk transparency                      |              |
| <b>Taunton</b>        |            |                                                                                                                                                                                             |        |              |                                               |              |
| Ames Long Pond        | MA62001    | Stoughton/Easton                                                                                                                                                                            | 87.694 | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                       |            |                                                                                                                                                                                             |        |              | Aquatic Plants (Macrophytes)                  |              |
|                       |            |                                                                                                                                                                                             |        |              | Turbidity                                     |              |
| Big Bearhole Pond     | MA62011    | Taunton                                                                                                                                                                                     | 37.68  | ACRES        | (Non-Native Aquatic Plants*)                  |              |
|                       |            |                                                                                                                                                                                             |        |              | Oxygen, Dissolved                             |              |





## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                          | SIZE    | UNITS | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|-----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------------------------------------------|--------------|
| Cabot Pond            | MA62029    | Mansfield                                                                                                                                            | 8.65    | ACRES | Dioxin (including 2,3,7,8-TCDD)           |              |
|                       |            |                                                                                                                                                      |         |       | Pentachlorophenol (PCP)                   |              |
| Cain Pond             | MA62030    | Taunton                                                                                                                                              | 2.766   | ACRES | Oxygen, Dissolved                         |              |
|                       |            |                                                                                                                                                      |         |       | Turbidity                                 |              |
| Fulton Pond           | MA62075    | Mansfield                                                                                                                                            | 9.328   | ACRES | Dioxin (including 2,3,7,8-TCDD)           |              |
|                       |            |                                                                                                                                                      |         |       | Pentachlorophenol (PCP)                   |              |
| Hobart Pond           | MA62090    | Whitman                                                                                                                                              | 9.05    | ACRES | (Non-Native Aquatic Plants*)              |              |
|                       |            |                                                                                                                                                      |         |       | Turbidity                                 |              |
| Hodges Pond           | MA62091    | (Kingman Pond) Mansfield                                                                                                                             | 6.972   | ACRES | Dioxin (including 2,3,7,8-TCDD)           |              |
|                       |            |                                                                                                                                                      |         |       | Pentachlorophenol (PCP)                   |              |
| Island Grove Pond     | MA62094    | Abington                                                                                                                                             | 30.804  | ACRES | (Non-Native Aquatic Plants*)              |              |
|                       |            |                                                                                                                                                      |         |       | Excess Algal Growth                       |              |
|                       |            |                                                                                                                                                      |         |       | Turbidity                                 |              |
| Lake Sabbatia         | MA62166    | Taunton                                                                                                                                              | 265.419 | ACRES | (Non-Native Aquatic Plants*)              |              |
|                       |            |                                                                                                                                                      |         |       | Oxygen, Dissolved                         |              |
| Matfield River        | MA62-32    | Confluence of Beaver Brook and the Salisbury Plain River, East Bridgewater to the confluence with the Town River and the Taunton River, Bridgewater. | 6.662   | MILES | Aquatic Macroinvertebrate Bioassessments  |              |
|                       |            |                                                                                                                                                      |         |       | Excess Algal Growth                       |              |
|                       |            |                                                                                                                                                      |         |       | Fecal Coliform                            | 40308        |
|                       |            |                                                                                                                                                      |         |       | Oxygen, Dissolved                         |              |
|                       |            |                                                                                                                                                      |         |       | Phosphorus (Total)                        |              |
|                       |            |                                                                                                                                                      |         |       | Taste and Odor                            |              |
| Monponsett Pond       | MA62119    | [West Basin] Halifax/Hanson                                                                                                                          | 282.79  | ACRES | (Non-Native Aquatic Plants*)              |              |
|                       |            |                                                                                                                                                      |         |       | Excess Algal Growth                       |              |
|                       |            |                                                                                                                                                      |         |       | Phosphorus (Total)                        |              |
|                       |            |                                                                                                                                                      |         |       | Secchi disk transparency                  |              |
| Muddy Cove Brook Pond | MA62124    | Dighton                                                                                                                                              | 23.243  | ACRES | Excess Algal Growth                       |              |
|                       |            |                                                                                                                                                      |         |       | Turbidity                                 |              |
| Norton Reservoir      | MA62134    | Norton/Mansfield                                                                                                                                     | 556.491 | ACRES | (Non-Native Aquatic Plants*)              |              |
|                       |            |                                                                                                                                                      |         |       | Dioxin (including 2,3,7,8-TCDD)           |              |
|                       |            |                                                                                                                                                      |         |       | Excess Algal Growth                       |              |
|                       |            |                                                                                                                                                      |         |       | Pentachlorophenol (PCP)                   |              |
|                       |            |                                                                                                                                                      |         |       | Phosphorus (Total)                        |              |
|                       |            |                                                                                                                                                      |         |       | Turbidity                                 |              |
| Robinson Brook        | MA62-14    | Outlet Hersey Pond, Foxborough to confluence with Rumford River, Mansfield.                                                                          | 1.855   | MILES | (Physical substrate habitat alterations*) |              |
|                       |            |                                                                                                                                                      |         |       | Aquatic Macroinvertebrate Bioassessments  |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                           | SIZE   | UNITS        | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|-----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-------------------------------------------|--------------|
| Rumford River         | MA62-39    | Outlet Gavins Pond, Sharon to inlet Norton Reservoir, Mansfield (formerly part of segment MA62-15).                                                                   | 8.01   | MILES        | (Physical substrate habitat alterations*) |              |
|                       |            |                                                                                                                                                                       |        |              | Aquatic Macroinvertebrate Bioassessments  |              |
|                       |            |                                                                                                                                                                       |        |              | Dioxin (including 2,3,7,8-TCDD)           |              |
|                       |            |                                                                                                                                                                       |        |              | Fecal Coliform                            | 40308        |
|                       |            |                                                                                                                                                                       |        |              | Fishes Bioassessments                     |              |
|                       |            |                                                                                                                                                                       |        |              | Pentachlorophenol (PCP)                   |              |
|                       |            |                                                                                                                                                                       |        |              | Sedimentation/Siltation                   |              |
| Salisbury Brook       | MA62-08    | From the outlet of Cross Pond, Brockton to the confluence with Trout Brook forming the Salibury Plain River, Brockton.                                                | 2.542  | MILES        | (Physical substrate habitat alterations*) |              |
|                       |            |                                                                                                                                                                       |        |              | Fecal Coliform                            | 40308        |
|                       |            |                                                                                                                                                                       |        |              | Sedimentation/Siltation                   |              |
| Salisbury Plain River | MA62-05    | From the confluence of Trout and Salisbury brooks, Brockton to the Brockton Advanced Water Reclamation Facility (AWRF) discharge, Brockton.                           | 2.437  | MILES        | (Physical substrate habitat alterations*) |              |
|                       |            |                                                                                                                                                                       |        |              | Fecal Coliform                            | 40308        |
|                       |            |                                                                                                                                                                       |        |              | Oxygen, Dissolved                         |              |
|                       |            |                                                                                                                                                                       |        |              | Sedimentation/Siltation                   |              |
| Salisbury Plain River | MA62-06    | From the Brockton Advanced Water Reclamation Facility (AWRF) discharge, Brockton to the confluence with Beaver Brook forming the Matfield River, East Bridgewater.    | 2.262  | MILES        | (Debris/Floatables/Trash*)                |              |
|                       |            |                                                                                                                                                                       |        |              | Aquatic Macroinvertebrate Bioassessments  |              |
|                       |            |                                                                                                                                                                       |        |              | Excess Algal Growth                       |              |
|                       |            |                                                                                                                                                                       |        |              | Fecal Coliform                            | 40308        |
|                       |            |                                                                                                                                                                       |        |              | Oxygen, Dissolved                         |              |
|                       |            |                                                                                                                                                                       |        |              | Phosphorus (Total)                        |              |
|                       |            |                                                                                                                                                                       |        |              | Taste and Odor                            |              |
|                       |            |                                                                                                                                                                       |        |              | Turbidity                                 |              |
| Sassaquin Pond        | MA62232    | New Bedford (formerly reported as MA95129).                                                                                                                           | 35.757 | ACRES        | Excess Algal Growth                       |              |
|                       |            |                                                                                                                                                                       |        |              | Fecal Coliform                            |              |
|                       |            |                                                                                                                                                                       |        |              | Taste and Odor                            |              |
| Shumatuscasant River  | MA62-33    | From a wetland just west of Vineyard Road, Abington to the confluence with Poor Meadow Brook, Hanson.                                                                 | 8.504  | MILES        | (Physical substrate habitat alterations*) |              |
|                       |            |                                                                                                                                                                       |        |              | Fecal Coliform                            | 40308        |
|                       |            |                                                                                                                                                                       |        |              | Oxygen, Dissolved                         |              |
|                       |            |                                                                                                                                                                       |        |              | Sedimentation/Siltation                   |              |
| Stetson Pond          | MA62182    | Pembroke                                                                                                                                                              | 88.209 | ACRES        | (Non-Native Aquatic Plants*)              |              |
|                       |            |                                                                                                                                                                       |        |              | Oxygen, Dissolved                         |              |
|                       |            |                                                                                                                                                                       |        |              | Phosphorus (Total)                        |              |
| Taunton River         | MA62-03    | Berkley Bridge, Dighton/Berkley to confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley. | 0.924  | SQUARE MILES | Fecal Coliform                            | 40310        |
|                       |            |                                                                                                                                                                       |        |              | Oxygen, Dissolved                         |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                            | SIZE   | UNITS        | IMPAIRMENT CAUSE                          | EPA TMDL NO. |
|-------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-------------------------------------------|--------------|
| Taunton River     | MA62-04    | Confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley to mouth at Braga Bridge, Somerset/Fall River.                                       | 2.654  | SQUARE MILES | Fecal Coliform                            | 40310        |
|                   |            |                                                                                                                                                                                                                        |        |              | Fishes Bioassessments                     |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Oxygen, Dissolved                         |              |
| Trout Brook       | MA62-07    | Source northeast of Argyle Avenue and west of Conrail Line, Avon to the confluence with the Salisbury Brook forming the Salisbury Plain River, Brockton.                                                               | 3.408  | MILES        | Fecal Coliform                            | 40308        |
|                   |            |                                                                                                                                                                                                                        |        |              | Oxygen, Dissolved                         |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Total Suspended Solids (TSS)              |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Turbidity                                 |              |
| Unnamed Tributary | MA62-42    | Headwaters, south off Slab Bridge Road (in Cedar Swamp portion of Freetown-Fall River State Forest), Freetown to confluence with the Cedar Swamp River, Lakeville.                                                     | 4.012  | MILES        | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Fishes Bioassessments                     |              |
| Unnamed Tributary | MA62-48    | Channel from Taunton Municipal Lighting Plant, Taunton to confluence with Taunton River, Taunton.                                                                                                                      | 0.002  | SQUARE MILES | (Other flow regime alterations*)          |              |
|                   |            |                                                                                                                                                                                                                        |        |              | (Physical substrate habitat alterations*) |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Aquatic Macroinvertebrate Bioassessments  |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Fishes Bioassessments                     |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Temperature, water                        |              |
| Wading River      | MA62-47    | Source in wetland north of West Street, Foxborough to Balcolm Street, Mansfield (due to error on 1987 Wrentham quad it appears segment includes part of Cocasset River, Foxborough) (formerly part of segment MA62-17) | 4.158  | MILES        | Fecal Coliform                            | 40307        |
|                   |            |                                                                                                                                                                                                                        |        |              | Oxygen, Dissolved                         |              |
| Watson Pond       | MA62205    | Taunton                                                                                                                                                                                                                | 77.523 | ACRES        | (Non-Native Aquatic Plants*)              |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Excess Algal Growth                       |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Oxygen, Dissolved                         |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Phosphorus (Total)                        |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Secchi disk transparency                  |              |
| Woods Pond        | MA62220    | Middleborough                                                                                                                                                                                                          | 51.081 | ACRES        | (Non-Native Aquatic Plants*)              |              |
|                   |            |                                                                                                                                                                                                                        |        |              | Turbidity                                 |              |
| Ten Mile          |            |                                                                                                                                                                                                                        |        |              |                                           |              |
| Bungay River      | MA52-06    | Headwaters, outlet Greenwood Lake, North Attleborough to confluence with Ten Mile River, Attleboro.                                                                                                                    | 5.083  | MILES        | Fecal Coliform                            |              |
| Cargill Pond      | MA52004    | Plainville                                                                                                                                                                                                             | 1.563  | ACRES        | Turbidity                                 |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                   | SIZE   | UNITS | IMPAIRMENT CAUSE                                           | EPA TMDL NO. |
|---------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|--------|-------|------------------------------------------------------------|--------------|
| Central Pond              | MA52006    | Seekonk, MA/Pawtucket, RI/Providence, RI (size indicates portion in Massachusetts)                                            | 5.816  | ACRES | Aquatic Plants (Macrophytes)                               |              |
|                           |            |                                                                                                                               |        |       | Dissolved oxygen saturation                                |              |
|                           |            |                                                                                                                               |        |       | Excess Algal Growth                                        |              |
|                           |            |                                                                                                                               |        |       | Organic Enrichment (Sewage) Biological Indicators          |              |
|                           |            |                                                                                                                               |        |       | Oxygen, Dissolved                                          |              |
|                           |            |                                                                                                                               |        |       | Phosphorus (Total)                                         |              |
| Falls Pond, North Basin   | MA52013    | North Attleborough                                                                                                            | 54.093 | ACRES | Excess Algal Growth                                        |              |
|                           |            |                                                                                                                               |        |       | Nutrient/Eutrophication Biological Indicators              |              |
|                           |            |                                                                                                                               |        |       | Oxygen, Dissolved                                          |              |
|                           |            |                                                                                                                               |        |       | Phosphorus (Total)                                         |              |
| Fourmile Brook            | MA52-10    | Headwaters, outlet Manchester Pond Reservoir, Attleboro to inlet Orrs Pond, Attleboro.                                        | 0.992  | MILES | Sedimentation/Siltation                                    |              |
| James V. Turner Reservoir | MA52022    | Seekonk, MA/E. Providence, RI (size indicates portion in Massachusetts)                                                       | 28.436 | ACRES | Aquatic Plants (Macrophytes)                               |              |
|                           |            |                                                                                                                               |        |       | Dissolved oxygen saturation                                |              |
|                           |            |                                                                                                                               |        |       | Excess Algal Growth                                        |              |
|                           |            |                                                                                                                               |        |       | Organic Enrichment (Sewage) Biological Indicators          |              |
|                           |            |                                                                                                                               |        |       | Phosphorus (Total)                                         |              |
| Lake Como                 | MA52010    | Attleboro/N. Attleborough                                                                                                     | 4.807  | ACRES | (Non-Native Aquatic Plants*)                               |              |
|                           |            |                                                                                                                               |        |       | Excess Algal Growth                                        |              |
|                           |            |                                                                                                                               |        |       | Turbidity                                                  |              |
| Plain Street Pond         | MA52032    | Mansfield                                                                                                                     | 12.231 | ACRES | (Non-Native Aquatic Plants*)                               |              |
|                           |            |                                                                                                                               |        |       | Excess Algal Growth                                        |              |
| Sevenmile River           | MA52-08    | Outlet Orrs Pond, Attleboro to confluence with Ten Mile River, Pawtucket, Rhode Island.                                       | 3.402  | MILES | Fecal Coliform                                             |              |
| Speedway Brook            | MA52-05    | (locally known as Thacher Brook) Headwaters, Attleboro to inlet of Dodgeville Pond (a Ten Mile River impoundment), Attleboro. | 0.9    | MILES | (Alteration in stream-side or littoral vegetative covers*) |              |
|                           |            |                                                                                                                               |        |       | (Habitat Assessment (Streams)*)                            |              |
|                           |            |                                                                                                                               |        |       | Aquatic Macroinvertebrate Bioassessments                   |              |
|                           |            |                                                                                                                               |        |       | Fecal Coliform                                             |              |
|                           |            |                                                                                                                               |        |       | Other                                                      |              |
|                           |            |                                                                                                                               |        |       | Oxygen, Dissolved                                          |              |
|                           |            |                                                                                                                               |        |       | Sedimentation/Siltation                                    |              |
| Ten Mile River            | MA52-01    | Headwaters, outlet Cargill Pond, Plainville to West Bacon Street, Plainville (through Fuller Pond formerly segment MA52016).  | 1.538  | MILES | Other                                                      |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                  | SIZE     | UNITS | IMPAIRMENT CAUSE                                  | EPA TMDL NO. |
|--------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------|--------------|
| Ten Mile River     | MA52-02    | West Bacon Street, Plainville to North Attleborough WWTP discharge, Attleboro (excluding 0.9 miles thru Falls Pond segment MA52013, but including thru Wetherells Pond formerly segment MA52041).                                            | 4.087    | MILES | Excess Algal Growth                               |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Fecal Coliform                                    |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Other                                             |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Phosphorus (Total)                                |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Turbidity                                         |              |
| Ten Mile River     | MA52-03    | North Attleborough WWTP discharge, Attleboro to the MA/RI border near Central Avenue, Seekonk, MA/Pawtucket, RI (thru former segments; Farmers Pond MA52015, Mechanics Pond MA52027, Dodgeville Pond MA52011, and Hebronville Pond MA52020). | 9.084    | MILES | Aquatic Plants (Macrophytes)                      |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Chlordane                                         |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Dissolved oxygen saturation                       |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Excess Algal Growth                               |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Fecal Coliform                                    |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Organic Enrichment (Sewage) Biological Indicators |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Other                                             |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Oxygen, Dissolved                                 |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Phosphorus (Total)                                |              |
| Westfield          |            |                                                                                                                                                                                                                                              |          |       |                                                   |              |
| Ashley Brook       | MA32-37    | Headwaters (perennial portion), south of Hillside Road, Westfield to confluence with Jacks Brook, Westfield.                                                                                                                                 | 0.5      | MILES | Escherichia coli                                  |              |
| Congamond Lakes    | MA32021    | [Middle Basin] Southwick                                                                                                                                                                                                                     | 278.774  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)  |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Oxygen, Dissolved                                 |              |
| Congamond Lakes    | MA32022    | [North Basin] Southwick                                                                                                                                                                                                                      | 46.052   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*)  |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Oxygen, Dissolved                                 |              |
| Jacks Brook        | MA32-39    | Headwaters, east of Fowler Road, Westfield to inlet of Crane Pond/Little River, Westfield.                                                                                                                                                   | 2.4      | MILES | Escherichia coli                                  |              |
| Little River       | MA32-08    | Horton's Bridge, Westfield to confluence with Westfield River, Westfield.                                                                                                                                                                    | 5.386436 | MILES | Escherichia coli                                  |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Fecal Coliform                                    |              |
| Little River       | MA32-36    | From the dam northwest of Gorge Road, Russell to Horton's Bridge, Westfield. (formerly part of segment MA32-26)                                                                                                                              | 5.809    | MILES | Combined Biota/Habitat Bioassessments             |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Escherichia coli                                  |              |
| Moose Meadow Brook | MA32-23    | Source in wetland west of Bungy Mountain, Montgomery to confluence with Westfield River, Westfield.                                                                                                                                          | 8.175    | MILES | Fecal Coliform                                    |              |
|                    |            |                                                                                                                                                                                                                                              |          |       | Turbidity                                         |              |



## Massachusetts Category 5 Waters "Waters requiring a TMDL"

| NAME             | SEGMENT ID | DESCRIPTION                                                                                                      | SIZE     | UNITS | IMPAIRMENT CAUSE                                 | EPA TMDL NO. |
|------------------|------------|------------------------------------------------------------------------------------------------------------------|----------|-------|--------------------------------------------------|--------------|
| Pequot Pond      | MA32055    | Westfield/Southampton                                                                                            | 155.002  | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                  |            |                                                                                                                  |          |       | (Non-Native Aquatic Plants*)                     |              |
|                  |            |                                                                                                                  |          |       | Oxygen, Dissolved                                |              |
|                  |            |                                                                                                                  |          |       | Phosphorus (Total)                               |              |
| Potash Brook     | MA32-22    | Source at outlet of Dunlap Pond in Blandford to confluence with Westfield River at village of Woronoco, Russell. | 5.163059 | MILES | Escherichia coli                                 |              |
| Powdermill Brook | MA32-09    | Source, east of Pitcher Road, Montgomery to confluence with Westfield River, Westfield.                          | 9.542397 | MILES | Excess Algal Growth                              |              |
|                  |            |                                                                                                                  |          |       | Sedimentation/Siltation                          |              |
|                  |            |                                                                                                                  |          |       | Turbidity                                        |              |
| Westfield River  | MA32-05    | Confluence with Middle Branch Westfield River, Huntington to Route 20 bridge, Westfield.                         | 17.837   | MILES | Aquatic Macroinvertebrate Bioassessments         |              |
|                  |            |                                                                                                                  |          |       | Excess Algal Growth                              |              |
|                  |            |                                                                                                                  |          |       | Taste and Odor                                   |              |
|                  |            |                                                                                                                  |          |       | Turbidity                                        |              |
| Windsor Pond     | MA32076    | Windsor                                                                                                          | 46.598   | ACRES | (Eurasian Water Milfoil, Myriophyllum spicatum*) |              |
|                  |            |                                                                                                                  |          |       | Mercury in Fish Tissue                           | 42410        |
|                  |            |                                                                                                                  |          |       | Oxygen, Dissolved                                |              |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                 | SIZE | UNITS | CATEGORY |
|------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| <b>Blackstone</b>      |            |                                                                                                                                                                                                                             |      |       |          |
| Aldrich Pond           | MA51002    | Sutton                                                                                                                                                                                                                      | 2    | ACRES | 5        |
| Arcade Pond            | MA51003    | Northbridge                                                                                                                                                                                                                 | 20   | ACRES | 5        |
| Arnolds Brook          | MA51-32    | Perennial portion only, from outlet of unnamed pond at Whitehall Way, Bellingham to confluence with Peters River, Bellingham.                                                                                               | 1.7  | MILES | 5        |
| Beaver Brook           | MA51-07    | Outlet of small unnamed impoundment north of Beth Israel School and Flag Street School, Worcester to confluence with Middle River, Worcester. (Includes underground portion)                                                | 2.9  | MILES | 5        |
| Bell Pond              | MA51009    | Worcester                                                                                                                                                                                                                   | 10   | ACRES | 3        |
| Blackstone River       | MA51-03    | Confluence of Middle River and Mill Brook (downstream of the railroad spur bridge west of Tobias Boland Boulevard), Worcester to Fisherville Dam, Grafton. (through a portion of Fisherville Pond formerly segment MA51048) | 10.4 | MILES | 5        |
| Blackstone River       | MA51-04    | Fisherville Dam, Grafton to outlet Rice City Pond, Uxbridge. (through Riverdale Impoundment formerly segment MA51136 and Rice City Pond formerly segment MA51131)                                                           | 8.8  | MILES | 5        |
| Blackstone River       | MA51-05    | Outlet Rice City Pond, Uxbridge to the old Water Quality Monitor (at the Conrail Railroad trestle due north of Collins Drive), Millville.                                                                                   | 9.1  | MILES | 5        |
| Blackstone River       | MA51-06    | From the Water Quality Monitor, Millville to the Rhode Island border west of Route 122 (Main St.), Blackstone, MA/(Harris Avenue) North Smithfield RI.                                                                      | 3.8  | MILES | 5        |
| Brierly Pond           | MA51010    | Millbury                                                                                                                                                                                                                    | 18   | ACRES | 4A       |
| Brooklawn Parkway Pond | MA51195    | Shrewsbury                                                                                                                                                                                                                  | 2    | ACRES | 3        |
| Burncoat Park Pond     | MA51012    | Worcester                                                                                                                                                                                                                   | 6    | ACRES | 5        |
| Carpenter Reservoir    | MA51015    | Northbridge                                                                                                                                                                                                                 | 78   | ACRES | 3        |
| Cedar Swamp Brook      | MA51-33    | Headwaters, outlet Cedar Swamp, Uxbridge to confluence with Chockalog River, Douglas.                                                                                                                                       | 0.8  | MILES | 5        |
| Center Brook           | MA51-34    | Outlet Mill Pond, Upton to confluence with West River, Upton.                                                                                                                                                               | 2.8  | MILES | 2        |
| Chase Pond             | MA51017    | Douglas                                                                                                                                                                                                                     | 11   | ACRES | 3        |
| Chockalog Pond         | MA51018    | Uxbridge                                                                                                                                                                                                                    | 11   | ACRES | 3        |
| Clark Reservoir        | MA51022    | Sutton                                                                                                                                                                                                                      | 29   | ACRES | 3        |
| Coal Mine Brook        | MA51-27    | Perennial portion, from unnamed road approximately 0.2 miles upstream from Plantation Street, Worcester to inlet of Lake Quinsigamond, Worcester.                                                                           | 0.4  | MILES | 5        |
| Coes Reservoir         | MA51024    | Worcester                                                                                                                                                                                                                   | 87   | ACRES | 4C       |
| Cook Allen Brook       | MA51-28    | Headwaters, outlet Reservoir No. 5, Sutton to inlet Whitins Pond, Northbridge. (excluding Reservoir No. 4, segment MA51128)                                                                                                 | 2    | MILES | 5        |
| Crane Pond             | MA51030    | Blackstone                                                                                                                                                                                                                  | 1    | ACRES | 3        |
| Crystal Lake           | MA51031    | Douglas                                                                                                                                                                                                                     | 96   | ACRES | 3        |
| Dark Brook             | MA51-16    | Outlet Eddy Pond, Auburn to confluence with Kettle Brook, Auburn. (through Auburn Pond formerly segment MA51004)                                                                                                            | 2.8  | MILES | 5        |
| Dark Brook Pond        | MA51034    | Sutton                                                                                                                                                                                                                      | 18   | ACRES | 3        |
| Dark Brook Reservoir   | MA51035    | [South Basin] Auburn                                                                                                                                                                                                        | 58   | ACRES | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                       | SIZE | UNITS | CATEGORY |
|------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Dark Brook Reservoir         | MA51036    | [North Basin] Auburn                                                                                                                                                                                                                              | 171  | ACRES | 4C       |
| Doctors Pond                 | MA51194    | Uxbridge                                                                                                                                                                                                                                          | 1    | ACRES | 3        |
| Dorothy Pond                 | MA51039    | Millbury                                                                                                                                                                                                                                          | 133  | ACRES | 4A       |
| Dudley Pond                  | MA51041    | Douglas                                                                                                                                                                                                                                           | 8    | ACRES | 3        |
| Eddy Pond                    | MA51043    | Auburn                                                                                                                                                                                                                                            | 99   | ACRES | 4A       |
| Emerson Brook                | MA51-29    | Headwaters, outlet Lee Pond, Uxbridge to confluence with the Blackstone River, Uxbridge.                                                                                                                                                          | 1.9  | MILES | 2        |
| Fish Pond                    | MA51047    | Northbridge                                                                                                                                                                                                                                       | 8    | ACRES | 5        |
| Flint Pond                   | MA51050    | [North Basin] Shrewsbury                                                                                                                                                                                                                          | 92   | ACRES | 4A       |
| Flint Pond                   | MA51188    | [South Basin] Shrewsbury/Grafton/Worcester                                                                                                                                                                                                        | 173  | ACRES | 4A       |
| Girard Pond                  | MA51053    | Sutton                                                                                                                                                                                                                                            | 2    | ACRES | 4C       |
| Green Hill Pond              | MA51056    | Worcester                                                                                                                                                                                                                                         | 29   | ACRES | 4A       |
| Greene Brook                 | MA51-30    | Headwaters, north of Linden Street, Douglas to confluence with Chockalog River, Douglas.                                                                                                                                                          | 1.6  | MILES | 2        |
| Hales Pond                   | MA51057    | Wrentham                                                                                                                                                                                                                                          | 4    | ACRES | 3        |
| Hathaway Pond                | MA51059    | Millbury/Sutton                                                                                                                                                                                                                                   | 8    | ACRES | 3        |
| Hayes Pond                   | MA51060    | Grafton                                                                                                                                                                                                                                           | 5    | ACRES | 5        |
| Holden Reservoir 1           | MA51063    | Holden                                                                                                                                                                                                                                            | 124  | ACRES | 3        |
| Holden Reservoir 2           | MA51064    | Holden                                                                                                                                                                                                                                            | 52   | ACRES | 3        |
| Houghton Pond                | MA51067    | Uxbridge                                                                                                                                                                                                                                          | 2    | ACRES | 3        |
| Howe Pond                    | MA51069    | Millbury                                                                                                                                                                                                                                          | 4    | ACRES | 3        |
| Howe Reservoirs              | MA51070    | [East Basin] Millbury                                                                                                                                                                                                                             | 2    | ACRES | 4C       |
| Howe Reservoirs              | MA51071    | [West Basin] Millbury                                                                                                                                                                                                                             | 7    | ACRES | 4A       |
| Hunt Pond                    | MA51072    | Douglas                                                                                                                                                                                                                                           | 2    | ACRES | 3        |
| Indian Lake                  | MA51073    | Worcester                                                                                                                                                                                                                                         | 186  | ACRES | 4A       |
| Ironstone Reservoir          | MA51074    | Uxbridge                                                                                                                                                                                                                                          | 28   | ACRES | 4C       |
| Jenks Reservoir              | MA51075    | Bellingham                                                                                                                                                                                                                                        | 26   | ACRES | 4C       |
| Joels Pond                   | MA51076    | Uxbridge                                                                                                                                                                                                                                          | 11   | ACRES | 3        |
| Joes Rock Pond               | MA51077    | Wrentham                                                                                                                                                                                                                                          | 12   | ACRES | 3        |
| Jordan Pond                  | MA51078    | Shrewsbury                                                                                                                                                                                                                                        | 18   | ACRES | 4A       |
| Kettle Brook                 | MA51-01    | Outlet Kettle Brook Reservoir #1 to the inlet of Leesville Pond, Auburn (excluding the approximately 0.4 miles through Waite Pond segment MA51170) (through former segments: City Pond MA51021, Smiths Pond MA51156, and Stoneville Pond MA51160) | 7    | MILES | 5        |
| Kettle Brook                 | MA51-19    | Outlet Kettle Brook Reservoir #4, Paxton, to inlet of Kettle Brook Reservoir #1, Leicester. (excluding Kettle Brook Reservoir #3 segment MA51081 and Kettle Brook Reservoir #2 segment MA51080)                                                   | 1.9  | MILES | 2        |
| Kettle Brook Reservoir No. 1 | MA51079    | Leicester                                                                                                                                                                                                                                         | 11   | ACRES | 3        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                  | SIZE | UNITS | CATEGORY |
|------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Kettle Brook Reservoir No. 2 | MA51080    | Leicester                                                                                                                                                                                                                                    | 29   | ACRES | 3        |
| Kettle Brook Reservoir No. 3 | MA51081    | Paxton/Leicester                                                                                                                                                                                                                             | 36   | ACRES | 3        |
| Kettle Brook Reservoir No. 4 | MA51082    | Paxton                                                                                                                                                                                                                                       | 113  | ACRES | 3        |
| Lake Hiawatha                | MA51062    | Bellingham/Blackstone                                                                                                                                                                                                                        | 58   | ACRES | 3        |
| Lake Quinsigamond            | MA51125    | Shrewsbury/Worcester                                                                                                                                                                                                                         | 471  | ACRES | 4A       |
| Lake Ripple                  | MA51135    | Grafton                                                                                                                                                                                                                                      | 47   | ACRES | 5        |
| Laurel Brook                 | MA51-23    | Headwaters, north of Yew Street, Douglas to confluence with Scadden Brook near the outlet of Sawmill Pond, Uxbridge (through Bazely Pond formerly segment MA51008).                                                                          | 3.3  | MILES | 2        |
| Leesville Pond               | MA51087    | Auburn/Worcester                                                                                                                                                                                                                             | 34   | ACRES | 4A       |
| Lynde Brook Reservoir        | MA51090    | Leicester                                                                                                                                                                                                                                    | 130  | ACRES | 3        |
| Manchaug Pond                | MA51091    | Douglas/Sutton                                                                                                                                                                                                                               | 365  | ACRES | 5        |
| Marble Pond                  | MA51093    | Sutton                                                                                                                                                                                                                                       | 8    | ACRES | 5        |
| Martin Street Pond           | MA51095    | Douglas                                                                                                                                                                                                                                      | 3    | ACRES | 3        |
| Merrill Pond No. 3           | MA51098    | Sutton                                                                                                                                                                                                                                       | 13   | ACRES | 3        |
| Merrill Pond No. 4           | MA51099    | Sutton                                                                                                                                                                                                                                       | 20   | ACRES | 3        |
| Middle River                 | MA51-02    | Outlet Coes Pond, Worcester to confluence with the unnamed tributary locally known as "Mill Brook" (downstream of the railroad spur bridge west of Tobias Boland Boulevard), Worcester.                                                      | 3.4  | MILES | 5        |
| Mill Pond                    | MA51104    | Upton                                                                                                                                                                                                                                        | 10   | ACRES | 4C       |
| Mill Pond                    | MA51105    | Shrewsbury                                                                                                                                                                                                                                   | 12   | ACRES | 4A       |
| Mill River                   | MA51-35    | Outlet North Pond, Milford/Upton to Mendon/Blackstone corporate boundary (through former segments Fiske Millpond MA51049, Mill Pond MA51102, Hopedale Pond MA51065 and Spindleville Pond MA51158) (formerly part of segment MA51-10)         | 11.8 | MILES | 5        |
| Mill River                   | MA51-36    | From Mendon/Blackstone corporate boundary to MA/RI border in Blackstone, MA (through former segment Harris Pond MA51058) (formerly part of segment MA51-10)                                                                                  | 4.4  | MILES | 5        |
| Miscoe Brook                 | MA51-21    | Headwaters, south of Route 90, Grafton to inlet Silver Lake, Grafton (through Cider Millpond formerly segment MA51019).                                                                                                                      | 1.9  | MILES | 2        |
| Miscoe Brook                 | MA51-37    | Perennial portion from the Mendon/Upton/Northbridge corporate boundaries to the confluence with Taft Pond Brook, Northbridge/Upton                                                                                                           | 0.7  | MILES | 2        |
| Miscoe Lake                  | MA51106    | Wrentham (size indicates portion in Massachusetts)                                                                                                                                                                                           | 5    | ACRES | 4C       |
| Mumford River                | MA51-13    | Headwaters, outlet Tuckers Pond, Sutton to Douglas WWTP discharge, Douglas.                                                                                                                                                                  | 4.3  | MILES | 2        |
| Mumford River                | MA51-14    | Douglas WWTP discharge, Douglas to confluence with Blackstone River, Uxbridge. (through former segments: Gilboa Pond MA51052, Lackey Pond MA51083, Meadow Pond MA51193, Linwood Pond MA51088, Whitin Pond MA51178, and Caprons Pond MA51014) | 9.6  | MILES | 5        |
| Newton Pond                  | MA51110    | Shrewsbury/Boylston                                                                                                                                                                                                                          | 54   | ACRES | 4A       |
| Nipmuck Pond                 | MA51111    | Mendon                                                                                                                                                                                                                                       | 85   | ACRES | 3        |
| North Pond                   | MA51112    | Hopkinton/Milford                                                                                                                                                                                                                            | 213  | ACRES | 4C       |
| Number 1 Pond                | MA51114    | Sutton                                                                                                                                                                                                                                       | 9    | ACRES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                               | SIZE | UNITS | CATEGORY |
|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Number 2 Pond        | MA51115    | Sutton/Oxford                                                                                                                                                                                                                             | 9    | ACRES | 3        |
| Peabody Pond         | MA51119    | Uxbridge                                                                                                                                                                                                                                  | 6    | ACRES | 3        |
| Peters River         | MA51-18    | Outlet Silver Lake, Bellingham to Rhode Island state line, Bellingham.                                                                                                                                                                    | 4    | MILES | 5        |
| Pondville Pond       | MA51120    | Auburn/Millbury                                                                                                                                                                                                                           | 36   | ACRES | 4A       |
| Poor Farm Brook      | MA51-17    | Headwaters, West Boylston to the inlet of Shirley Street Pond, Shrewsbury (through City Farm Pond formerly segment MA51020).                                                                                                              | 3.6  | MILES | 5        |
| Pout Pond            | MA51121    | Uxbridge                                                                                                                                                                                                                                  | 9    | ACRES | 3        |
| Pout Pond            | MA51122    | Boylston                                                                                                                                                                                                                                  | 14   | ACRES | 3        |
| Pratt Pond           | MA51123    | Upton                                                                                                                                                                                                                                     | 39   | ACRES | 4C       |
| Pratts Pond          | MA51124    | Grafton                                                                                                                                                                                                                                   | 4    | ACRES | 3        |
| Quinsigamond River   | MA51-09    | Outlet Flint Pond, Grafton to confluence with Blackstone River, Grafton (excluding Lake Ripple segment MA51135) (segment includes all of Hovey Pond formerly segment MA51068 and a portion of Fisherville Pond formerly segment MA51048). | 5.2  | MILES | 4C       |
| Ramshorn Pond        | MA51126    | Sutton/Millbury                                                                                                                                                                                                                           | 131  | ACRES | 3        |
| Reservoir No. 4      | MA51128    | Sutton                                                                                                                                                                                                                                    | 10   | ACRES | 3        |
| Riley Pond           | MA51134    | Northbridge                                                                                                                                                                                                                               | 7    | ACRES | 5        |
| Riverlin Street Pond | MA51137    | Millbury                                                                                                                                                                                                                                  | 2    | ACRES | 4C       |
| Rivulet Pond         | MA51138    | Uxbridge                                                                                                                                                                                                                                  | 4    | ACRES | 4C       |
| Scadden Brook        | MA51-24    | Headwaters, north of Davis Street, Douglas to inlet Lee Pond, Uxbridge (through Lee Reservoir formerly segment MA51086).                                                                                                                  | 2.4  | MILES | 2        |
| Schoolhouse Pond     | MA51144    | Sutton                                                                                                                                                                                                                                    | 7    | ACRES | 3        |
| Sewall Pond          | MA51191    | Boylston                                                                                                                                                                                                                                  | 13   | ACRES | 3        |
| Shirley Street Pond  | MA51196    | Shrewsbury                                                                                                                                                                                                                                | 19   | ACRES | 4A       |
| Sibley Reservoir     | MA51148    | Sutton                                                                                                                                                                                                                                    | 25   | ACRES | 4C       |
| Silver Hill Pond     | MA51149    | Milford                                                                                                                                                                                                                                   | 6    | ACRES | 3        |
| Silver Lake          | MA51150    | Bellingham                                                                                                                                                                                                                                | 42   | ACRES | 4C       |
| Silver Lake          | MA51151    | Grafton                                                                                                                                                                                                                                   | 25   | ACRES | 4C       |
| Singletary Brook     | MA51-31    | Headwaters, outlet Singletary Pond, Millbury to confluence with the Blackstone River, Millbury (excluding the approximately 0.4 miles through Brierly Pond segment MA51010).                                                              | 1.5  | MILES | 5        |
| Singletary Pond      | MA51152    | Sutton/Millbury                                                                                                                                                                                                                           | 342  | ACRES | 4C       |
| Slaughterhouse Pond  | MA51153    | Millbury/Sutton                                                                                                                                                                                                                           | 10   | ACRES | 3        |
| Southwick Pond       | MA51157    | Leicester/Paxton                                                                                                                                                                                                                          | 42   | ACRES | 4A       |
| Spring Brook         | MA51-25    | Headwaters, north of Lovell Street, Mendon to confluence with Muddy Brook, Mendon.                                                                                                                                                        | 1.9  | MILES | 2        |
| Stevens Pond         | MA51159    | Sutton                                                                                                                                                                                                                                    | 85   | ACRES | 4C       |
| Stoneville Reservoir | MA51161    | Auburn                                                                                                                                                                                                                                    | 60   | ACRES | 3        |
| Stump Pond           | MA51162    | Oxford                                                                                                                                                                                                                                    | 20   | ACRES | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                      | SIZE  | UNITS        | CATEGORY |
|-------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|
| Sutton Falls                  | MA51163    | Sutton                                                                                                                                                                                                                                                                                                           | 10    | ACRES        | 5        |
| Swans Pond                    | MA51164    | Sutton/Northbridge                                                                                                                                                                                                                                                                                               | 32    | ACRES        | 4C       |
| Taft Pond                     | MA51165    | Upton                                                                                                                                                                                                                                                                                                            | 11    | ACRES        | 4C       |
| Taft Pond Brook               | MA51-26    | Headwaters, outlet Taft Pond, Upton to confluence with West River, Northbridge.                                                                                                                                                                                                                                  | 1.2   | MILES        | 2        |
| Tatnuck Brook                 | MA51-15    | Outlet Holden Reservoir #2, Holden to inlet of Coes Reservoir, Worcester (through Cook Pond formerly segment MA51027 and Patch Reservoir formerly segment MA51118).                                                                                                                                              | 3.3   | MILES        | 5        |
| Tinker Hill Pond              | MA51167    | Auburn                                                                                                                                                                                                                                                                                                           | 37    | ACRES        | 4C       |
| Tinkerville Brook             | MA51-22    | Perennial portion only, north of Walnut Street, Douglas to state line Douglas, MA/Burrillville, RI.                                                                                                                                                                                                              | 2.3   | MILES        | 2        |
| Town Farm Pond                | MA51168    | Sutton                                                                                                                                                                                                                                                                                                           | 6     | ACRES        | 3        |
| Tuckers Pond                  | MA51169    | Sutton                                                                                                                                                                                                                                                                                                           | 26    | ACRES        | 4C       |
| Unnamed Tributary             | MA51-08    | (Also known as "Mill Brook") Outlet Indian Lake, Worcester to confluence with Middle River (downstream of the railroad spur bridge west of Tobias Boland Boulevard), Worcester (through Salisbury Pond formerly segment MA51142).                                                                                | 5.6   | MILES        | 5        |
| Unnamed Tributary             | MA51-20    | From the outlet of Leesville Pond, Worcester to the confluence with the Middle River, Worcester (through Curtis ponds formerly reported as segments MA51033 and MA51032).                                                                                                                                        | 1.4   | MILES        | 5        |
| Unnamed Tributary             | MA51-38    | Unnamed tributary to Dark Brook, from perennial portion near the Route 90, 290EB, 395SB, 12NB interchange, Auburn to the confluence with Dark Brook, south of Water Street, Auburn (sections culverted).                                                                                                         | 0.8   | MILES        | 5        |
| Waite Pond                    | MA51170    | Leicester                                                                                                                                                                                                                                                                                                        | 48    | ACRES        | 4A       |
| Wallum Lake                   | MA51172    | Douglas (size indicates portion in Massachusetts)                                                                                                                                                                                                                                                                | 138   | ACRES        | 3        |
| Welsh Pond                    | MA51176    | Sutton                                                                                                                                                                                                                                                                                                           | 8     | ACRES        | 5        |
| West River                    | MA51-11    | Outlet Silver Lake, Grafton to Upton WWTP discharge, Upton (through Lake Wildwood formerly segment MA51181).                                                                                                                                                                                                     | 3.8   | MILES        | 5        |
| West River                    | MA51-12    | Upton WWTP discharge, Upton to confluence with Blackstone River, Uxbridge (through former segments Harrington Pool MA51197, and West River Pond MA51177).                                                                                                                                                        | 9.3   | MILES        | 5        |
| Whitin Reservoir              | MA51179    | Douglas                                                                                                                                                                                                                                                                                                          | 342   | ACRES        | 3        |
| Whitins Pond                  | MA51180    | Northbridge/Sutton                                                                                                                                                                                                                                                                                               | 162   | ACRES        | 4C       |
| Windle Pond                   | MA51184    | Grafton/Shrewsbury                                                                                                                                                                                                                                                                                               | 4     | ACRES        | 3        |
| Woodbury Pond                 | MA51185    | Sutton                                                                                                                                                                                                                                                                                                           | 5     | ACRES        | 5        |
| Woolshop Pond                 | MA51186    | Millbury                                                                                                                                                                                                                                                                                                         | 5     | ACRES        | 5        |
| <b>Boston Harbor (Proper)</b> |            |                                                                                                                                                                                                                                                                                                                  |       |              |          |
| Boston Harbor                 | MA70-01    | The area defined by a line from the southerly tip of Deer Island to Boston Lighthouse on Little Brewster Island, then south to Point Allerton; across Hull and West guts; across the mouths of Quincy and Dorchester bays, Boston Inner Harbor and Winthrop Bay (including President Roads and Nantasket Roads). | 18.59 | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SIZE | UNITS        | CATEGORY |
|------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| Boston Inner Harbor          | MA70-02    | From the Mystic and Chelsea rivers, Chelsea/Boston, to the line between Governors Island and Fort Independence, Boston (East Boston) (including Fort Point, Reserved and Little Mystic channels).                                                                                                                                                                                                                                                            | 2.56 | SQUARE MILES | 5        |
| Dorchester Bay               | MA70-03    | From the mouth of the Neponset River, Boston/Quincy to the line between Head Island and the north side of Thompson Island and the line between the south point of Thompson Island, Boston and Chapel Rocks, Quincy.                                                                                                                                                                                                                                          | 3.46 | SQUARE MILES | 5        |
| Hingham Bay                  | MA70-06    | The area north of the mouth of the Weymouth Fore River extending on the west along the line between Nut Island and the south point of West Head, and on the east side along a line from Prince Head just east of Pig Rock to the mouth of the Weymouth Fore River (midway between Lower Neck and Manot Beach), Quincy.                                                                                                                                       | 0.96 | SQUARE MILES | 5        |
| Hingham Bay                  | MA70-07    | The area defined between Peddocks Island and Windmill Point; from Windmill Point southeast to Bumkin Island; from Bumkin Island southeast to Sunset Point; from Sunset Point across the mouth of the Weir River to Worlds End; from Worlds End across the mouth of Hingham Harbor to Crow Point; from Beach Lane, Hingham across the mouth of the Weymouth Back River to Lower Neck; and from Lower Neck midway across the mouth of the Weymouth Fore River. | 4.8  | SQUARE MILES | 5        |
| Hull Bay                     | MA70-09    | The area defined east of a line from Windmill Point, Hull to Bumkin Island, Hingham and from Bumkin Island to Sunset Point, Hull.                                                                                                                                                                                                                                                                                                                            | 2.48 | SQUARE MILES | 5        |
| Pleasure Bay                 | MA70-11    | A semi-enclosed bay, the flow restricted through two channels between Castle and Head islands, Boston                                                                                                                                                                                                                                                                                                                                                        | 0.22 | SQUARE MILES | 5        |
| Quincy Bay                   | MA70-04    | From Bromfield Street near the Wollaston Yacht Club, northeast to N42 17.3 W71 00.1, then southeast to Houghs Neck near Sea Street and Peterson Road (formerly referred to as the "Willows"), Quincy.                                                                                                                                                                                                                                                        | 1.52 | SQUARE MILES | 5        |
| Quincy Bay                   | MA70-05    | Quincy Bay, north of the class SA waters (segment MA70-04), Quincy to the line between Moon Head and Nut Island, Quincy.                                                                                                                                                                                                                                                                                                                                     | 4.41 | SQUARE MILES | 5        |
| Winthrop Bay                 | MA70-10    | From the tidal flats at Coleridge Street, Boston (East Boston) to a line between Logan International Airport and Point Shirley, Boston/Winthrop.                                                                                                                                                                                                                                                                                                             | 1.65 | SQUARE MILES | 5        |
| <b>Boston Harbor: Mystic</b> |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              |          |
| Aberjona River               | MA71-01    | Source just south of Birch Meadow Drive, Reading to inlet Upper Mystic Lake at Mystic Valley Parkway, Winchester (portion culverted underground). (through former pond segments Judkins Pond MA71021 and Mill Pond MA71031).                                                                                                                                                                                                                                 | 9.1  | MILES        | 5        |
| Alewife Brook                | MA71-04    | Outlet of Little Pond, Belmont to confluence with Mystic River, Arlington/Somerville (portion in Belmont and Cambridge identified as Little River with name changing to Alewife Brook at Arlington corporate boundary).                                                                                                                                                                                                                                      | 2.3  | MILES        | 5        |
| Belle Isle Inlet             | MA71-14    | From tidgate at Bennington Street, Boston/Revere to confluence with Winthrop Bay, Boston/Winthrop.                                                                                                                                                                                                                                                                                                                                                           | 0.12 | SQUARE MILES | 5        |
| Bellevue Pond                | MA71004    | Medford                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2    | ACRES        | 3        |
| Blacks Nook                  | MA71005    | Cambridge                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2    | ACRES        | 5        |
| Chelsea River                | MA71-06    | From confluence with Mill Creek, Chelsea/Revere to confluence with Boston Inner Harbor, Chelsea/East Boston/Charlestown.                                                                                                                                                                                                                                                                                                                                     | 0.38 | SQUARE MILES | 5        |
| Clay Pit Pond                | MA71011    | Belmont                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12   | ACRES        | 5        |
| Cummings Brook               | MA71-10    | Headwaters east of Wright Street, Woburn to confluence with Fowle Brook, Woburn.                                                                                                                                                                                                                                                                                                                                                                             | 2.1  | MILES        | 3        |
| Ell Pond                     | MA71014    | Melrose                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 23   | ACRES        | 5        |
| Hills Pond                   | MA71018    | Arlington                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2    | ACRES        | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                             | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                              | SIZE  | UNITS        | CATEGORY |
|----------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|
| Horn Pond                        | MA71019    | Woburn                                                                                                                                                                                                                                                                   | 108   | ACRES        | 5        |
| Lower Mystic Lake                | MA71027    | Arlington/Medford                                                                                                                                                                                                                                                        | 93    | ACRES        | 5        |
| Malden River                     | MA71-05    | Headwaters south of Exchange Street, Malden to confluence with Mystic River, Everett/Medford.                                                                                                                                                                            | 2.3   | MILES        | 5        |
| Mill Brook                       | MA71-07    | Headwaters south of Massachusetts Avenue, Lexington to inlet of Lower Mystic Lake, Arlington (portions culverted underground).                                                                                                                                           | 3.9   | MILES        | 5        |
| Mill Creek                       | MA71-08    | From Route 1, Chelsea/Revere to confluence with Chelsea River, Chelsea/Revere.                                                                                                                                                                                           | 0.02  | SQUARE MILES | 5        |
| Mystic River                     | MA71-02    | Outlet Lower Mystic Lake, Arlington/Medford to Amelia Earhart Dam, Somerville/Everett.                                                                                                                                                                                   | 4.9   | MILES        | 5        |
| Mystic River                     | MA71-03    | Amelia Earhart Dam, Somerville/Everett to confluence with Boston Inner Harbor, Chelsea/Charlestown (Includes Island End River).                                                                                                                                          | 0.49  | SQUARE MILES | 5        |
| Sales Creek                      | MA71-12    | Headwaters near Route 145, Revere to tidegate/confluence with Belle Isle Inlet, Boston/Revere.                                                                                                                                                                           | 0.008 | SQUARE MILES | 3        |
| Shaker Glen Brook                | MA71-11    | Headwaters, west of Dix Road Extention, Woburn to confluence with Fowle Brook, Woburn (portion culverted underground).                                                                                                                                                   | 1.5   | MILES        | 3        |
| Spot Pond                        | MA71039    | Stoneham/Medford                                                                                                                                                                                                                                                         | 290   | ACRES        | 3        |
| Spy Pond                         | MA71040    | Arlington                                                                                                                                                                                                                                                                | 98    | ACRES        | 5        |
| Unnamed Tributary                | MA71-13    | Unnamed tributary locally known as 'Meetinghouse Brook', from emergence south of Route 16/east of Winthrop Street, Medford to confluence with the Mystic River, Medford. (brook not apparent on 1985 Boston North USGS quad - 2005 orthophotos used to delineate stream) | 0.1   | MILES        | 5        |
| Upper Mystic Lake                | MA71043    | Winchester/Arlington/Medford                                                                                                                                                                                                                                             | 176   | ACRES        | 5        |
| Wedge Pond                       | MA71045    | Winchester                                                                                                                                                                                                                                                               | 23    | ACRES        | 5        |
| Winn Brook                       | MA71-09    | Headwaters near Juniper Road and the Belmont Hill School, Belmont to confluence with Little Pond, Belmont (portions culverted underground).                                                                                                                              | 1.4   | MILES        | 5        |
| Winter Pond                      | MA71047    | Winchester                                                                                                                                                                                                                                                               | 18    | ACRES        | 5        |
| <b>Boston Harbor: Neponset</b>   |            |                                                                                                                                                                                                                                                                          |       |              |          |
| Beaver Brook                     | MA73-19    | Headwaters near Moose Hill Street, Sharon through Sawmill Pond to confluence with Massapoag Brook, Sharon.                                                                                                                                                               | 3.5   | MILES        | 5        |
| Beaver Meadow Brook              | MA73-20    | Outlet of Glenn Echo Pond, Stoughton, to the inlet of Bolivar Pond, Canton.                                                                                                                                                                                              | 3.3   | MILES        | 5        |
| Billings Street/East Street Pond | MA73065    | Sharon                                                                                                                                                                                                                                                                   | 2     | ACRES        | 4C       |
| Blue Hills Reservoir             | MA73004    | Quincy                                                                                                                                                                                                                                                                   | 12    | ACRES        | 3        |
| Bolivar Pond                     | MA73005    | Canton                                                                                                                                                                                                                                                                   | 20    | ACRES        | 5        |
| Bubbling Brook                   | MA73-11    | Headwaters (perennial portion), near North Street, Walpole to inlet Pettee Pond, Walpole/Westwood border.                                                                                                                                                                | 0.9   | MILES        | 3        |
| Buckmaster Pond                  | MA73006    | Westwood                                                                                                                                                                                                                                                                 | 34    | ACRES        | 3        |
| Clark Pond                       | MA73008    | Walpole                                                                                                                                                                                                                                                                  | 7     | ACRES        | 4C       |
| Cobbs Pond                       | MA73009    | Walpole                                                                                                                                                                                                                                                                  | 14    | ACRES        | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                   | SIZE | UNITS        | CATEGORY |
|---------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| East Branch         | MA73-05    | East Branch Neponset River - Outlet of Forge Pond, Canton through East Branch Pond to confluence with Neponset River, Canton. (locally known as Canton River) | 2.6  | MILES        | 5        |
| Ellis Pond          | MA73018    | Norwood                                                                                                                                                       | 17   | ACRES        | 4C       |
| Farrington Pond     | MA73040    | Stoughton                                                                                                                                                     | 3    | ACRES        | 4C       |
| Flynns Pond         | MA73019    | Medfield                                                                                                                                                      | 7    | ACRES        | 3        |
| Forge Pond          | MA73020    | Canton                                                                                                                                                        | 19   | ACRES        | 5        |
| Ganawatte Farm Pond | MA73037    | Walpole/Sharon/Foxborough                                                                                                                                     | 29   | ACRES        | 5        |
| Germany Brook       | MA73-15    | Headwaters, east of Winter Street, Norwood to inlet of Ellis Pond, Norwood.                                                                                   | 2    | MILES        | 5        |
| Glen Echo Pond      | MA73022    | Canton/Stoughton                                                                                                                                              | 16   | ACRES        | 4C       |
| Gulliver Creek      | MA73-30    | From confluence Unquity Brook, Milton to confluence Neponset River, Milton. (Note: Unquity Brook culverted, confluence not visible on quad)                   | 0.02 | SQUARE MILES | 5        |
| Hammer Shop Pond    | MA73023    | Sharon                                                                                                                                                        | 2    | ACRES        | 3        |
| Hawes Brook         | MA73-16    | Outlet of Ellis Pond, Norwood to confluence with Neponset River, Norwood.                                                                                     | 1.1  | MILES        | 5        |
| Jewells Pond        | MA73026    | Medfield                                                                                                                                                      | 4    | ACRES        | 4C       |
| Lymans Pond         | MA73021    | Westwood                                                                                                                                                      | 25   | ACRES        | 3        |
| Massapoag Brook     | MA73-21    | Outlet Hammer Shop Pond, Sharon, through Manns Pond (formerly segment MA73028), Trowel Shop Pond, and Shephard Pond to the inlet of Forge Pond, Canton.       | 4.2  | MILES        | 5        |
| Massapoag Lake      | MA73030    | Sharon                                                                                                                                                        | 389  | ACRES        | 4A       |
| Memorial Pond       | MA73012    | Walpole                                                                                                                                                       | 8    | ACRES        | 5        |
| Mill Brook          | MA73-08    | From headwaters (perennial portion) north of Hartford Street, Medfield to inlet of Jewells Pond, Medfield.                                                    | 2.3  | MILES        | 5        |
| Mill Brook          | MA73-12    | Source northeast of Ledgewood Drive, Dover to inlet of Pettee Pond, Westwood.                                                                                 | 2.9  | MILES        | 2        |
| Mine Brook          | MA73-09    | Outlet of Jewells Pond, Medfield, to the inlet of Turner Pond, Walpole.                                                                                       | 3    | MILES        | 5        |
| Mother Brook        | MA73-28    | Headwaters at the Charles River Diversion control structure, Dedham to confluence with Neponset River, Boston. [Reported as MA72-13 until May 3, 2000]        | 3.7  | MILES        | 5        |
| Neponset Reservoir  | MA73034    | Foxborough                                                                                                                                                    | 312  | ACRES        | 5        |
| Neponset River      | MA73-01    | Outlet of Neponset Reservoir, Foxborough to confluence with East Branch, Canton. (through former pond segments Crackrock Pond MA73010 and Bird Pond MA73002)  | 13.2 | MILES        | 5        |
| Neponset River      | MA73-02    | Confluence with East Branch, Canton to confluence with Mother Brook, Boston.                                                                                  | 7.7  | MILES        | 5        |
| Neponset River      | MA73-03    | Confluence with Mother Brook, Boston to Milton Lower Falls Dam, Milton/Boston.                                                                                | 3.6  | MILES        | 5        |
| Neponset River      | MA73-04    | Milton Lower Falls Dam, Milton/Boston to mouth at Dorchester Bay, Boston/Quincy.                                                                              | 0.67 | SQUARE MILES | 5        |
| Pecunit Brook       | MA73-25    | Headwaters east of Carey Circle and west of Pecunit Street, Canton to the confluence with Neponset River, Canton.                                             | 1.8  | MILES        | 4A       |
| Pequid Brook        | MA73-22    | Headwaters east of York Street, Canton to the inlet of Forge Pond, Canton (excluding the approximately 1.3 miles through Reservoir Pond, segment MA73048).    | 2.8  | MILES        | 5        |
| Pettee Pond         | MA73036    | Walpole/Westwood                                                                                                                                              | 10   | ACRES        | 4A       |
| Pine Tree Brook     | MA73-29    | Outlet of Hillside Pond, Milton through Pope's Pond (formerly segment MA73044) to confluence Neponset River, Milton.                                          | 4.6  | MILES        | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                                      | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                           | SIZE | UNITS | CATEGORY |
|-------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Pinewood Pond                             | MA73039    | Stoughton                                                                                                                                                                                                                                             | 25   | ACRES | 4C       |
| Plantingfield Brook                       | MA73-23    | Headwaters east of Thatcher Street, Westwood, to the confluence with Purgatory Brook, Norwood.                                                                                                                                                        | 1.8  | MILES | 4C       |
| Ponkapoag Pond                            | MA73043    | Canton/Randolph                                                                                                                                                                                                                                       | 214  | ACRES | 4A       |
| Ponkapog Brook                            | MA73-27    | Outlet of Ponkapoag Pond, Canton to confluence with Neponset River, Canton.                                                                                                                                                                           | 3.1  | MILES | 4A       |
| Purgatory Brook                           | MA73-24    | Headwaters east of Farm Lane, Westwood to confluence with Neponset River, Norwood.                                                                                                                                                                    | 5.1  | MILES | 4A       |
| Reservoir Pond                            | MA73048    | Canton                                                                                                                                                                                                                                                | 251  | ACRES | 4A       |
| Russell Pond                              | MA73003    | Milton                                                                                                                                                                                                                                                | 9    | ACRES | 5        |
| School Meadow Brook                       | MA73-06    | Outlet of Ganawatte Farm Pond, Walpole to confluence with Neponset River, Walpole.                                                                                                                                                                    | 1.9  | MILES | 4A       |
| Sprague Pond                              | MA73053    | Boston/Dedham                                                                                                                                                                                                                                         | 7    | ACRES | 3        |
| Steep Hill Brook                          | MA73-18    | Outlet of Pinewood Pond, Stoughton, to the inlet of Bolivar Pond, Canton.                                                                                                                                                                             | 0.9  | MILES | 3        |
| Town Pond                                 | MA73056    | Stoughton                                                                                                                                                                                                                                             | 8    | ACRES | 4C       |
| Traphole Brook                            | MA73-17    | Headwaters west of Everett Street, Sharon, to confluence with Neponset River, Sharon.                                                                                                                                                                 | 3.9  | MILES | 4A       |
| Tubwreck Brook                            | MA73-07    | Headwaters - small unnamed pond southeast of Powissett Street, Dover to confluence with Mill Brook just southwest of Dover/Medfield border.                                                                                                           | 1.6  | MILES | 3        |
| Turner Pond                               | MA73058    | Walpole                                                                                                                                                                                                                                               | 18   | ACRES | 4C       |
| Turners Pond                              | MA73059    | Milton                                                                                                                                                                                                                                                | 10   | ACRES | 5        |
| Unnamed Tributary                         | MA73-10    | Outlet Turner Pond, Walpole to confluence with Neponset River, Walpole.                                                                                                                                                                               | 0.4  | MILES | 3        |
| Unnamed Tributary                         | MA73-14    | Outlet Willet Pond, Walpole/Norwood, to inlet Ellis Pond, Norwood.                                                                                                                                                                                    | 0.4  | MILES | 3        |
| Unnamed Tributary                         | MA73-31    | Outlet of Massapoag Lake, Sharon to inlet of Hammer Shop Pond, Sharon.                                                                                                                                                                                | 0.3  | MILES | 4A       |
| Unnamed Tributary                         | MA73-32    | From the outlet of Town Pond, Stoughton to the confluence with Steep Hill Brook, Stoughton.                                                                                                                                                           | 1    | MILES | 5        |
| Unnamed Tributary                         | MA73-33    | Locally known as "Meadow Brook" - From where the underground/culverted stream emerges east of Pleasant Street, Norwood to confluence with Neponset River, Norwood.                                                                                    | 0.6  | MILES | 5        |
| Unnamed Tributary                         | MA73-34    | Outlet Clark Pond, Walpole to confluence with Neponset River, Walpole (locally considered part of Spring Brook) (excluding the approximately 0.2 miles through Diamond Pond and the approximately 0.2 miles through Memorial Pond segment MA73012)    | 0.8  | MILES | 2        |
| Unquity Brook                             | MA73-26    | Isolated (urban): Headwaters (perennial portion) near Randolph Avenue, Milton to confluence with Gulliver Creek, Milton (Note: Confluence not visible on quad, brook culverted underground east of Otis Street/west of Governor Belcher Lane, Milton) | 1.5  | MILES | 5        |
| Willet Pond                               | MA73062    | Walpole/Westwood/Norwood (includes unnamed tributary formerly reported as segment MA73-13)                                                                                                                                                            | 205  | ACRES | 4A       |
| Woods Pond                                | MA73055    | Stoughton                                                                                                                                                                                                                                             | 14   | ACRES | 4C       |
| <b>Boston Harbor: Weymouth &amp; Weir</b> |            |                                                                                                                                                                                                                                                       |      |       |          |
| Accord Brook                              | MA74-16    | Headwaters, outlet Accord Pond, Hingham to water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham.                                                                                                                    | 3.2  | MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                  | SIZE | UNITS        | CATEGORY |
|----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| Accord Brook         | MA74-17    | From water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham to inlet Triphammer Pond, Hingham.                                                                                                                                                                                                               | 1.8  | MILES        | 4C       |
| Accord Pond          | MA74030    | Hingham/Norwell/Rockland (formerly reported as MA94002)                                                                                                                                                                                                                                                                                      | 103  | ACRES        | 3        |
| Cochato River        | MA74-06    | Outlet Lake Holbrook, Holbrook to confluence with Farm and Monatiquot rivers, Braintree (through former pond segment Ice House Pond MA74028). (SARIS note: the upper portion of this segment is comprised of three surface waters: unnamed tributary from the outlet of Lake Holbrook, portion of Mary Lee Brook, portion of Glovers Brook). | 4.1  | MILES        | 5        |
| Crooked Meadow River | MA74-01    | Outlet Cushing Pond, Hingham to confluence with Weir River, Hingham.                                                                                                                                                                                                                                                                         | 1    | MILES        | 5        |
| Farm River           | MA74-07    | From Randolph/Braintree border (where name changes from Blue Hill River), to confluence with Cochato River (forming headwaters of Monatiquot River), Braintree.                                                                                                                                                                              | 3.1  | MILES        | 3        |
| Furnace Brook        | MA74-10    | From headwaters north of Blue Hills Reservoir, Quincy to confluence with Blacks Creek, Quincy (portions culverted underground).                                                                                                                                                                                                              | 4.2  | MILES        | 5        |
| Hingham Harbor       | MA74-18    | Hingham Harbor inside a line from Crows Point to Worlds End, Hingham (formerly reported as MA70-08).                                                                                                                                                                                                                                         | 1.12 | SQUARE MILES | 5        |
| Hoosicwhisick Pond   | MA74015    | Milton                                                                                                                                                                                                                                                                                                                                       | 23   | ACRES        | 3        |
| Lake Holbrook        | MA74013    | Holbrook                                                                                                                                                                                                                                                                                                                                     | 31   | ACRES        | 5        |
| Mill River           | MA74-04    | Headwaters, west of Route 18 and south of Randolph Street, Weymouth to inlet Whitmans Pond, Weymouth (portions culverted underground).                                                                                                                                                                                                       | 3.4  | MILES        | 5        |
| Monatiquot River     | MA74-08    | Headwaters at confluence of Cochato and Farm rivers, Braintree to confluence with Weymouth Fore River at Commercial Street, Braintree.                                                                                                                                                                                                       | 4.4  | MILES        | 5        |
| Old Quincy Reservoir | MA74017    | Braintree                                                                                                                                                                                                                                                                                                                                    | 27   | ACRES        | 3        |
| Old Swamp River      | MA74-03    | Headwaters just west of Pleasant Street and north of Liberty Street, Rockland to inlet Whitmans Pond, Weymouth.                                                                                                                                                                                                                              | 5.2  | MILES        | 5        |
| Sunset Lake          | MA74020    | Braintree                                                                                                                                                                                                                                                                                                                                    | 58   | ACRES        | 4C       |
| Sylvan Lake          | MA74021    | Holbrook                                                                                                                                                                                                                                                                                                                                     | 6    | ACRES        | 5        |
| Town Brook           | MA74-09    | Outlet Old Quincy Reservoir, Braintree to confluence with Town River Bay north of Route 3A, Quincy (includes "The Canal"/Town River) (portions culverted underground).                                                                                                                                                                       | 3.5  | MILES        | 5        |
| Town River Bay       | MA74-15    | From the headwaters at the Route 3A bridge, Quincy to the mouth at Weymouth Fore River between Shipyard and Germantown Points, Quincy.                                                                                                                                                                                                       | 0.46 | SQUARE MILES | 5        |
| Trout Brook          | MA74-12    | Headwaters southwest of South Street, Holbrook to inlet Lake Holbrook, Holbrook.                                                                                                                                                                                                                                                             | 1.2  | MILES        | 3        |
| Weir River           | MA74-02    | Headwaters at confluence of Crooked Meadow River and Fulling Mill Brook, Hingham to Foundry Pond outlet, Hingham (through former pond segment Foundry Pond MA74011).                                                                                                                                                                         | 2.7  | MILES        | 5        |
| Weir River           | MA74-11    | From Foundry Pond outlet, Hingham to mouth at Worlds End, Hingham and Nantasket Road near Beech Avenue, Hull (including unnamed tributary from outlet Straits Pond, Hingham/Hull).                                                                                                                                                           | 0.83 | SQUARE MILES | 5        |
| Weymouth Back River  | MA74-05    | Outlet Elias Pond, Weymouth to the base of the fish ladder north of Commercial Street, Weymouth.                                                                                                                                                                                                                                             | 0.4  | MILES        | 5        |
| Weymouth Back River  | MA74-13    | From the base of the fish ladder north of Commercial Street, Weymouth to mouth between Lower Neck, Weymouth (to the west) and Wompatuck Road, Hingham.                                                                                                                                                                                       | 0.86 | SQUARE MILES | 5        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                      | SIZE     | UNITS        | CATEGORY |
|-------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Weymouth Fore River     | MA74-14    | Commercial Street, Braintree to mouth (eastern point at Lower Neck, Weymouth and western point at Wall Street on Houghs Neck, Quincy).                                                                                                                                           | 2.29     | SQUARE MILES | 5        |
| Whitmans Pond           | MA74025    | Weymouth                                                                                                                                                                                                                                                                         | 147      | ACRES        | 5        |
| <b>Buzzards Bay</b>     |            |                                                                                                                                                                                                                                                                                  |          |              |          |
| "Inner" Sippican Harbor | MA95-70    | The waters landward of a line from Allen Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island to the point of land south of Nyes Wharf, Marion excluding Hammett Cove (formerly reported as a portion of segment MA95-08). | 0.57     | SQUARE MILES | 5        |
| Abner Pond              | MA95001    | Plymouth                                                                                                                                                                                                                                                                         | 8.853    | ACRES        | 3        |
| Acushnet River          | MA95-31    | Outlet New Bedford Reservoir, Acushnet to Hamlin Street culvert, Acushnet.                                                                                                                                                                                                       | 3.071    | MILES        | 5        |
| Acushnet River          | MA95-32    | Hamlin Street culvert, Acushnet to culvert at Main Street, Acushnet.                                                                                                                                                                                                             | 1.117    | MILES        | 5        |
| Acushnet River          | MA95-33    | Outlet Main Street culvert, Acushnet to Coggeshall Street bridge, New Bedford/Fairhaven.                                                                                                                                                                                         | 0.312    | SQUARE MILES | 5        |
| Agawam River            | MA95-28    | Outlet Mill Pond, Wareham to Wareham WWTP, Wareham.                                                                                                                                                                                                                              | 0.609    | MILES        | 3        |
| Agawam River            | MA95-29    | Wareham WWTP, Wareham to confluence with Wankinco River at Route 6 bridge, Wareham.                                                                                                                                                                                              | 0.165    | SQUARE MILES | 5        |
| Apponagansett Bay       | MA95-39    | From the mouth of Buttonwood Brook, Dartmouth to a line drawn from Ricketsons Point, Dartmouth to Samoset Street near North Avenue, Dartmouth.                                                                                                                                   | 1.067    | SQUARE MILES | 5        |
| Aucoot Cove             | MA95-09    | From the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion to the mouth at Buzzards Bay demarcated by a line drawn between Converse Point, Marion and Joes Point, Mattapoisett.              | 0.461    | SQUARE MILES | 2        |
| Aucoot Cove             | MA95-71    | From the confluence with Aucoot Creek, Marion to the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion (formerly part of segment 95-09).                                                     | 0.029    | SQUARE MILES | 5        |
| Aucoot Creek            | MA95-72    | Estuarine portion east of Holly Pond Road, Marion to confluence with Aucoot Cove, Marion.                                                                                                                                                                                        | 0.016    | SQUARE MILES | 5        |
| Back River              | MA95-47    | Outlet of small unnamed pond downstream from Mill Pond, Bourne to confluence with Phinneys Harbor (excluding Eel Pond), Bourne.                                                                                                                                                  | 0.083903 | SQUARE MILES | 4A       |
| Barrett Pond            | MA95004    | Carver                                                                                                                                                                                                                                                                           | 11.303   | ACRES        | 2        |
| Bates Pond              | MA95007    | Carver                                                                                                                                                                                                                                                                           | 19.045   | ACRES        | 3        |
| Beaverdam Creek         | MA95-53    | Outlet from cranberry bog southeast of Route 6, Wareham to confluence with Wewantic River, Wareham.                                                                                                                                                                              | 0.037735 | SQUARE MILES | 5        |
| Big Rocky Pond          | MA95119    | (Rocky Pond) Plymouth                                                                                                                                                                                                                                                            | 18.111   | ACRES        | 3        |
| Big Sandy Pond          | MA95011    | Plymouth                                                                                                                                                                                                                                                                         | 133.21   | ACRES        | 3        |
| Blackmore Reservoir     | MA95015    | Wareham                                                                                                                                                                                                                                                                          | 42.821   | ACRES        | 3        |
| Bread and Cheese Brook  | MA95-58    | Headwaters north of Old Bedford Road, Westport to confluence with East Branch Westport River, Westport.                                                                                                                                                                          | 4.945    | MILES        | 4A       |
| Broad Marsh River       | MA95-49    | Headwaters in salt marsh south of Marion Road and Bourne Terrace, Wareham to confluence with the Wareham River, Wareham.                                                                                                                                                         | 0.16223  | SQUARE MILES | 4A       |
| Butler Cove             | MA95-77    | just south of Buttermilk Bay, Wareham                                                                                                                                                                                                                                            | 0.05     | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                               | SIZE     | UNITS        | CATEGORY |
|----------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Buttermilk Bay             | MA95-01    | Bourne/Wareham                                                                                                                                                                                                                                            | 0.666    | SQUARE MILES | 5        |
| Buttonwood Brook           | MA95-13    | Headwaters, at Oakdale Street, New Bedford to mouth at Apponagansett Bay, Dartmouth.                                                                                                                                                                      | 3.783    | MILES        | 4A       |
| Buttonwood Park Pond       | MA95020    | New Bedford                                                                                                                                                                                                                                               | 11.543   | ACRES        | 3        |
| Buzzards Bay               | MA95-62    | Open water area encompassed within a line drawn from Wilber Point, Fairhaven to Clarks Point, New Bedford to Ricketson Point, Dartmouth to vicinity of Samoset Street, Dartmouth down to Round Hill Point, Dartmouth and back to Wilber Point, Fairhaven. | 8.02     | SQUARE MILES | 5        |
| Cape Cod Canal             | MA95-14    | Waterway between Buzzards Bay and Cape Cod Bay, Bourne/Sandwich                                                                                                                                                                                           | 1.134    | SQUARE MILES | 4A       |
| Cedar Dell Lake            | MA95021    | Dartmouth                                                                                                                                                                                                                                                 | 22.894   | ACRES        | 3        |
| Cedar Island Creek         | MA95-52    | Headwaters near the intersection of Parker Drive and Camardo Drive, Wareham to the mouth at Marks Cove, Wareham.                                                                                                                                          | 0.010713 | SQUARE MILES | 4A       |
| Cedar Lake                 | MA95-96344 | Falmouth (formerly reported as segment MA96344)                                                                                                                                                                                                           | 20       | ACRES        | 3        |
| Charge Pond                | MA95025    | Plymouth                                                                                                                                                                                                                                                  | 16.431   | ACRES        | 2        |
| Clarks Cove                | MA95-38    | The semi-enclosed waterbody landward of a line drawn between Clarks Point, New Bedford and Ricketsons Point, Dartmouth.                                                                                                                                   | 1.9      | SQUARE MILES | 5        |
| College Pond               | MA95030    | Plymouth                                                                                                                                                                                                                                                  | 46.758   | ACRES        | 2        |
| Copicut Reservoir          | MA95175    | Dartmouth/Fall River                                                                                                                                                                                                                                      | 596      | ACRES        | 5        |
| Copicut River              | MA95-43    | Outlet of Copicut Reservoir, Fall River to the inlet of Cornell Pond, Dartmouth.                                                                                                                                                                          | 1.348    | MILES        | 5        |
| Cornell Pond               | MA95031    | Dartmouth                                                                                                                                                                                                                                                 | 12.366   | ACRES        | 5        |
| Crane Brook Bog Pond       | MA95033    | Carver                                                                                                                                                                                                                                                    | 37.303   | ACRES        | 5        |
| Crooked River              | MA95-51    | Outlet of cranberry bog east of Indian Neck Road, Wareham to the confluence with the Wareham River, Wareham.                                                                                                                                              | 0.043267 | SQUARE MILES | 4A       |
| Curlew Pond                | MA95034    | Plymouth                                                                                                                                                                                                                                                  | 42.591   | ACRES        | 2        |
| Deer Pond                  | MA95036    | Plymouth                                                                                                                                                                                                                                                  | 8.697    | ACRES        | 3        |
| Dicks Pond                 | MA95038    | Wareham                                                                                                                                                                                                                                                   | 41.848   | ACRES        | 3        |
| Dunham Pond                | MA95044    | Carver                                                                                                                                                                                                                                                    | 42.796   | ACRES        | 3        |
| East Branch Westport River | MA95-40    | Outlet Noquochoke Lake, Dartmouth to Old County Road bridge, Westport.                                                                                                                                                                                    | 2.862    | MILES        | 4A       |
| East Branch Westport River | MA95-41    | Old County Road bridge, Westport to the mouth at Westport Harbor, Westport (excluding Horseneck Channel).                                                                                                                                                 | 2.648    | SQUARE MILES | 5        |
| East Head Pond             | MA95177    | Carver/Plymouth                                                                                                                                                                                                                                           | 91.504   | ACRES        | 3        |
| Eel Pond                   | MA95-48    | Salt water pond that discharges to the Back River, Bourne.                                                                                                                                                                                                | 0.032    | SQUARE MILES | 4A       |
| Eel Pond                   | MA95-61    | Coastal pond at the head of Mattapoissett Harbor, Mattapoissett.                                                                                                                                                                                          | 0.04     | SQUARE MILES | 5        |
| Ezekiel Pond               | MA95051    | Plymouth                                                                                                                                                                                                                                                  | 35.611   | ACRES        | 3        |
| Fawn Pond                  | MA95053    | Plymouth                                                                                                                                                                                                                                                  | 43.743   | ACRES        | 3        |
| Fearing Pond               | MA95054    | Plymouth                                                                                                                                                                                                                                                  | 22.509   | ACRES        | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                | SIZE     | UNITS        | CATEGORY |
|--------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Federal Pond             | MA95055    | Carver/Plymouth                                                                                                                                                                                                                                                                                            | 125.041  | ACRES        | 4C       |
| Fiddlers Cove            | MA95-79    | cove south off Megansett Harbor, Falmouth                                                                                                                                                                                                                                                                  | 0.01     | SQUARE MILES | 5        |
| Five Mile Pond           | MA95056    | Plymouth                                                                                                                                                                                                                                                                                                   | 21.786   | ACRES        | 3        |
| Flax Pond                | MA95-96087 | Bourne (formerly reported as segment MA96087)                                                                                                                                                                                                                                                              | 20       | ACRES        | 3        |
| Fresh Meadow Pond        | MA95174    | Carver/Plymouth                                                                                                                                                                                                                                                                                            | 59.381   | ACRES        | 4C       |
| Gallows Pond             | MA95059    | Plymouth                                                                                                                                                                                                                                                                                                   | 49.086   | ACRES        | 3        |
| Glen Charlie Pond        | MA95061    | Wareham                                                                                                                                                                                                                                                                                                    | 156.611  | ACRES        | 2        |
| Great Sippewisset Creek  | MA95-23    | From the outlet of Beach Pond in Great Sippewisset Marsh, Falmouth to the mouth at Buzzards Bay, Falmouth (including the unnamed tributary from the outlet of Fresh Pond and Quahog Pond).                                                                                                                 | 0.030751 | SQUARE MILES | 4A       |
| Halfway Pond             | MA95178    | (On 9 October 1997, PALIS ID was changed from 94057 to 95178; therefor, this pond historically reported in South Coastal "94") Plymouth                                                                                                                                                                    | 214.592  | ACRES        | 3        |
| Hammett Cove             | MA95-56    | Borders Sippican Harbor (along a line from the southwestern most point of Little Neck to the end of the seawall on the opposite point), Marion.                                                                                                                                                            | 0.073    | SQUARE MILES | 5        |
| Harbor Head              | MA95-46    | The semi-enclosed body of water south of the confluence with West Falmouth Harbor, south of Chappaquoit Road, Falmouth.                                                                                                                                                                                    | 0.022    | SQUARE MILES | 4A       |
| Herring Brook            | MA95-21    | Headwaters northeast of Dale Drive and west of Route 28A, Falmouth to the mouth at Buzzards Bay, Falmouth                                                                                                                                                                                                  | 0.012263 | SQUARE MILES | 5        |
| Hiller Cove              | MA95-10    | The water landward of a line drawn between Joes Point, Mattapoisset and the second boat dock northeast of Hiller Cove Lane, Mattapoisset                                                                                                                                                                   | 0.039    | SQUARE MILES | 4A       |
| Horseshoe Pond           | MA95075    | Wareham                                                                                                                                                                                                                                                                                                    | 59.147   | ACRES        | 3        |
| Kings Pond               | MA95078    | Plymouth                                                                                                                                                                                                                                                                                                   | 22.235   | ACRES        | 3        |
| Leonards Pond            | MA95080    | Rochester                                                                                                                                                                                                                                                                                                  | 49.397   | ACRES        | 3        |
| Little Bay               | MA95-64    | From the confluence with the Nasketucket River, Fairhaven south to the confluence with Nasketucket Bay at a line from the southernmost tip of Mirey Neck, Fairhaven (~latitude 41.625702, ~longitude 70.854045) to a point of land near Shore Drive (~latitude 41.621994, ~longitude 70.855415), Fairhaven | 0.361    | SQUARE MILES | 4A       |
| Little Buttermilk Bay    | MA95-76    | off of Buttermilk Bay, Bourne                                                                                                                                                                                                                                                                              | 0.16     | SQUARE MILES | 5        |
| Little Long Pond         | MA95088    | Plymouth                                                                                                                                                                                                                                                                                                   | 47.692   | ACRES        | 3        |
| Little Long Pond         | MA95089    | Wareham/Plymouth                                                                                                                                                                                                                                                                                           | 12.411   | ACRES        | 3        |
| Little River             | MA95-66    | Dartmouth                                                                                                                                                                                                                                                                                                  | 0.18     | SQUARE MILES | 5        |
| Little Rocky Pond        | MA95091    | Plymouth                                                                                                                                                                                                                                                                                                   | 9.453    | ACRES        | 3        |
| Little Sandy Pond        | MA95092    | Plymouth                                                                                                                                                                                                                                                                                                   | 28.91    | ACRES        | 3        |
| Little Sippewisset Marsh | MA95-24    | From headwater north of Sippewisset Road and west of Maker Lane, Falmouth to the mouth at Buzzards Bay southwest of end of Saconnesset Road, Falmouth                                                                                                                                                      | 0.021    | SQUARE MILES | 4A       |
| Little West Pond         | MA95093    | Plymouth                                                                                                                                                                                                                                                                                                   | 24.546   | ACRES        | 3        |
| Long Duck Pond           | MA95095    | Plymouth                                                                                                                                                                                                                                                                                                   | 21.79    | ACRES        | 3        |
| Long Pond                | MA95096    | Plymouth                                                                                                                                                                                                                                                                                                   | 208.287  | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                     | SIZE    | UNITS        | CATEGORY |
|--------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| Long Pond                | MA95097    | Rochester                                                                                                                                                                                                                       | 32.363  | ACRES        | 4A       |
| Mare Pond                | MA95172    | Plymouth                                                                                                                                                                                                                        | 12.543  | ACRES        | 3        |
| Marys Pond               | MA95100    | Rochester                                                                                                                                                                                                                       | 81.191  | ACRES        | 3        |
| Mattapoissett Harbor     | MA95-35    | From the mouth of the Mattapoissett River, Mattapoissett to a line drawn from Ned Point to a point of land between Bayview Avenue and Grandview Avenue, Mattapoissett                                                           | 1.118   | SQUARE MILES | 5        |
| Mattapoissett River      | MA95-36    | Outlet Snipatuit Pond, Rochester to River Road bridge, Mattapoissett.                                                                                                                                                           | 10.117  | MILES        | 3        |
| Mattapoissett River      | MA95-60    | From the River Road bridge, Mattapoissett to the mouth at Mattapoissett Harbor, Mattapoissett.                                                                                                                                  | 0.048   | SQUARE MILES | 4A       |
| Megansett Harbor         | MA95-19    | From the outlet of Squeteague Harbor, Falmouth to Buzzards Bay at a line from the western tip of Scraggy Neck, Bourne south to the tip of Nyes Neck, Falmouth.                                                                  | 1.461   | SQUARE MILES | 5        |
| Micajah Pond             | MA95102    | Plymouth                                                                                                                                                                                                                        | 20.215  | ACRES        | 3        |
| Mill Pond                | MA95105    | Wareham                                                                                                                                                                                                                         | 148.573 | ACRES        | 4C       |
| Nasketucket Bay          | MA95-65    | From the confluence with Little Bay, Fairhaven to Buzzards Bay along Causeway Road, Fairhaven (on the south) and along a line from the southern tip of Brant Island, Mattapoissett to the eastern tip of West Island, Fairhaven | 3.686   | SQUARE MILES | 4A       |
| Nasketucket River        | MA95-67    | From outlet of unnamed pond north of Meadow Lane, Fairhaven to confluence with Little Bay, Fairhaven                                                                                                                            | 0.889   | MILES        | 5        |
| New Bedford Inner Harbor | MA95-42    | Coggeshall Street Bridge to hurricane barrier, Fairhaven/New Bedford.                                                                                                                                                           | 1.251   | SQUARE MILES | 5        |
| New Bedford Reservoir    | MA95110    | Acushnet                                                                                                                                                                                                                        | 211.384 | ACRES        | 5        |
| New Long Pond            | MA95112    | Plymouth                                                                                                                                                                                                                        | 20.977  | ACRES        | 2        |
| Noquochoke Lake          | MA95113    | (Main Basin) Dartmouth                                                                                                                                                                                                          | 87.945  | ACRES        | 5        |
| Noquochoke Lake          | MA95170    | (South Basin) Dartmouth                                                                                                                                                                                                         | 12.814  | ACRES        | 5        |
| Noquochoke Lake          | MA95171    | (North Basin) Dartmouth                                                                                                                                                                                                         | 16.711  | ACRES        | 5        |
| Onset Bay                | MA95-02    | Wareham                                                                                                                                                                                                                         | 0.779   | SQUARE MILES | 5        |
| Outer New Bedford Harbor | MA95-63    | From the hurricane barrier, Fairhaven/New Bedford to a line drawn from Wilbur Point, Fairhaven to Clarks Point, New Bedford (segment changed 6/4/03, formerly reported as MA95-27).                                             | 5.789   | SQUARE MILES | 5        |
| Oyster Pond              | MA95927    | west of Route 28A, Falmouth.                                                                                                                                                                                                    | 0.01    | SQUARE MILES | 4A       |
| Parker Mills Pond        | MA95115    | Wareham                                                                                                                                                                                                                         | 73.172  | ACRES        | 5        |
| Paskamanset River        | MA95-11    | Outlet Turners Pond Dartmouth/New Bedford to confluence with Slocums River, Dartmouth.                                                                                                                                          | 10.543  | MILES        | 3        |
| Phinneys Harbor          | MA95-15    | From the confluence with the Back River, to the mouth at Buzzards Bay (demarcated by a line from the southeastern point of Mashnee Island to the northwestern point of Toby Island), Bourne.                                    | 0.726   | SQUARE MILES | 4A       |
| Pocasset Harbor          | MA95-17    | From the confluence with Red Brook Harbor near the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Buzzards Bay between the western portion of Bassetts Island and Wings Neck, Bourne                 | 0.332   | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                              | SIZE     | UNITS        | CATEGORY |
|---------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Pocasset River            | MA95-16    | From the outlet of Mill Pond, Bourne to the mouth at Buzzards Bay, Bourne.                                                                                                                                                                                                                                                                                                                               | 0.052145 | SQUARE MILES | 4A       |
| Queen Sewell Pond         | MA95180    | Bourne (previously reported with PALIS # 96253).                                                                                                                                                                                                                                                                                                                                                         | 17.614   | ACRES        | 2        |
| Quissett Harbor           | MA95-25    | The semi-enclosed body of water landward of a line drawn between The Knob and Gansett Point, Falmouth.                                                                                                                                                                                                                                                                                                   | 0.171    | SQUARE MILES | 4A       |
| Rands Harbor              | MA95-78    | harbor south off Megansett Harbor, Falmouth                                                                                                                                                                                                                                                                                                                                                              | 0.02     | SQUARE MILES | 5        |
| Red Brook Harbor          | MA95-18    | From the confluence with Pocasset Harbor between the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Buzzards Bay between the southern portion of Bassetts Island and Scraggy Neck, Bourne (including Hen Cove).                                                                                                                                                               | 0.92     | SQUARE MILES | 5        |
| Rocky Meadow Brook Pond   | MA95118    | Carver                                                                                                                                                                                                                                                                                                                                                                                                   | 10.997   | ACRES        | 3        |
| Rocky Pond                | MA95179    | Plymouth                                                                                                                                                                                                                                                                                                                                                                                                 | 20.43    | ACRES        | 3        |
| Round Pond                | MA95123    | Plymouth                                                                                                                                                                                                                                                                                                                                                                                                 | 20.167   | ACRES        | 3        |
| Sampson Pond              | MA95125    | Carver                                                                                                                                                                                                                                                                                                                                                                                                   | 295.975  | ACRES        | 5        |
| Sand Pond                 | MA95127    | Wareham                                                                                                                                                                                                                                                                                                                                                                                                  | 14.446   | ACRES        | 3        |
| Sandy Pond                | MA95128    | Wareham                                                                                                                                                                                                                                                                                                                                                                                                  | 15.292   | ACRES        | 3        |
| Shingle Island River      | MA95-12    | Outlet of small unnamed pond northeast of Flag Swamp Road, Dartmouth to inlet Noquochoke Lake (north basin), Dartmouth.                                                                                                                                                                                                                                                                                  | 4.995    | MILES        | 3        |
| Sippican Harbor           | MA95-69    | The waters between a line demarcating the mouth of the harbor (from Converse Point to Butler Point, Marion) and a line from Allens Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island, to the point of land south of Nyes Wharf, Marion excluding Blanketship Cove and Planting Island Cove (formerly reported as a portion of segment MA95-08). | 1.943    | SQUARE MILES | 4A       |
| Sippican River            | MA95-06    | Outlet Leonards Pond, Rochester to County Road, Marion/Wareham.                                                                                                                                                                                                                                                                                                                                          | 2.941    | MILES        | 5        |
| Sippican River            | MA95-07    | County Road, Marion/Webster to confluence with Weweantic River, Marion/Wareham.                                                                                                                                                                                                                                                                                                                          | 0.081378 | SQUARE MILES | 4A       |
| Slocums River             | MA95-34    | Rock O'Dundee Road (confluence with Paskemanset River), Dartmouth to mouth at Buzzards Bay, Dartmouth.                                                                                                                                                                                                                                                                                                   | 0.672    | SQUARE MILES | 5        |
| Snell Creek               | MA95-44    | Headwaters west of Main Street, Westport to Drift Road, Westport.                                                                                                                                                                                                                                                                                                                                        | 1.487208 | MILES        | 4A       |
| Snell Creek               | MA95-45    | Drift Road, Westport to 'Marcus' Bridge', Westport                                                                                                                                                                                                                                                                                                                                                       | 0.362    | MILES        | 4A       |
| Snell Creek               | MA95-59    | 'Marcus' Bridge', Westport to confluence with East Branch Westport River, Westport.                                                                                                                                                                                                                                                                                                                      | 0.008    | SQUARE MILES | 4A       |
| Snipatuit Pond            | MA95137    | Rochester                                                                                                                                                                                                                                                                                                                                                                                                | 644.187  | ACRES        | 4A       |
| South Meadow Brook Pond   | MA95139    | Carver                                                                                                                                                                                                                                                                                                                                                                                                   | 24.842   | ACRES        | 3        |
| South Meadow Pond         | MA95140    | Carver                                                                                                                                                                                                                                                                                                                                                                                                   | 22.196   | ACRES        | 3        |
| Southwest Atwood Bog Pond | MA95141    | Carver                                                                                                                                                                                                                                                                                                                                                                                                   | 11.597   | ACRES        | 3        |
| Spectacle Pond            | MA95142    | Wareham                                                                                                                                                                                                                                                                                                                                                                                                  | 41.48    | ACRES        | 3        |
| Squeteague Harbor         | MA95-55    | Waters landward of the confluence with Megansett Harbor, Bourne/Falmouth.                                                                                                                                                                                                                                                                                                                                | 0.146    | SQUARE MILES | 5        |
| Three Cornered Pond       | MA95145    | Plymouth                                                                                                                                                                                                                                                                                                                                                                                                 | 12.268   | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                              | SIZE     | UNITS        | CATEGORY |
|----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Tihonet Pond               | MA95146    | Wareham                                                                                                                                                                                                                                                                                                  | 86.615   | ACRES        | 5        |
| Tinkham Pond               | MA95148    | Mattapoisett/Acushnet                                                                                                                                                                                                                                                                                    | 16.619   | ACRES        | 3        |
| Tremont Mill Pond          | MA95150    | Wareham                                                                                                                                                                                                                                                                                                  | 30.664   | ACRES        | 4C       |
| Turner Pond                | MA95151    | New Bedford/Dartmouth                                                                                                                                                                                                                                                                                    | 86.005   | ACRES        | 4A       |
| Union Pond                 | MA95152    | Wareham                                                                                                                                                                                                                                                                                                  | 17.007   | ACRES        | 3        |
| Unnamed Tributary          | MA95-57    | Outlet Cornell Pond, Dartmouth to confluence with Shingle Island River, Dartmouth.                                                                                                                                                                                                                       | 1.009    | MILES        | 3        |
| Vaughn Pond                | MA95153    | Carver                                                                                                                                                                                                                                                                                                   | 19.629   | ACRES        | 2        |
| Wankinco River             | MA95-30    | Outlet East Head Pond, Carver/Plymouth (follows border through cranberry bogs) to Elm Street bridge, Wareham.                                                                                                                                                                                            | 6.526    | MILES        | 3        |
| Wankinco River             | MA95-50    | From Elm Street, Wareham to the confluence with the Agawam River (at a line between a point south of Mayflower Ridge Drive and a point north of the railroad tracks near Sandwich Road), Wareham.                                                                                                        | 0.049024 | SQUARE MILES | 4A       |
| Wareham River              | MA95-03    | From confluence of Wankinco and Agawam Rivers at Route 6 bridge, Wareham to Buzzards Bay (at an imaginary line from Cromeset Point to curved point east/southeast of Long Beach Point), Wareham. Including Marks Cove, Wareham                                                                           | 1.178    | SQUARE MILES | 5        |
| West Branch Westport River | MA95-37    | Outlet Grays Mill Pond, Adamsville, Rhode Island to mouth at Westport Harbor, Westport.                                                                                                                                                                                                                  | 1.285255 | SQUARE MILES | 5        |
| West Falmouth Harbor       | MA95-22    | From the confluence with Harbor Head at Chappaquoit Road, Falmouth to the mouth at Buzzards Bay at a line connecting the ends of the seawalls from Little Island and Chappaquoit Point, Falmouth (including Inner West Falmouth Harbor, Outer West Falmouth Harbor, Snug Harbor, and Mashapaquit Creek). | 0.29     | SQUARE MILES | 4A       |
| Westport River             | MA95-54    | From the confluences of the East Branch Westport River and the West Branch Westport River to Rhode Island Sound (at a line from the southwestern tip of Horseneck Point to the easternmost point near Westport Light), Westport.                                                                         | 0.74     | SQUARE MILES | 5        |
| Weweantic River            | MA95-04    | Outlet of small, unnamed pond at the confluence of Rocky Meadow Brook and South Meadow Brook, Carver to the inlet of Horseshoe Pond, Wareham.                                                                                                                                                            | 11.322   | MILES        | 2        |
| Weweantic River            | MA95-05    | Outlet Horseshoe Pond, Wareham to mouth at Buzzards Bay, Marion/Wareham.                                                                                                                                                                                                                                 | 0.617    | SQUARE MILES | 5        |
| White Island Pond          | MA95166    | (East Basin) Plymouth/Wareham                                                                                                                                                                                                                                                                            | 164.803  | ACRES        | 4A       |
| White Island Pond          | MA95173    | (West Basin) Plymouth/Wareham                                                                                                                                                                                                                                                                            | 122.074  | ACRES        | 4A       |
| Whites Pond                | MA95168    | Plymouth                                                                                                                                                                                                                                                                                                 | 33.713   | ACRES        | 3        |
| Wild Harbor                | MA95-20    | Falmouth.                                                                                                                                                                                                                                                                                                | 0.145    | SQUARE MILES | 4A       |
| Wild Harbor River          | MA95-68    | Headwaters, Falmouth to mouth at Wild Harbor, Falmouth.                                                                                                                                                                                                                                                  | 0.029    | SQUARE MILES | 5        |
| <b>Cape Cod</b>            |            |                                                                                                                                                                                                                                                                                                          |          |              |          |
| Areys Pond                 | MA96-70    | Orleans                                                                                                                                                                                                                                                                                                  | 0.02     | SQUARE MILES | 4A       |
| Ashumet Pond               | MA96004    | Mashpee/Falmouth                                                                                                                                                                                                                                                                                         | 203      | ACRES        | 5        |
| Baker Pond                 | MA96008    | Orleans/Brewster                                                                                                                                                                                                                                                                                         | 26       | ACRES        | 4A       |
| Barnstable Harbor          | MA96-01    | From the mouths of Scorton and Spring creeks, Barnstable east to an imaginary line drawn from Beach Point to the western edge of the Mill Creek estuary, Barnstable.                                                                                                                                     | 3.2      | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SIZE  | UNITS        | CATEGORY |
|--------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|
| Bass River         | MA96-12    | Route 6, Dennis/Yarmouth to mouth at Nantucket Sound, Dennis/Yarmouth (excluding Grand Cove, Dennis).                                                                                                                                                                                                                                                                                                                                                                                                                | 0.69  | SQUARE MILES | 5        |
| Bassing Harbor     | MA96-48    | Excluding Crows Pond and Ryder Cove, Chatham.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.13  | SQUARE MILES | 2        |
| Bearse Pond        | MA96012    | Barnstable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 64    | ACRES        | 4A       |
| Boat Meadow River  | MA96-15    | Headwaters east of old railway grade, Eastham to mouth at Cape Cod Bay, Eastham.                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.05  | SQUARE MILES | 5        |
| Bournes Pond       | MA96-57    | west of Central Avenue, Falmouth to Vineyard Sound, including Israels Cove, Falmouth.                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.24  | SQUARE MILES | 4A       |
| Bucks Creek        | MA96-44    | Outlet from Harding Beach Pond (locally known as Sulfur Springs), Chatham to confluence with Cockle Cove, Nantucket Sound, Chatham.                                                                                                                                                                                                                                                                                                                                                                                  | 0.02  | SQUARE MILES | 4A       |
| Bumps River        | MA96-02    | From outlet of pond at Bumps River Road, Barnstable through Scudder Bay to South Main Street bridge (confluence with Centerville River), Barnstable.                                                                                                                                                                                                                                                                                                                                                                 | 0.07  | SQUARE MILES | 4A       |
| Cedar Pond         | MA96-88    | Orleans (in Inner Cape Cod Bay ACEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.03  | SQUARE MILES | 5        |
| Centerville Harbor | MA96-03    | From an imaginary line that extends from Dowses Beach, Barnstable to Hyannis Point including all waters north to the shore, Barnstable.                                                                                                                                                                                                                                                                                                                                                                              | 1.46  | SQUARE MILES | 2        |
| Centerville River  | MA96-04    | Approximately 300 feet west of Elliot Road, Barnstable to confluence with Centerville Harbor, including East Bay, Barnstable.                                                                                                                                                                                                                                                                                                                                                                                        | 0.24  | SQUARE MILES | 4A       |
| Chase Garden Creek | MA96-35    | New Boston Road, Dennis to mouth at Cape Cod Bay, Dennis/Yarmouth.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.13  | SQUARE MILES | 4A       |
| Chatham Harbor     | MA96-10    | Harbor, bounded on the east by the Cape Cod National Seashore (CCNS), with northern extent as an imaginary line drawn northeast from northern tip of Strong Island to a point on the inner CCNS and western extent as an imaginary line drawn from the southern tip of Strong Island south to Allen Point including waters south to an imaginary line along the northern edge of South Beach Bar extending from Chatham Lighthouse to inlet created by the 1987 storm, Chatham (area within CCSN designated as ORW). | 2.85  | SQUARE MILES | 2        |
| Clapps Pond        | MA96035    | Provincetown (area associated with Cape Cod National Seashore designated as ORW).                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40    | ACRES        | 3        |
| Cliff Pond         | MA96039    | Brewster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 191   | ACRES        | 3        |
| Cockle Cove Creek  | MA96-79    | Northeast of the bend in Cockle Drive, Chatham to confluence with Bucks Creek, Chatham (2005 orthophotos used to delineate segment).                                                                                                                                                                                                                                                                                                                                                                                 | 0.007 | SQUARE MILES | 4A       |
| Coonamessett River | MA96-69    | Headwaters, outlet of Coonamessett Pond, Falmouth to the inlet of Great Pond, Falmouth.                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.4   | MILES        | 3        |
| Cotuit Bay         | MA96-63    | From North Bay at Point Isabella, Barnstable oceanward to a line extended along Oyster Harbors Beach, Barnstable.                                                                                                                                                                                                                                                                                                                                                                                                    | 0.85  | SQUARE MILES | 4A       |
| Crows Pond         | MA96-47    | To Bassing Harbor, Chatham.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.19  | SQUARE MILES | 2        |
| Crystal Lake       | MA96050    | Orleans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 33    | ACRES        | 5        |
| Depot Pond         | MA96061    | Eastham                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 26    | ACRES        | 3        |
| Dock Creek         | MA96-86    | From railroad crossing northeast of Route 6A, Sandwich to confluence with Old Harbor Creek, Sandwich.                                                                                                                                                                                                                                                                                                                                                                                                                | 0.02  | SQUARE MILES | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                      | SIZE | UNITS        | CATEGORY |
|----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| Duck Creek                 | MA96-32    | Source west of Route 6, Wellfleet to Wellfleet Harbor (at a line from Shirttail Point to Taylor Road), Wellfleet.                                                                | 0.15 | SQUARE MILES | 4A       |
| Duck Pond                  | MA96068    | Wellfleet                                                                                                                                                                        | 11   | ACRES        | 4A       |
| Dyer Pond                  | MA96070    | Wellfleet                                                                                                                                                                        | 10   | ACRES        | 4A       |
| East Harbor (Pilgrim Lake) | MA96-83    | Truro/Provincetown                                                                                                                                                               | 0.5  | SQUARE MILES | 4A       |
| Falmouth Inner Harbor      | MA96-17    | Waters included north of Falmouth Inner Harbor Light, Falmouth.                                                                                                                  | 0.05 | SQUARE MILES | 2        |
| Flax Pond                  | MA96090    | Dennis                                                                                                                                                                           | 15   | ACRES        | 3        |
| Frost Fish Creek           | MA96-49    | Outlet from cranberry bog northwest of Stony Hill Road, Chatham to confluence with Ryder Cove, Chatham.                                                                          | 0.01 | SQUARE MILES | 4A       |
| Goose Pond                 | MA96106    | Chatham                                                                                                                                                                          | 35   | ACRES        | 3        |
| Great Harbor               | MA96-18    | The waters north of an imaginary line drawn east from Penzance Point to Devils Foot Island and southeast from Devils Foot Island to Juniper Point (excludes Eel Pond), Falmouth. | 0.31 | SQUARE MILES | 4A       |
| Great Pond                 | MA96114    | Truro                                                                                                                                                                            | 17   | ACRES        | 4A       |
| Great Pond                 | MA96115    | Eastham                                                                                                                                                                          | 109  | ACRES        | 5        |
| Great Pond                 | MA96117    | Wellfleet                                                                                                                                                                        | 41   | ACRES        | 4A       |
| Great Pond                 | MA96-54    | From inlet of Coonamesett River, Falmouth to Vineyard Sound (excluding Perch Pond), Falmouth.                                                                                    | 0.4  | SQUARE MILES | 4A       |
| Great River                | MA96-60    | From inlet of Abigails Brook, Mashpee to Waquoit Bay (excluding Jehu Pond), Mashpee.                                                                                             | 0.16 | SQUARE MILES | 4A       |
| Green Pond                 | MA96-55    | east of Acapesket Road, Falmouth outlet to Vineyard Sound, Falmouth.                                                                                                             | 0.21 | SQUARE MILES | 4A       |
| Gull Pond                  | MA96123    | Wellfleet                                                                                                                                                                        | 103  | ACRES        | 3        |
| Halls Creek                | MA96-93    | Estuarine portion, from Craigville Beach Road, Barnstable to mouth at Centerville Harbor, Barnstable.                                                                            | 0.07 | SQUARE MILES | 4A       |
| Hamblin Pond               | MA96126    | Barnstable                                                                                                                                                                       | 114  | ACRES        | 5        |
| Hamblin Pond               | MA96-58    | From inlet of Red Brook, Falmouth/Mashpee to outlet of Little River, Mashpee and inlet/outlet of Waquoit Bay west of Meadow Neck Road, Falmouth/Mashpee.                         | 0.19 | SQUARE MILES | 4A       |
| Harding Beach Pond         | MA96-43    | locally known as Sulfur Springs (northeast of Bucks Creek), Chatham.                                                                                                             | 0.07 | SQUARE MILES | 4A       |
| Herring Pond               | MA96133    | Eastham                                                                                                                                                                          | 42   | ACRES        | 3        |
| Herring Pond               | MA96134    | Wellfleet                                                                                                                                                                        | 18   | ACRES        | 3        |
| Herring River              | MA96-22    | Outlet of Herring River Reservoir (at North Harwich Reservoir Dam) west of Bells Neck Road, Harwich to mouth at Nantucket Sound, Harwich.                                        | 0.07 | SQUARE MILES | 4A       |
| Herring River              | MA96-33    | South of High Toss Road, Wellfleet to Wellfleet Harbor (at an imaginary line drawn due north from the eastern tip of Great Island to the opposite shore), Wellfleet.             | 0.4  | SQUARE MILES | 5        |
| Herring River              | MA96-67    | From outlet of Herring Pond, Wellfleet to south of High Toss Road, Wellfleet.                                                                                                    | 3.6  | MILES        | 5        |
| Hinckleys Pond             | MA96140    | Harwich                                                                                                                                                                          | 164  | ACRES        | 2        |
| Horseleach Pond            | MA96144    | Truro                                                                                                                                                                            | 23   | ACRES        | 4A       |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                              | SIZE | UNITS        | CATEGORY |
|------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| Hoxie Pond             | MA96146    | Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8    | ACRES        | 3        |
| Hyannis Harbor         | MA96-05    | The waters from the shoreline to an imaginary line drawn from the light at the end of Hyannis breakwater, Barnstable to the point west of Dunbar Point, Barnstable.                                                                                                                                                                                                                                                                                      | 0.68 | SQUARE MILES | 4A       |
| Hyannis Inner Harbor   | MA96-82    | Waters landward of an imaginary line drawn from Harbor Bluff, Barnstable to Hyannis Park, Yarmouth.                                                                                                                                                                                                                                                                                                                                                      | 0.13 | SQUARE MILES | 5        |
| Jehu Pond              | MA96-59    | Mashpee.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.09 | SQUARE MILES | 4A       |
| Johns Pond             | MA96157    | Mashpee                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 316  | ACRES        | 4A       |
| Kinnacum Pond          | MA96163    | Wellfleet                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2    | ACRES        | 3        |
| Lake Elizabeth         | MA96080    | Barnstable                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6    | ACRES        | 3        |
| Lawrence Pond          | MA96165    | Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 138  | ACRES        | 4A       |
| Lewis Bay              | MA96-36    | Includes portion of Pine Island Creek and Uncle Roberts Cove to confluence with Nantucket Sound, Barnstable/Yarmouth (excluding Hyannis Inner Harbor, Barnstable/Yarmouth and Mill Creek, Yarmouth).                                                                                                                                                                                                                                                     | 1.79 | SQUARE MILES | 5        |
| Little Harbor          | MA96-19    | The waters north of an imaginary line drawn from Juniper Point, Falmouth east to Nobska Beach, Falmouth.                                                                                                                                                                                                                                                                                                                                                 | 0.07 | SQUARE MILES | 4A       |
| Little Namskaket Creek | MA96-26    | Source to mouth at Cape Cod Bay, Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                | 0.01 | SQUARE MILES | 4A       |
| Little Pleasant Bay    | MA96-78    | Waters north and east of imaginary lines drawn from the northeasterly edge of Orleans (near The Horseshoe), southeasterly to the northeastern tip of Sipson Island, then continuing to and around the northeastern border of Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham then east to a point on the inner Cape Cod National Seashore (excluding the delineated segments; The River, Pochet Neck, and Paw Wah Pond). | 3.3  | SQUARE MILES | 4A       |
| Little Pond            | MA96-56    | west of Vista Boulevard, Falmouth outlet to Vineyard Sound, Falmouth.                                                                                                                                                                                                                                                                                                                                                                                    | 0.07 | SQUARE MILES | 4A       |
| Little River           | MA96-61    | From outlet of Hamblin Pond, Mashpee to the Great River, Mashpee.                                                                                                                                                                                                                                                                                                                                                                                        | 0.02 | SQUARE MILES | 4A       |
| Long Pond              | MA96179    | Wellfleet                                                                                                                                                                                                                                                                                                                                                                                                                                                | 35   | ACRES        | 4A       |
| Long Pond              | MA96180    | Yarmouth                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 54   | ACRES        | 3        |
| Long Pond              | MA96183    | Brewster/Harwich                                                                                                                                                                                                                                                                                                                                                                                                                                         | 715  | ACRES        | 5        |
| Long Pond              | MA96184    | Barnstable                                                                                                                                                                                                                                                                                                                                                                                                                                               | 48   | ACRES        | 4C       |
| Lovells Pond           | MA96185    | Barnstable                                                                                                                                                                                                                                                                                                                                                                                                                                               | 54   | ACRES        | 5        |
| Lovers Lake            | MA96186    | Chatham                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 37   | ACRES        | 5        |
| Lower Mill Pond        | MA96188    | Brewster                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44   | ACRES        | 5        |
| Maraspin Creek         | MA96-06    | From Commerce Road, Barnstable to confluence with Barnstable Harbor at Blish Point, Barnstable.                                                                                                                                                                                                                                                                                                                                                          | 0.03 | SQUARE MILES | 4A       |
| Mashpee Pond           | MA96194    | Mashpee/Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                         | 377  | ACRES        | 4A       |
| Mashpee River          | MA96-24    | Quinacisset Avenue, Mashpee to mouth at Shoestring Bay (formerly to mouth at Popponesset Bay), Mashpee.                                                                                                                                                                                                                                                                                                                                                  | 0.08 | SQUARE MILES | 4A       |
| Mashpee River          | MA96-89    | Headwaters, outlet Mashpee Pond, Mashpee to Quinacisset Avenue, Mashpee.                                                                                                                                                                                                                                                                                                                                                                                 | 2.7  | MILES        | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                  | SIZE  | UNITS        | CATEGORY |
|--------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|
| Middle Pond        | MA96198    | Barnstable                                                                                                                                                                                                                                                                                                                   | 104   | ACRES        | 5        |
| Mill Creek         | MA96-37    | From Keveney Lane/Mill Lane, Barnstable/Yarmouth north to confluence with Cape Cod Bay, Barnstable/Yarmouth.                                                                                                                                                                                                                 | 0.03  | SQUARE MILES | 4A       |
| Mill Creek         | MA96-41    | Outlet of Taylors Pond, Chatham to confluence with Cockle Cove, Chatham.                                                                                                                                                                                                                                                     | 0.03  | SQUARE MILES | 4A       |
| Mill Creek         | MA96-80    | Headwaters, outlet Mill Pond, Yarmouth to confluence with Lewis Bay, Yarmouth.                                                                                                                                                                                                                                               | 0.07  | SQUARE MILES | 5        |
| Mill Creek         | MA96-85    | Headwaters, outlet Shawme Lake Lower, Sandwich to confluence with Old Harbor Creek, Sandwich.                                                                                                                                                                                                                                | 0.02  | SQUARE MILES | 4A       |
| Mill Pond          | MA96-52    | including Little Mill Pond (PALIS # 96174), Chatham.                                                                                                                                                                                                                                                                         | 0.06  | SQUARE MILES | 4A       |
| Miss Thachers Pond | MA96258    | Yarmouth                                                                                                                                                                                                                                                                                                                     | 6     | ACRES        | 3        |
| Muddy Creek        | MA96-51    | Source south of Countryside Drive and north-northeast of Old Queen Anne Road, Chatham to mouth at Pleasant Bay, Harwich/Chatham, including Upper and Lower reaches.                                                                                                                                                          | 0.05  | SQUARE MILES | 4A       |
| Mystic Lake        | MA96218    | Barnstable                                                                                                                                                                                                                                                                                                                   | 146   | ACRES        | 5        |
| Namequoit River    | MA96-71    | Headwaters, outlet Areys Pond, Orleans to confluence with The River, Orleans.                                                                                                                                                                                                                                                | 0.06  | SQUARE MILES | 4A       |
| Namskaket Creek    | MA96-27    | Source west of Route 6, Orleans to mouth at Cape Cod Bay, Brewster/Orleans.                                                                                                                                                                                                                                                  | 0.03  | SQUARE MILES | 4A       |
| Nauset Harbor      | MA96-28    | The waters south of an imaginary line drawn east from Woods Cove, Orleans around the southern point of Stony Island, around the southern end of the unnamed island in the harbor, to the Cape Cod National Seashore point, excluding Mill Pond, Orleans (area associated with Cape Cod National Seashore designated as ORW). | 0.41  | SQUARE MILES | 2        |
| North Bay          | MA96-66    | From Fox Island to just south of Bridge Street and separated from Cotuit Bay at a line from Point Isabella, Barnstable southward to the opposite shore (including Dam Pond), Barnstable.                                                                                                                                     | 0.47  | SQUARE MILES | 4A       |
| Nye Pond           | MA96228    | Sandwich                                                                                                                                                                                                                                                                                                                     | 6     | ACRES        | 3        |
| Old Harbor Creek   | MA96-84    | From Foster Road, Sandwich to Sandwich Harbor, Sandwich.                                                                                                                                                                                                                                                                     | 0.06  | SQUARE MILES | 4A       |
| Oyster Pond        | MA96-45    | Including Stetson Cove, Chatham.                                                                                                                                                                                                                                                                                             | 0.21  | SQUARE MILES | 4A       |
| Oyster Pond        | MA96-62    | east of Fells Road, Falmouth.                                                                                                                                                                                                                                                                                                | 0.1   | SQUARE MILES | 4A       |
| Oyster Pond River  | MA96-46    | Outlet of Oyster Pond, Chatham to confluence with Stage Harbor, Chatham.                                                                                                                                                                                                                                                     | 0.14  | SQUARE MILES | 4A       |
| Pamet River        | MA96-31    | Tidegate at Route 6A, Truro to mouth at Cape Cod Bay (including Pamet Harbor), Truro.                                                                                                                                                                                                                                        | 0.14  | SQUARE MILES | 4A       |
| Parkers River      | MA96-38    | Outlet Seine Pond, Yarmouth to mouth at Nantucket Sound, Yarmouth.                                                                                                                                                                                                                                                           | 0.04  | SQUARE MILES | 4A       |
| Paw Wah Pond       | MA96-72    | Orleans                                                                                                                                                                                                                                                                                                                      | 0.008 | SQUARE MILES | 4A       |
| Perch Pond         | MA96-53    | Connects to northwest end of Great Pond, west of Keechipam Way, Falmouth.                                                                                                                                                                                                                                                    | 0.03  | SQUARE MILES | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SIZE | UNITS        | CATEGORY |
|---------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| Peters Pond         | MA96244    | Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 123  | ACRES        | 4A       |
| Pilgrim Lake        | MA96246    | Orleans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 38   | ACRES        | 3        |
| Pleasant Bay        | MA96-77    | The waters between the mouth of Muddy Creek, Harwich and imaginary lines drawn from the northeastern edge of Orleans (near The Horseshoe), southeasterly to the northeastern tip of Sipson Island, then continuing to and around the northeastern border of Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham and from the southeastern tip of Strong Island to Allen Point, Chatham (excluding the delineated segments; Bassing Harbor, Round Cove and Quanset Pond). | 2.88 | SQUARE MILES | 4A       |
| Pochet Neck         | MA96-73    | to confluence with Little Pleasant Bay, Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.24 | SQUARE MILES | 4A       |
| Popponesset Bay     | MA96-40    | From line connecting Ryefield Point, Barnstable and Punkhorn Point, Mashpee to inlet of Nantucket Sound (including Ockway Bay and Pinquickset Cove), Mashpee/Barnstable.                                                                                                                                                                                                                                                                                                                             | 0.68 | SQUARE MILES | 4A       |
| Popponesset Creek   | MA96-39    | All waters west of Popponesset Island (from Popponesset Island Road bridge at the north to a line extended from the southeastern most point of the island southerly to Popponesset Beach), Mashpee.                                                                                                                                                                                                                                                                                                  | 0.05 | SQUARE MILES | 5        |
| Prince Cove         | MA96-07    | Includes areas east of Prince Cove which are locally known as "Warren Cove" and "Prince Cove Channel", Barnstable.                                                                                                                                                                                                                                                                                                                                                                                   | 0.14 | SQUARE MILES | 4A       |
| Provincetown Harbor | MA96-29    | The waters northwest of an imaginary line drawn northeasterly from the tip of Long Point, Provincetown to Beach Point Beach, Truro (area associated with Cape Cod National Seashore designated as ORW).                                                                                                                                                                                                                                                                                              | 4.33 | SQUARE MILES | 4A       |
| Quanset Pond        | MA96-74    | Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.02 | SQUARE MILES | 4A       |
| Quashnet River      | MA96-20    | Just south of Route 28, Falmouth to mouth at Waquoit Bay, Falmouth. Also known as Moonakis River.                                                                                                                                                                                                                                                                                                                                                                                                    | 0.07 | SQUARE MILES | 4A       |
| Quashnet River      | MA96-90    | Headwaters, outlet Johns Pond, Mashpee to just south of Route 28, Falmouth.                                                                                                                                                                                                                                                                                                                                                                                                                          | 4.1  | MILES        | 2        |
| Quivett Creek       | MA96-09    | Outlet of unnamed pond just south of Route 6A, Brewster/Dennis to the mouth at Cape Cod Bay, Brewster/Dennis.                                                                                                                                                                                                                                                                                                                                                                                        | 0.04 | SQUARE MILES | 4A       |
| Red Brook           | MA96-25    | From dam at Red Brook Road, Falmouth/Mashpee to Hamblin Pond, Falmouth/Mashpee.                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.01 | SQUARE MILES | 2        |
| Red Lily Pond       | MA96257    | Barnstable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4    | ACRES        | 5        |
| Rock Harbor Creek   | MA96-16    | Outlet Cedar Pond, Orleans to mouth at Cape Cod Bay, Eastham/Orleans.                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.03 | SQUARE MILES | 4A       |
| Round Cove          | MA96-75    | Harwich.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.02 | SQUARE MILES | 4A       |
| Round Pond (East)   | MA96260    | Truro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6    | ACRES        | 4A       |
| Round Pond (West)   | MA96261    | Truro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2    | ACRES        | 4A       |
| Rushy Marsh Pond    | MA96266    | Barnstable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14   | ACRES        | 3        |
| Ryder Cove          | MA96-50    | Chatham                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.19 | SQUARE MILES | 4A       |
| Ryder Pond          | MA96268    | Truro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 18   | ACRES        | 5        |
| Santuit Pond        | MA96277    | Mashpee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 164  | ACRES        | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                   | SIZE  | UNITS        | CATEGORY |
|--------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|
| Santuit River      | MA96-91    | Headwaters, outlet Santuit Pond, Mashpee to confluence with tidal portion south of Old Mill Road, Mashpee.                                                                                                    | 1.6   | MILES        | 2        |
| Santuit River      | MA96-92    | From confluence with fresh water portion south of Old Mill Road, Mashpee to mouth at Shoestring Bay, Mashpee/Barnstable.                                                                                      | 0.008 | SQUARE MILES | 4A       |
| Saquatucket Harbor | MA96-23    | South of Route 28, Harwich to confluence with Nantucket Sound, Harwich.                                                                                                                                       | 0.02  | SQUARE MILES | 4A       |
| Scargo Lake        | MA96279    | Dennis                                                                                                                                                                                                        | 54    | ACRES        | 3        |
| Schoolhouse Pond   | MA96281    | Chatham                                                                                                                                                                                                       | 20    | ACRES        | 3        |
| Scorton Creek      | MA96-30    | Jones Lane, Sandwich to mouth at Cape Cod Bay, Sandwich.                                                                                                                                                      | 0.03  | SQUARE MILES | 4A       |
| Seapuit River      | MA96-64    | south of Osterville Grand Island, Barnstable to Cotuit Bay and West Bay, Barnstable.                                                                                                                          | 0.06  | SQUARE MILES | 4A       |
| Sesuit Creek       | MA96-13    | Approximately 625 feet east of Route 6A, Dennis to mouth at Sesuit Harbor, Cape Cod Bay, Dennis.                                                                                                              | 0.01  | SQUARE MILES | 4A       |
| Shallow Pond       | MA96285    | Barnstable                                                                                                                                                                                                    | 76    | ACRES        | 3        |
| Shawme Lake Lower  | MA96288    | Sandwich                                                                                                                                                                                                      | 25    | ACRES        | 5        |
| Sheep Pond         | MA96289    | Brewster                                                                                                                                                                                                      | 138   | ACRES        | 4A       |
| Shoestring Bay     | MA96-08    | Quinacisset Avenue, Mashpee/Barnstable to Popponesset Bay (line from Ryefield Point, Barnstable to Punkhorn Point, Mashpee, including Gooseberry Island), Barnstable/Mashpee.                                 | 0.31  | SQUARE MILES | 4A       |
| Shubael Pond       | MA96293    | Barnstable                                                                                                                                                                                                    | 55    | ACRES        | 3        |
| Slough Pond        | MA96298    | Truro                                                                                                                                                                                                         | 29    | ACRES        | 4A       |
| Snake Pond         | MA96302    | Sandwich                                                                                                                                                                                                      | 81    | ACRES        | 4A       |
| Snow Pond          | MA96303    | Truro                                                                                                                                                                                                         | 7     | ACRES        | 4A       |
| Snows Creek        | MA96-81    | East of Old Colony Road, Barnstable to mouth at Lewis Bay, Barnstable.                                                                                                                                        | 0.02  | SQUARE MILES | 4A       |
| Spectacle Pond     | MA96306    | Wellfleet                                                                                                                                                                                                     | 2     | ACRES        | 4A       |
| Spectacle Pond     | MA96307    | Sandwich                                                                                                                                                                                                      | 93    | ACRES        | 4A       |
| Springhill Creek   | MA96-87    | From railroad crossing northeast of Route 6A, Sandwich to confluence with Old Harbor Creek, Sandwich.                                                                                                         | 0.01  | SQUARE MILES | 4A       |
| Stage Harbor       | MA96-11    | From the outlet of Mill Pond, Chatham (including Mitchell River) to the confluence with Nantucket Sound at a line from the southernmost point of Harding Beach southeast to the Harding Beach Point, Chatham. | 0.56  | SQUARE MILES | 4A       |
| Stewarts Creek     | MA96-94    | Estuarine portion west of Stetson Street, Barnstable to mouth at Hyannis Harbor, Barnstable.                                                                                                                  | 0.01  | SQUARE MILES | 4A       |
| Stillwater Pond    | MA96309    | Chatham                                                                                                                                                                                                       | 18    | ACRES        | 5        |
| Swan Pond River    | MA96-14    | Headwaters, outlet Swan Pond, Dennis to confluence with Nantucket Sound, Dennis.                                                                                                                              | 0.04  | SQUARE MILES | 5        |
| Taylors Pond       | MA96-42    | Chatham                                                                                                                                                                                                       | 0.02  | SQUARE MILES | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                             | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                        | SIZE    | UNITS        | CATEGORY |
|----------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| The River                        | MA96-76    | The water landward of an imaginary line drawn between Old Field Point and Namequoit Point including Meetinghouse Pond, and Kescayo Gansett Pond locally known as "Lonnie's Pond", Orleans (excluding the delineated segments; Namequoit River and Areys Pond).                                     | 0.42    | SQUARE MILES | 4A       |
| Town Cove                        | MA96-68    | Entire cove to Nauset Harbor, including Rachael Cove and Woods Cove, Orleans/Eastham (area associated with Cape Cod National Seashore designated as ORW).                                                                                                                                          | 0.79    | SQUARE MILES | 5        |
| Upper Mill Pond                  | MA96324    | Brewster                                                                                                                                                                                                                                                                                           | 249     | ACRES        | 2        |
| Upper Shawme Lake                | MA96326    | Sandwich                                                                                                                                                                                                                                                                                           | 21      | ACRES        | 5        |
| Village Pond                     | MA96329    | Truro                                                                                                                                                                                                                                                                                              | 2       | ACRES        | 3        |
| Wakeby Pond                      | MA96346    | Mashpee/Sandwich                                                                                                                                                                                                                                                                                   | 353     | ACRES        | 4A       |
| Walkers Pond                     | MA96331    | Brewster                                                                                                                                                                                                                                                                                           | 100     | ACRES        | 5        |
| Waquoit Bay                      | MA96-21    | From mouths of Seapit River, Quashnet River (also known as Moonakis River), Falmouth and Great River, Mashpee to confluence with Vineyard Sound, Falmouth/Mashpee.                                                                                                                                 | 1.42    | SQUARE MILES | 5        |
| Wellfleet Harbor                 | MA96-34    | The waters north of an imaginary line drawn east from the southern tip of Jeremy Point, Wellfleet to Sunken Meadow, Eastham excluding the estuaries of Herring River, Duck Creek, Blackfish Creek, and Fresh Brook, Wellfleet (area associated with Cape Cod National Seashore designated as ORW). | 8.4     | SQUARE MILES | 2        |
| Wequaquet Lake                   | MA96333    | Barnstable                                                                                                                                                                                                                                                                                         | 576     | ACRES        | 4A       |
| West Bay                         | MA96-65    | South of the Bridge Street bridge, Barnstable to Nantucket Sound including Eel River, Barnstable.                                                                                                                                                                                                  | 0.52    | SQUARE MILES | 4A       |
| <b>Charles</b>                   |            |                                                                                                                                                                                                                                                                                                    |         |              |          |
| Alder Brook                      | MA72-22    | Headwaters northwest of the Route 135 and South Street intersection, Needham to the confluence with the Charles River, Needham.                                                                                                                                                                    | 0.282   | MILES        | 5        |
| Beaver Brook                     | MA72-12    | Headwaters, outlet Beaver Pond, Bellingham to the confluence with the Charles River, Bellingham.                                                                                                                                                                                                   | 1.413   | MILES        | 5        |
| Beaver Brook                     | MA72-28    | Headwaters, north of Route 2, Lexington through culverting to Charles River, Waltham.                                                                                                                                                                                                              | 5.535   | MILES        | 5        |
| Beaver Pond                      | MA72004    | Bellingham/Milford                                                                                                                                                                                                                                                                                 | 86.679  | ACRES        | 4A       |
| Beaver Pond                      | MA72006    | Franklin                                                                                                                                                                                                                                                                                           | 31.789  | ACRES        | 4C       |
| Bogastow Brook                   | MA72-16    | Headwaters, outlet Factory Pond, Holliston to inlet South End Pond, Millis.                                                                                                                                                                                                                        | 9.492   | MILES        | 4A       |
| Brookline Reservoir              | MA72010    | Brookline                                                                                                                                                                                                                                                                                          | 21.111  | ACRES        | 3        |
| Bulloughs Pond                   | MA72011    | Newton                                                                                                                                                                                                                                                                                             | 6.887   | ACRES        | 5        |
| Cambridge Reservoir              | MA72014    | Waltham/Lincoln/Lexington                                                                                                                                                                                                                                                                          | 532.011 | ACRES        | 3        |
| Cambridge Reservoir, Upper Basin | MA72156    | Lincoln/Lexington                                                                                                                                                                                                                                                                                  | 43.998  | ACRES        | 5        |
| Cedar Swamp Pond                 | MA72016    | locally known as "Milford Pond", Milford                                                                                                                                                                                                                                                           | 98.978  | ACRES        | 4A       |
| Chandler Pond                    | MA72017    | Boston                                                                                                                                                                                                                                                                                             | 11.394  | ACRES        | 5        |
| Charles River                    | MA72-01    | Headwaters, outlet Echo Lake, Hopkinton to Dilla Street (just upstream of Cedar Swamp Pond), Milford.                                                                                                                                                                                              | 2.482   | MILES        | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                         | SIZE    | UNITS | CATEGORY |
|------------------------------|------------|---------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Charles River                | MA72-03    | Milford WWTF discharge, Hopedale to outlet Box Pond (formerly segment MA72008), Bellingham.                         | 3.374   | MILES | 5        |
| Charles River                | MA72-04    | Outlet Box Pond, Bellingham to inlet Populatic Pond, Norfolk/Medway.                                                | 11.457  | MILES | 5        |
| Charles River                | MA72-05    | Outlet Populatic Pond, Norfolk/Medway to South Natick Dam, Natick.                                                  | 18.078  | MILES | 5        |
| Charles River                | MA72-06    | South Natick Dam, Natick to Chestnut Street, Needham/Dover.                                                         | 8.356   | MILES | 5        |
| Charles River                | MA72-07    | Chestnut Street, Needham to Watertown Dam, Watertown.                                                               | 24.774  | MILES | 5        |
| Charles River                | MA72-33    | Outlet Cedar Swamp Pond, Milford to the Milford WWTF discharge, Hopedale (formerly part of segment MA72-02).        | 2.037   | MILES | 4A       |
| Charles River                | MA72-36    | Watertown Dam, Watertown to the Boston University Bridge, Boston/Cambridge (formerly part of segment MA72-08).      | 6.052   | MILES | 5        |
| Charles River                | MA72-38    | Boston University Bridge, Boston/Cambridge to the New Charles River Dam, Boston (formerly part of segment MA72-08). | 3.092   | MILES | 5        |
| Cheese Cake Brook            | MA72-29    | Emerges south of Route 16, Newton to confluence with the Charles River, Newton.                                     | 1.416   | MILES | 4A       |
| Chestnut Hill Reservoir      | MA72023    | Boston                                                                                                              | 82.253  | ACRES | 3        |
| Chicken Brook                | MA72-34    | Source, outlet Waseeka Sanctuary Pond, Holliston to the confluence with the Charles River, Medway.                  | 7.407   | MILES | 2        |
| Crystal Lake                 | MA72030    | Newton                                                                                                              | 27.273  | ACRES | 3        |
| Dug Pond                     | MA72034    | Natick                                                                                                              | 50.191  | ACRES | 4C       |
| Echo Lake                    | MA72035    | Milford/Hopkinton                                                                                                   | 72.335  | ACRES | 4A       |
| Factory Pond                 | MA72037    | Holliston                                                                                                           | 9.699   | ACRES | 4A       |
| Farm Pond                    | MA72039    | Sherborn                                                                                                            | 125.03  | ACRES | 2        |
| Franklin Reservoir Northeast | MA72095    | Franklin                                                                                                            | 21.03   | ACRES | 4A       |
| Franklin Reservoir Southwest | MA72032    | Franklin                                                                                                            | 13.12   | ACRES | 4A       |
| Fuller Brook                 | MA72-18    | Headwater south of Route 135, Needham to confluence with Waban Brook, Wellesley.                                    | 4.282   | MILES | 5        |
| Halls Pond                   | MA72043    | Brookline                                                                                                           | 0.57    | ACRES | 3        |
| Hammond Pond                 | MA72044    | Newton                                                                                                              | 22.382  | ACRES | 2        |
| Hardys Pond                  | MA72045    | Waltham                                                                                                             | 42.769  | ACRES | 4A       |
| Hopping Brook                | MA72-35    | Source in Cedar Swamp, Holliston to the confluence with the Charles River, Bellingham/Medway.                       | 4.863   | MILES | 2        |
| Houghton Pond                | MA72050    | Holliston                                                                                                           | 17.521  | ACRES | 4A       |
| Jamaica Pond                 | MA72052    | Boston                                                                                                              | 66.734  | ACRES | 5        |
| Jennings Pond                | MA72053    | Natick                                                                                                              | 7.428   | ACRES | 2        |
| Kendrick Street Pond         | MA72055    | Needham                                                                                                             | 39.264  | ACRES | 5        |
| Kingsbury Pond               | MA72056    | Norfolk                                                                                                             | 15.36   | ACRES | 4C       |
| Lake Archer                  | MA72002    | Wrentham                                                                                                            | 77.118  | ACRES | 4C       |
| Lake Pearl                   | MA72092    | Wrentham                                                                                                            | 236.692 | ACRES | 4A       |
| Lake Waban                   | MA72125    | Wellesley                                                                                                           | 108.997 | ACRES | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                                           | SIZE    | UNITS | CATEGORY |
|---------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Lake Winthrop             | MA72140    | Holliston                                                                                                                                             | 131.341 | ACRES | 5        |
| Linden Pond               | MA72063    | Holliston                                                                                                                                             | 1.399   | ACRES | 4A       |
| Little Farm Pond          | MA72064    | Sherborn                                                                                                                                              | 23.801  | ACRES | 3        |
| Louisa Lake               | MA72068    | Milford                                                                                                                                               | 7.772   | ACRES | 3        |
| Lymans Pond               | MA72070    | Dover                                                                                                                                                 | 4.395   | ACRES | 4A       |
| Mill River                | MA72-15    | Headwaters, outlet Bush Pond, Norfolk to confluence with the Charles River, Norfolk.                                                                  | 3.47    | MILES | 5        |
| Mine Brook                | MA72-14    | Headwaters in Franklin State Forest, Franklin to the confluence with the Charles River, Franklin (through Mine Brook Pond, formerly segment MA72077). | 8.942   | MILES | 5        |
| Mirror Lake               | MA72078    | Wrentham/Norfolk                                                                                                                                      | 61.55   | ACRES | 4A       |
| Morses Pond               | MA72079    | Wellesley/Natick                                                                                                                                      | 111.817 | ACRES | 4C       |
| Muddy River               | MA72-11    | Headwaters, outlet Ward Pond in Olmstead Park, Boston through Leverett Pond, Boston/Brookline to confluence with Charles River, Boston.               | 3.6     | MILES | 5        |
| Noannet Pond              | MA72084    | Westwood/Dover                                                                                                                                        | 49.71   | ACRES | 4C       |
| Nonesuch Pond             | MA72085    | Natick/Weston                                                                                                                                         | 38.78   | ACRES | 4C       |
| Norumbega Reservoir       | MA72086    | [North Basin] Weston                                                                                                                                  | 13.643  | ACRES | 3        |
| Norumbega Reservoir       | MA72087    | [South Basin] Weston                                                                                                                                  | 38.41   | ACRES | 3        |
| Populatic Pond            | MA72096    | Norfolk                                                                                                                                               | 41.911  | ACRES | 5        |
| Powissett Brook           | MA72-20    | Headwaters, outlet Noannet Pond, Westwood to confluence with Charles River, Dover.                                                                    | 1.849   | MILES | 5        |
| Rock Meadow Brook         | MA72-21    | Headwaters in Fisher Meadow, Westwood through Stevens Pond and Lee Pond, Westwood to confluence with Charles River, Dedham.                           | 3.771   | MILES | 5        |
| Rosemary Brook            | MA72-25    | Headwaters, outlet Rosemary Lake, Needham to confluence with the Charles River, Wellesley.                                                            | 3.266   | MILES | 4A       |
| Sandy Pond                | MA72105    | Lincoln                                                                                                                                               | 157.108 | ACRES | 3        |
| Sawmill Brook             | MA72-23    | Headwaters, Newton to confluence with Charles River, Boston.                                                                                          | 2.397   | MILES | 5        |
| Scarboro Golf Course Pond | MA72107    | Boston                                                                                                                                                | 6.107   | ACRES | 4C       |
| South End Pond            | MA72109    | Millis                                                                                                                                                | 29.525  | ACRES | 3        |
| South Meadow Brook        | MA72-24    | From emergence west of Parker Street, Newton to confluence with the Charles River, Newton (sections culverted).                                       | 1.706   | MILES | 4A       |
| Stony Brook               | MA72-26    | Headwaters, outlet Beaver Pond, Lincoln to inlet Stony Brook Reservoir, Waltham/Weston.                                                               | 5.122   | MILES | 2        |
| Stony Brook               | MA72-37    | Outlet Turtle Pond, Boston to culvert entrance, Boston.                                                                                               | 1.62    | MILES | 3        |
| Stony Brook Reservoir     | MA72114    | Waltham/Weston                                                                                                                                        | 63.58   | ACRES | 3        |
| Stop River                | MA72-09    | Headwaters near Dedham Street (Route 1A), Wrentham to Norfolk-Walpole MCI discharge, Norfolk (through Highland Lake formerly segment MA72047).        | 5.566   | MILES | 5        |
| Stop River                | MA72-10    | Norfolk-Walpole MCI discharge, Norfolk to confluence with Charles River, Medfield.                                                                    | 4.168   | MILES | 5        |
| Todd Pond                 | MA72117    | Lincoln                                                                                                                                               | 9.257   | ACRES | 3        |
| Trout Brook               | MA72-19    | Headwaters, outlet Channings Pond, Dover to confluence with Charles River, Dover.                                                                     | 2.772   | MILES | 5        |
| Uncas Pond                | MA72122    | Franklin                                                                                                                                              | 17.3    | ACRES | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                                                       | SIZE   | UNITS | CATEGORY |
|------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------|
| Unnamed Tributary      | MA72-27    | Headwaters, outlet Stony Brook Reservoir, Waltham/Weston to confluence with the Charles River, Waltham/Weston.                                                    | 0.191  | MILES | 4C       |
| Unnamed Tributary      | MA72-30    | Locally known as Laundry Brook - emerges north of California Street, Watertown to the confluence with the Charles River, Watertown.                               | 0.023  | MILES | 5        |
| Unnamed Tributary      | MA72-31    | Locally known as "Millers River" - from emergence near Route 93, Cambridge/Boston to the confluence with the Charles River, Cambridge.                            | 0.207  | MILES | 5        |
| Unnamed Tributary      | MA72-32    | Locally known as Sawins Brook - emerges east of Elm Street, Watertown to confluence with the Charles River, Watertown (sections culverted).                       | 0.539  | MILES | 4A       |
| Waban Brook            | MA72-17    | Headwaters, outlet Lake Waban, Wellesley to confluence with the Charles River, Wellesley.                                                                         | 0.717  | MILES | 5        |
| Walker Pond            | MA72126    | Millis                                                                                                                                                            | 9.008  | ACRES | 3        |
| Waseeka Sanctuary Pond | MA72155    | Holliston                                                                                                                                                         | 17.053 | ACRES | 3        |
| Weld Pond              | MA72131    | Dedham                                                                                                                                                            | 26.786 | ACRES | 2        |
| Weston Reservoir       | MA72134    | Weston                                                                                                                                                            | 58.655 | ACRES | 3        |
| Weston Station Pond    | MA72135    | Weston                                                                                                                                                            | 37.666 | ACRES | 3        |
| <b>Chicopee</b>        |            |                                                                                                                                                                   |        |       |          |
| Abbey Brook            | MA36-40    | Headwaters west of Saint James Avenue, Springfield through Bemis Pond (formerly reported as segment MA36011) to the confluence with the Chicopee River, Chicopee. | 1.5    | MILES | 5        |
| Adams Pond             | MA36001    | Oakham                                                                                                                                                            | 30     | ACRES | 3        |
| Alden Pond             | MA36003    | Ludlow                                                                                                                                                            | 4      | ACRES | 5        |
| Asnacomet Pond         | MA36005    | Hubbardston                                                                                                                                                       | 126    | ACRES | 3        |
| Atherton Brook         | MA36-30    | Headwaters at confluence of Town Farm and Osgood Brooks, Shutesbury to mouth at Quabbin Reservoir, Pelham.                                                        | 1.9    | MILES | 2        |
| Beaver Lake            | MA36010    | Ware                                                                                                                                                              | 150    | ACRES | 4C       |
| Bemis Road Pond        | MA36012    | Hubbardston                                                                                                                                                       | 16     | ACRES | 3        |
| Bennett Street Pond    | MA36014    | Palmer                                                                                                                                                            | 6      | ACRES | 3        |
| Bickford Pond          | MA36015    | Hubbardston/Princeton                                                                                                                                             | 163    | ACRES | 3        |
| Brigham Pond           | MA36020    | Hubbardston                                                                                                                                                       | 45     | ACRES | 3        |
| Brookhaven Lake        | MA36021    | West Brookfield                                                                                                                                                   | 34     | ACRES | 5        |
| Brooks Pond            | MA36022    | Petersham                                                                                                                                                         | 86     | ACRES | 3        |
| Brooks Pond            | MA36023    | N.Brookfield/New Braintree/Spencer/Oakham                                                                                                                         | 179    | ACRES | 4C       |
| Browning Pond          | MA36025    | Oakham/Spencer                                                                                                                                                    | 106    | ACRES | 5        |
| Burnshirt River        | MA36-37    | Headwaters - Outlet Stone Bridge Pond, Templeton/Phillipston to confluence with Canesto Brook, Barre. (through Williamsville Pond formerly segment MA36167)       | 8.6    | MILES | 2        |
| Cadwell Creek          | MA36-29    | Headwaters east of Route 202 and northwest of Dodge Hill, Pelham to mouth at Quabbin Reservoir, Belchertown.                                                      | 3.2    | MILES | 2        |
| Calkins Brook          | MA36-26    | Headwaters, southeast of Baptist Hill, Palmer to confluence with Twelvemile Brook, Wilbraham.                                                                     | 2.7    | MILES | 3        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                 | SIZE | UNITS | CATEGORY |
|-------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Canesto Brook           | MA36-36    | Headwaters northwest of Hubbardston State Forest near Hubbardston/Templeton town line to confluence with Ware River, Barre.                                                                                 | 7.3  | MILES | 2        |
| Carter Pond             | MA36029    | Petersham                                                                                                                                                                                                   | 44   | ACRES | 3        |
| Chicopee Brook          | MA36-21    | Headwaters, east of Peaked Mountain, Monson (through Chicopee Brook Pond, formerly segment MA36031) to confluence with Quaboag River, Monson.                                                               | 9.9  | MILES | 3        |
| Chicopee Reservoir      | MA36033    | Chicopee                                                                                                                                                                                                    | 22   | ACRES | 3        |
| Chicopee River          | MA36-22    | Source, confluence of Ware River and Quaboag River, Palmer (through Red Bridge Impoundment formerly segment MA36171) to Red Bridge Impoundment Dam, Wilbraham/Ludlow.                                       | 2.8  | MILES | 5        |
| Chicopee River          | MA36-23    | Red Bridge Impoundment Dam, Wilbraham/Ludlow to Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow.                                                                                                     | 3.8  | MILES | 2        |
| Chicopee River          | MA36-24    | Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow to Chicopee Falls Dam, Chicopee.                                                                                                                     | 9.1  | MILES | 5        |
| Chicopee River          | MA36-25    | Chicopee Falls Dam, Chicopee to confluence with Connecticut River, Chicopee.                                                                                                                                | 3    | MILES | 5        |
| Cloverdale Street Pond  | MA36036    | Rutland                                                                                                                                                                                                     | 19   | ACRES | 3        |
| Comins Pond             | MA36037    | Warren                                                                                                                                                                                                      | 26   | ACRES | 3        |
| Conant Brook Reservoir  | MA36038    | Monson                                                                                                                                                                                                      | 4    | ACRES | 2        |
| Cooley Brook            | MA36-38    | From the outlet of Chicopee Reservoir, Chicopee to the confluence with the Chicopee River, Chicopee. (segment includes "braid" that conflues with the Chicopee River upstream of the mouth of Cooley Brook) | 1.2  | MILES | 2        |
| Cranberry Meadow Pond   | MA36040    | Spencer/Charlton                                                                                                                                                                                            | 69   | ACRES | 3        |
| Cranberry River         | MA36-20    | Source, outlet Cranberry Meadow Pond, Spencer to confluence with Sevenmile River, Spencer. (through Howe Pond formerly segment MA36073)                                                                     | 3.6  | MILES | 2        |
| Crystal Lake            | MA36043    | Palmer                                                                                                                                                                                                      | 16   | ACRES | 3        |
| Cunningham Pond         | MA36044    | Hubbardston                                                                                                                                                                                                 | 27   | ACRES | 3        |
| Cusky Pond              | MA36045    | New Braintree                                                                                                                                                                                               | 28   | ACRES | 3        |
| Dean Pond               | MA36049    | Brimfield/Monson                                                                                                                                                                                            | 10   | ACRES | 4C       |
| Dean Pond               | MA36050    | Oakham                                                                                                                                                                                                      | 64   | ACRES | 5        |
| Demond Pond             | MA36051    | Rutland                                                                                                                                                                                                     | 120  | ACRES | 3        |
| Dimmock Pond            | MA36053    | Springfield                                                                                                                                                                                                 | 9    | ACRES | 3        |
| Doane Pond              | MA36054    | North Brookfield                                                                                                                                                                                            | 28   | ACRES | 5        |
| Dunn Brook              | MA36-19    | From confluence with Forget-Me-Not Brook, East Brookfield/Brookfield to confluence with Quaboag River, Brookfield.                                                                                          | 2.4  | MILES | 2        |
| Eames Pond              | MA36056    | Paxton                                                                                                                                                                                                      | 58   | ACRES | 5        |
| East Branch Swift River | MA36-35    | Headwaters at the confluence of Shattuck and Popple Camp Brooks, Phillipston to mouth at Pottapaug Pond, Petersham. (through Connor Pond formerly segment MA36039)                                          | 9.8  | MILES | 2        |
| East Branch Ware River  | MA36-01    | Outlet Bickford Pond, Hubbardston to confluence with the West Branch Ware River, Barre.                                                                                                                     | 12.4 | MILES | 5        |
| East Brookfield River   | MA36-13    | Outlet Lake Lashaway, East Brookfield to Quaboag Pond, East Brookfield.                                                                                                                                     | 2.4  | MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                        | SEGMENT ID | DESCRIPTION                                                                                                                                                                             | SIZE | UNITS | CATEGORY |
|-----------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Edson Pond                  | MA36180    | Rutland                                                                                                                                                                                 | 36   | ACRES | 3        |
| Fivemile Pond               | MA36061    | Springfield                                                                                                                                                                             | 36   | ACRES | 3        |
| Fivemile Pond South         | MA36182    | Springfield                                                                                                                                                                             | 4    | ACRES | 3        |
| Forest Lake                 | MA36063    | Palmer                                                                                                                                                                                  | 45   | ACRES | 4C       |
| Forget-Me-Not Brook         | MA36-18    | Headwaters, North Brookfield to North Brookfield WWTP discharge, North Brookfield.                                                                                                      | 1.7  | MILES | 2        |
| Forget-Me-Not Brook         | MA36-28    | North Brookfield WWTP discharge, North Brookfield to confluence with Dunn Brook, East Brookfield/Brookfield.                                                                            | 1.3  | MILES | 5        |
| Fuller Brook                | MA36-41    | From the Ludlow/Chicopee corporate boundary where the stream name changes from Higher Brook, to the confluence with the Chicopee River, Chicopee.                                       | 1.9  | MILES | 5        |
| Gaston Pond                 | MA36065    | Barre                                                                                                                                                                                   | 15   | ACRES | 3        |
| Hardwick Pond               | MA36066    | Hardwick                                                                                                                                                                                | 67   | ACRES | 4C       |
| Haviland Pond               | MA36069    | Ludlow                                                                                                                                                                                  | 25   | ACRES | 3        |
| Higher Brook                | MA36-42    | Headwaters south of Route 21, Ludlow through Harris Pond (formely reported as segment MA36067) to the Ludlow/Chicopee corporate boundary where the stream name changes to Fuller Brook. | 6.3  | MILES | 2        |
| Hop Brook                   | MA36-32    | Headwaters upstream of West Street, New Salem to mouth at Quabbin Reservoir, New Salem.                                                                                                 | 3.7  | MILES | 2        |
| Horse Pond                  | MA36072    | North Brookfield                                                                                                                                                                        | 63   | ACRES | 3        |
| Knights Pond                | MA36077    | Belchertown                                                                                                                                                                             | 36   | ACRES | 3        |
| Lake Lashaway               | MA36079    | North Brookfield/East Brookfield                                                                                                                                                        | 274  | ACRES | 4A       |
| Lake Lorraine               | MA36084    | Springfield                                                                                                                                                                             | 28   | ACRES | 4C       |
| Lake Whittemore             | MA36165    | Spencer                                                                                                                                                                                 | 52   | ACRES | 5        |
| Long Pond                   | MA36082    | Rutland                                                                                                                                                                                 | 167  | ACRES | 4C       |
| Long Pond                   | MA36083    | Springfield                                                                                                                                                                             | 14   | ACRES | 4A       |
| Lovewell Pond               | MA36085    | Hubbardston                                                                                                                                                                             | 82   | ACRES | 3        |
| Mare Meadow Reservoir       | MA36090    | Westminster/Hubbardston                                                                                                                                                                 | 240  | ACRES | 3        |
| Mare Meadow Reservoir North | MA36178    | Westminster                                                                                                                                                                             | 38   | ACRES | 3        |
| Middle Branch Swift River   | MA36-33    | Headwaters just north of Wendell and New Salem State Forests (south of the Swift River School), Wendell to mouth at Quabbin Reservoir, New Salem.                                       | 6.9  | MILES | 2        |
| Minechoag Pond              | MA36093    | Ludlow                                                                                                                                                                                  | 21   | ACRES | 4A       |
| Mona Lake                   | MA36094    | Springfield                                                                                                                                                                             | 11   | ACRES | 4A       |
| Moose Hill Reservoir        | MA36179    | Spencer/Leicester                                                                                                                                                                       | 52   | ACRES | 3        |
| Moosehorn Pond              | MA36097    | Hubbardston                                                                                                                                                                             | 67   | ACRES | 4C       |
| Moulton Pond                | MA36098    | Rutland                                                                                                                                                                                 | 65   | ACRES | 3        |
| Muddy Pond                  | MA36102    | Oakham/Rutland                                                                                                                                                                          | 23   | ACRES | 3        |
| Murphy Pond                 | MA36103    | Ludlow                                                                                                                                                                                  | 6    | ACRES | 3        |
| Old Reservoir               | MA36114    | Barre                                                                                                                                                                                   | 37   | ACRES | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                     | SIZE  | UNITS | CATEGORY |
|-----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------|
| Palmer Reservoir      | MA36115    | Palmer                                                                                                                                                                          | 8     | ACRES | 3        |
| Paradise Lake         | MA36116    | Monson                                                                                                                                                                          | 17    | ACRES | 3        |
| Pattaquattic Pond     | MA36117    | Palmer                                                                                                                                                                          | 18    | ACRES | 3        |
| Peppers Mill Pond     | MA36121    | Ware                                                                                                                                                                            | 11    | ACRES | 3        |
| Perry Hill Pond       | MA36122    | Hubbardston                                                                                                                                                                     | 23    | ACRES | 3        |
| Pottapaug Pond        | MA36125    | Petersham/Hardwick                                                                                                                                                              | 568   | ACRES | 4A       |
| Prince River          | MA36-08    | Source, outlet Hemingway Pond, Barre to confluence with Ware River, Barre (excluding approximately 0.6 miles through Old Reservoir, segment MA36114).                           | 7.1   | MILES | 3        |
| Quabbin Reservoir     | MA36129    | Petersham/Pelham/Ware/Hardwick/Shutesbury/Belchertown/New Salem                                                                                                                 | 24012 | ACRES | 4A       |
| Quaboag Pond          | MA36130    | Brookfield/East Brookfield                                                                                                                                                      | 544   | ACRES | 5        |
| Quaboag River         | MA36-14    | Outlet of Quaboag Pond, Brookfield to Route 67 bridge, West Brookfield.                                                                                                         | 6.1   | MILES | 2        |
| Quaboag River         | MA36-15    | Route 67 bridge, West Brookfield to Warren WWTP discharge, Warren.                                                                                                              | 6.3   | MILES | 2        |
| Quaboag River         | MA36-16    | Warren WWTP discharge, Warren to Route 32 bridge, Palmer/Monson.                                                                                                                | 8.7   | MILES | 5        |
| Quaboag River         | MA36-17    | Route 32 bridge, Palmer/Monson to confluence with Ware River forming headwaters of Chicopee River, Palmer.                                                                      | 5.3   | MILES | 5        |
| Quacumquasit Pond     | MA36131    | Brookfield/East Brookfield/Sturbridge                                                                                                                                           | 223   | ACRES | 4A       |
| Queen Lake            | MA36132    | Phillipston                                                                                                                                                                     | 139   | ACRES | 3        |
| Sevenmile River       | MA36-11    | Source, outlet Browning Pond, Spencer to confluence with Cranberry River, Spencer.                                                                                              | 7.3   | MILES | 2        |
| Sevenmile River       | MA36-12    | Confluence with Cranberry River, Spencer to confluence with East Brookfield River, East Brookfield.                                                                             | 2.5   | MILES | 2        |
| Shaw Pond             | MA36138    | Leicester                                                                                                                                                                       | 64    | ACRES | 3        |
| Spectacle Pond        | MA36142    | Wilbraham                                                                                                                                                                       | 9     | ACRES | 4A       |
| Springfield Reservoir | MA36145    | Ludlow                                                                                                                                                                          | 393   | ACRES | 3        |
| Stone Bridge Pond     | MA36148    | Templeton                                                                                                                                                                       | 32    | ACRES | 3        |
| Sugden Reservoir      | MA36150    | Spencer                                                                                                                                                                         | 85    | ACRES | 4A       |
| Swift River           | MA36-09    | Winsor Dam, Belchertown to Upper Bondsville Mill Dam, Belchertown/Palmer.                                                                                                       | 5.6   | MILES | 2        |
| Swift River           | MA36-10    | Upper Bondsville Mill Dam, Belchertown/Palmer to confluence with Ware River, Palmer.                                                                                            | 3.9   | MILES | 2        |
| Thayer Pond           | MA36181    | Rutland                                                                                                                                                                         | 46    | ACRES | 3        |
| Thompson Lake         | MA36154    | Palmer                                                                                                                                                                          | 34    | ACRES | 3        |
| Thompsons Pond        | MA36155    | Spencer                                                                                                                                                                         | 116   | ACRES | 3        |
| Town Barn Beaver Pond | MA36156    | Petersham                                                                                                                                                                       | 20    | ACRES | 3        |
| Turkey Hill Pond      | MA36157    | Rutland/Paxton                                                                                                                                                                  | 90    | ACRES | 4C       |
| Unnamed Tributary     | MA36-39    | Unnamed tributary to the Chicopee River locally known as "Poor Brook" from headwaters near the Conrail tracks, Springfield to the confluence with the Chicopee River, Chicopee. | 2.2   | MILES | 5        |
| Waite Pond            | MA36161    | Hubbardston                                                                                                                                                                     | 34    | ACRES | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                     | SIZE    | UNITS | CATEGORY |
|-------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Ware River              | MA36-03    | MDC intake, Barre to dam at South Barre Reservoir, Barre. (through former segments Powder Mill Pond MA36126 and South Barre Reservoir MA36141)                  | 2.1     | MILES | 5        |
| Ware River              | MA36-04    | Dam at South Barre Reservoir, Barre to Wheelwright Dam, New Braintree/Hardwick.                                                                                 | 4.9     | MILES | 2        |
| Ware River              | MA36-05    | Wheelwright Dam, New Braintree/Hardwick to Ware Dam, Ware.                                                                                                      | 11.5    | MILES | 5        |
| Ware River              | MA36-06    | Ware Dam, Ware to Thorndike Dam, Palmer.                                                                                                                        | 10.1    | MILES | 5        |
| Ware River              | MA36-07    | Thorndike Dam, Palmer to confluence with Quaboag River, forming headwaters Chicopee River, Palmer.                                                              | 2.5     | MILES | 2        |
| Ware River              | MA36-27    | Confluence of East Branch Ware and West Branch Ware rivers, Barre to MDC intake, Barre.                                                                         | 4.9     | MILES | 5        |
| West Branch Fever Brook | MA36-34    | Headwaters just north (upstream) of Route 122, Petersham to mouth at Quabbin Reservoir, Petersham.                                                              | 3.4     | MILES | 2        |
| West Branch Swift River | MA36-31    | Headwaters - Outlet of small unnamed impoundment east of Cooleyville Road in Wendell State Forest, Wendell to mouth at Quabbin Reservoir, Shutesbury/New Salem. | 6.3     | MILES | 2        |
| West Branch Ware River  | MA36-02    | Outlet Brigham Pond, Hubbardston to confluence with the East Branch Ware River, Barre.                                                                          | 4.5     | MILES | 2        |
| Wickaboag Pond          | MA36166    | West Brookfield                                                                                                                                                 | 315     | ACRES | 4A       |
| <b>Concord (SuAsCo)</b> |            |                                                                                                                                                                 |         |       |          |
| Ashland Reservoir       | MA82003    | Ashland                                                                                                                                                         | 167.961 | ACRES | 4A       |
| Assabet Brook           | MA82B-17   | Headwaters, outlet of Fletchers Pond, Stow to the confluence with the Assabet River, Stow.                                                                      | 1.982   | MILES | 2        |
| Assabet River           | MA82B-01   | Outlet of the Assabet River Reservoir, Westborough to the Westborough WWTP discharge, Westborough.                                                              | 1.249   | MILES | 5        |
| Assabet River           | MA82B-02   | From the Westborough WWTP discharge, Westborough to the Route 20 Dam, Northborough.                                                                             | 3.802   | MILES | 5        |
| Assabet River           | MA82B-03   | From the Route 20 Dam, Northborough to the Marlborough West WWTP discharge, Marlborough.                                                                        | 2.439   | MILES | 5        |
| Assabet River           | MA82B-04   | From the Marlborough West WWTP discharge, Marlborough to the Hudson WWTP discharge, Hudson.                                                                     | 8.017   | MILES | 5        |
| Assabet River           | MA82B-05   | From the Hudson WWTP discharge, Hudson to the USGS gage at Routes 27/62, Maynard.                                                                               | 8.197   | MILES | 5        |
| Assabet River           | MA82B-06   | From the USGS gage at Routes 27/62, Maynard to the Powdermill Dam, Acton.                                                                                       | 1.22    | MILES | 5        |
| Assabet River           | MA82B-07   | From the Powdermill Dam, Acton to the confluence with the Sudbury River, Concord.                                                                               | 6.402   | MILES | 5        |
| Assabet River Reservoir | MA82004    | Westborough                                                                                                                                                     | 338.14  | ACRES | 5        |
| Bartlett Pond           | MA82007    | Northborough                                                                                                                                                    | 51.815  | ACRES | 4C       |
| Batemans Pond           | MA82008    | Concord                                                                                                                                                         | 25.69   | ACRES | 4C       |
| Boons Pond              | MA82011    | Stow/Hudson                                                                                                                                                     | 173.442 | ACRES | 4A       |
| Carding Mill Pond       | MA82015    | Sudbury                                                                                                                                                         | 40.466  | ACRES | 5        |
| Cedar Swamp Pond        | MA82016    | Westborough                                                                                                                                                     | 16.579  | ACRES | 3        |
| Chauncy Lake            | MA82017    | Westborough                                                                                                                                                     | 173.313 | ACRES | 4C       |
| Clamshell Pond          | MA82018    | Clinton                                                                                                                                                         | 24.326  | ACRES | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                  | SIZE    | UNITS | CATEGORY |
|-------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Cold Harbor Brook       | MA82B-18   | Headwaters, outlet of Rocky Pond, Boylston to confluence with Howard Brook, Northborough.                                                    | 6.061   | MILES | 2        |
| Concord River           | MA82A-07   | From the confluence of the Assabet and Sudbury rivers, Concord to the Billerica Water Supply intake, Billerica.                              | 10.394  | MILES | 5        |
| Concord River           | MA82A-08   | From the Billerica Water Supply intake, Billerica to Rogers Street bridge, Lowell.                                                           | 5.073   | MILES | 5        |
| Concord River           | MA82A-09   | From the Rogers Street bridge, Lowell to the confluence with the Merrimack River, Lowell.                                                    | 0.899   | MILES | 5        |
| Danforth Brook          | MA82B-19   | Headwaters at the confluence of Mill Brook and an unnamed tributary draining from Little Pond, Bolton to the inlet of Bruces Pond, Hudson.   | 2.366   | MILES | 2        |
| Denny Brook             | MA82A-27   | From outlet of unnamed pond west of South Street, Westborough to confluence with Jackstraw Brook, Westborough                                | 0.642   | MILES | 3        |
| Dudley Pond             | MA82029    | Wayland                                                                                                                                      | 83.173  | ACRES | 5        |
| Eames Brook             | MA82A-13   | From the outlet of Farm Pond, Framingham to the confluence with the Sudbury River, Framingham.                                               | 0.566   | MILES | 5        |
| Elizabeth Brook         | MA82B-12   | From the outlet of an unnamed pond (Delaney Project on Stow/Harvard border) west of Harvard Road, Stow to the inlet of Fletchers Pond, Stow. | 3.71    | MILES | 5        |
| Elm Street Pond         | MA82032    | Chelmsford/Carlisle                                                                                                                          | 65.646  | ACRES | 3        |
| Farm Pond               | MA82035    | Framingham                                                                                                                                   | 139.682 | ACRES | 5        |
| Farrar Pond             | MA82036    | Lincoln                                                                                                                                      | 83.012  | ACRES | 3        |
| Fisk Pond               | MA82038    | Natick                                                                                                                                       | 61.757  | ACRES | 4C       |
| Fiske Street Pond       | MA82037    | Carlisle/Chelmsford                                                                                                                          | 37.732  | ACRES | 3        |
| Fort Meadow Brook       | MA82B-11   | Outlet of Fort Meadow Reservoir, Marlborough/Hudson to confluence with Assabet River, Hudson.                                                | 2.718   | MILES | 2        |
| Fort Meadow Reservoir   | MA82042    | Marlborough/Hudson                                                                                                                           | 254     | ACRES | 5        |
| Fort Pond               | MA82043    | Littleton                                                                                                                                    | 101.823 | ACRES | 3        |
| Fort Pond Brook         | MA82B-13   | From source in a wetland just west of Fort Pond, Littleton to the inlet of Warners Pond, Concord.                                            | 10.239  | MILES | 3        |
| Framingham Reservoir #1 | MA82044    | Framingham                                                                                                                                   | 117.597 | ACRES | 5        |
| Framingham Reservoir #2 | MA82045    | Framingham/Ashland                                                                                                                           | 114.357 | ACRES | 5        |
| Framingham Reservoir #3 | MA82046    | Framingham                                                                                                                                   | 221.244 | ACRES | 4C       |
| Gates Pond              | MA82047    | Berlin                                                                                                                                       | 72.666  | ACRES | 3        |
| Gates Pond Brook        | MA82B-10   | From the outlet of Gates Pond, Berlin to the confluence with the Assabet River, Berlin.                                                      | 1.042   | MILES | 3        |
| Gleasons Pond           | MA82048    | Framingham                                                                                                                                   | 10.504  | ACRES | 3        |
| Great Meadows Pond #3   | MA82053    | Concord                                                                                                                                      | 53      | ACRES | 4C       |
| Grist Mill Pond         | MA82055    | Sudbury/Marlborough                                                                                                                          | 16.731  | ACRES | 5        |
| Hager Pond              | MA82056    | Marlborough                                                                                                                                  | 29.917  | ACRES | 5        |
| Heard Pond              | MA82058    | Wayland                                                                                                                                      | 75.632  | ACRES | 5        |
| Heart Pond              | MA82059    | Chelmsford/Westford                                                                                                                          | 93.862  | ACRES | 5        |
| Hocomonco Pond          | MA82060    | Westborough                                                                                                                                  | 26.938  | ACRES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                         | SIZE    | UNITS | CATEGORY |
|---------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Hop Brook           | MA82A-05   | Outlet of Carding Mill Pond, Sudbury to confluence with Allowance Brook, Sudbury (Allowance Brook was identified as Landham Brook on USGS quads prior to 1987).                                                                                                                     | 6.717   | MILES | 5        |
| Hop Brook           | MA82A-06   | From the confluence of Allowance Brook, Sudbury to the confluence with the Sudbury River, Wayland (this segment was formerly identified as Wash Brook, Hop Brook appeared as Wash Brook and Allowance Brook was previously identified as Landham Brook on USGSquads prior to 1987). | 2.971   | MILES | 5        |
| Hop Brook           | MA82B-20   | From the outlet of Smith Pond, Northborough to the confluence with the Assabet River, Northborough.                                                                                                                                                                                 | 1.259   | MILES | 2        |
| Hopkinton Reservoir | MA82061    | Hopkinton/Ashland                                                                                                                                                                                                                                                                   | 161.09  | ACRES | 5        |
| Ice House Pond      | MA82066    | Acton                                                                                                                                                                                                                                                                               | 11.219  | ACRES | 3        |
| Indian Brook        | MA82A-23   | Headwaters, outlet of Icehouse Pond, Hopkinton to the inlet of Hopkinton Reservoir, Hopkinton (formerly part of segment MA82A-12).                                                                                                                                                  | 2.33    | MILES | 3        |
| Indian Brook        | MA82A-24   | Outlet of Hopkinton Reservoir, Ashland to the confluence with the Sudbury River, Ashland (formerly part of segment MA82A-12).                                                                                                                                                       | 1.702   | MILES | 2        |
| Jackstraw Brook     | MA82A-28   | From headwaters west of Upton Road, Westborough to inlet of Cedar Swamp Pond, Westborough                                                                                                                                                                                           | 1.919   | MILES | 3        |
| Lake Cochituate     | MA82020    | [North Basin] Natick/Framingham/Wayland                                                                                                                                                                                                                                             | 195.59  | ACRES | 5        |
| Lake Cochituate     | MA82125    | [Middle Basin] Natick/Wayland                                                                                                                                                                                                                                                       | 134.528 | ACRES | 5        |
| Lake Cochituate     | MA82126    | [Carling Basin] Natick                                                                                                                                                                                                                                                              | 14.318  | ACRES | 5        |
| Lake Cochituate     | MA82127    | [South Basin] Natick                                                                                                                                                                                                                                                                | 239.605 | ACRES | 5        |
| Learned Pond        | MA82069    | Framingham                                                                                                                                                                                                                                                                          | 33.857  | ACRES | 3        |
| Little Chauncy Pond | MA82070    | Northborough                                                                                                                                                                                                                                                                        | 43.338  | ACRES | 4C       |
| Long Pond           | MA82072    | Littleton                                                                                                                                                                                                                                                                           | 101.744 | ACRES | 5        |
| Meadow Pond         | MA82129    | Carlisle                                                                                                                                                                                                                                                                            | 12.354  | ACRES | 4C       |
| Milham Reservoir    | MA82077    | Marlborough                                                                                                                                                                                                                                                                         | 66.594  | ACRES | 3        |
| Mill Brook          | MA82A-20   | From the outlet of Crosby Pond, Concord to the confluence with the Concord River, Concord.                                                                                                                                                                                          | 2.694   | MILES | 4C       |
| Nagog Pond          | MA82082    | Littleton/Acton                                                                                                                                                                                                                                                                     | 277.719 | ACRES | 3        |
| Nashoba Brook       | MA82B-14   | From source just south of Route 110 in Westford to confluence with Fort Pond Brook, Concord.                                                                                                                                                                                        | 9.411   | MILES | 5        |
| North Brook         | MA82B-21   | Headwaters, east of Ballville Road and north of Wataquadock Hill Road, Bolton to the confluence with the Assabet River, Berlin.                                                                                                                                                     | 7.763   | MILES | 2        |
| North Great Meadows | MA82084    | Concord                                                                                                                                                                                                                                                                             | 73.479  | ACRES | 4C       |
| Nutting Lake        | MA82088    | [East Basin] Billerica                                                                                                                                                                                                                                                              | 30.481  | ACRES | 5        |
| Nutting Lake        | MA82124    | [West Basin] Billerica                                                                                                                                                                                                                                                              | 51.408  | ACRES | 4A       |
| Pantry Brook        | MA82A-19   | From source west of Haynes Road, Sudbury to the confluence with the Sudbury River, Sudbury.                                                                                                                                                                                         | 3.226   | MILES | 5        |
| Piccadilly Brook    | MA82A-30   | From headwaters, outlet of Westboro Reservoir, Westborough to inlet to Cedar Swamp Pond, Westborough                                                                                                                                                                                | 2.032   | MILES | 3        |
| Pine Brook          | MA82A-14   | From source south of Route 20, just east of the Weston/Wayland border to the confluence with the Sudbury River, Wayland.                                                                                                                                                            | 2.485   | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                               | SIZE     | UNITS | CATEGORY |
|-----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Puffers Pond          | MA82092    | Maynard/Sudbury                                                                                                                                                                           | 28.441   | ACRES | 5        |
| River Meadow Brook    | MA82A-10   | From the outlet of Russell Mill Pond, Chelmsford to the confluence with the Concord River, Lowell.                                                                                        | 6.415    | MILES | 5        |
| Rocky Pond            | MA82095    | Boylston                                                                                                                                                                                  | 61.83    | ACRES | 4C       |
| Russell Millpond      | MA82096    | Chelmsford                                                                                                                                                                                | 32.9     | ACRES | 4C       |
| Rutters Brook         | MA82A-29   | From headwaters near Robin Road, Westborough to confluence with Jackstraw Brook, Westborough                                                                                              | 1.968    | MILES | 3        |
| Saxonville Pond       | MA82097    | Framingham                                                                                                                                                                                | 58.818   | ACRES | 5        |
| Second Division Brook | MA82B-09   | From the headwaters at the outlet of small unnamed pond north of Waltham Street, Maynard to the confluence with the Assabet River, Concord.                                               | 2.909    | MILES | 3        |
| Smith Pond            | MA82099    | Northborough                                                                                                                                                                              | 15.553   | ACRES | 3        |
| Solomon Pond          | MA82100    | Northborough                                                                                                                                                                              | 21.242   | ACRES | 3        |
| Spencer Brook         | MA82B-15   | From the outlet of an unnamed pond north of Bellows Hill, Carlisle to the inlet of Angiers Pond, Concord.                                                                                 | 3.794    | MILES | 3        |
| Stearns Mill Pond     | MA82104    | Sudbury                                                                                                                                                                                   | 19.079   | ACRES | 5        |
| Sudbury Reservoir     | MA82106    | Southborough/Marlborough                                                                                                                                                                  | 1177.986 | ACRES | 4A       |
| Sudbury River         | MA82A-01   | From the source at the outlet of Cedar Swamp Pond, Westborough to the Fruit Street Bridge, Hopkinton/Westborough.                                                                         | 1.895    | MILES | 3        |
| Sudbury River         | MA82A-03   | Outlet Saxonville Pond, Framingham to confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland.                       | 5.547    | MILES | 5        |
| Sudbury River         | MA82A-04   | Confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland to confluence with Assabet River, Concord.                   | 11.693   | MILES | 5        |
| Sudbury River         | MA82A-25   | From the Fruit Street bridge Hopkinton/Westborough to the inlet of Framingham Reservoir #2, Ashland (formerly part of segment MA82A-02).                                                  | 6.295    | MILES | 5        |
| Sudbury River         | MA82A-26   | From the outlet of Framingham Reservoir #1, Framingham to the inlet of Saxonville Pond, Framingham (formerly part of segment MA82A-02).                                                   | 2.764    | MILES | 5        |
| Taylor Brook          | MA82B-08   | From the outlet of Puffer Pond, Maynard to the confluence with the Assabet River, Maynard.                                                                                                | 1.770802 | MILES | 2        |
| Tripp Pond            | MA82107    | Hudson                                                                                                                                                                                    | 3.501    | ACRES | 3        |
| Unnamed Tributary     | MA82A-15   | From the source northeast of Indian Head Hill (near Route 20), Marlborough to the inlet of Hager Pond, Marlborough.                                                                       | 1.056231 | MILES | 5        |
| Unnamed Tributary     | MA82A-16   | From the outlet of Hager Pond, Marlborough to the inlet of Grist Mill Pond, Marlborough.                                                                                                  | 0.165    | MILES | 5        |
| Unnamed Tributary     | MA82A-17   | From the outlet of Grist Mill Pond, Sudbury to the inlet of Carding Mill Pond, Sudbury.                                                                                                   | 0.519    | MILES | 5        |
| Unnamed Tributary     | MA82A-21   | From the outlet of Heart Pond, Chelmsford to the inlet of Russell Millpond, Chelmsford.                                                                                                   | 4.113    | MILES | 2        |
| Unnamed Tributary     | MA82A-22   | Unnamed tributary to the Sudbury River locally known as Cochituate Brook, from the outlet of the north basin of Lake Cochituate, Framingham to confluence with Sudbury River, Framingham. | 1.352    | MILES | 5        |
| Unnamed Tributary     | MA82B-16   | From the outlet of Angiers Pond, Concord to confluence with the Assabet River, Concord (this segment is locally known as part of Spencer Brook).                                          | 0.486    | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                     | SIZE    | UNITS | CATEGORY |
|-----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Walden Pond           | MA82109    | Concord                                                                                                                                                                         | 62.946  | ACRES | 4A       |
| Warners Pond          | MA82110    | Concord                                                                                                                                                                         | 59.338  | ACRES | 4A       |
| Waushakum Pond        | MA82112    | Framingham/Ashland                                                                                                                                                              | 87.195  | ACRES | 5        |
| West Pond             | MA82115    | Bolton                                                                                                                                                                          | 18.986  | ACRES | 2        |
| Westborough Reservoir | MA82114    | Westborough                                                                                                                                                                     | 41.007  | ACRES | 3        |
| White Pond            | MA82118    | Concord                                                                                                                                                                         | 36.112  | ACRES | 3        |
| White Pond            | MA82119    | Hudson/Stow                                                                                                                                                                     | 48.837  | ACRES | 3        |
| Whitehall Brook       | MA82A-11   | From the outlet of Whitehall Reservoir, Hopkinton to confluence with the Sudbury River, Westborough.                                                                            | 3.485   | MILES | 3        |
| Whitehall Reservoir   | MA82120    | Hopkinton                                                                                                                                                                       | 559.601 | ACRES | 5        |
| Williams Lake         | MA82121    | Marlborough                                                                                                                                                                     | 69.316  | ACRES | 3        |
| Willis Pond           | MA82122    | Sudbury                                                                                                                                                                         | 67.329  | ACRES | 2        |
| Winning Pond          | MA82123    | Billerica                                                                                                                                                                       | 22.216  | ACRES | 4C       |
| <b>Connecticut</b>    |            |                                                                                                                                                                                 |         |       |          |
| Amethyst Brook        | MA34-35    | Headwaters, confluence of Buffum and Harris brooks, Pelham to the confluence with Adams River (forming the headwaters of Fort River), Amherst.                                  | 2.143   | MILES | 2        |
| Arcadia Lake          | MA34005    | Belchertown                                                                                                                                                                     | 32.314  | ACRES | 5        |
| Atkins Reservoir      | MA34006    | Shutesbury                                                                                                                                                                      | 46.468  | ACRES | 3        |
| Bachelor Brook        | MA34-07    | Outlet Forge Pond, Granby to confluence with Connecticut River, South Hadley (through former segments Aldrich Lake [East Basin] MA34002 and Aldrich Lake [West Basin] MA34106). | 11.606  | MILES | 4A       |
| Barton Cove           | MA34122    | (CT River) Gill                                                                                                                                                                 | 159.684 | ACRES | 5        |
| Bloody Brook          | MA34-36    | From the railroad tracks north of North Main Street, Deerfield to the confluence with Mill River, Whately.                                                                      | 3.679   | MILES | 5        |
| Brickyard Brook       | MA34-13    | Headwaters, Westfield to confluence with Manhan River, Westfield.                                                                                                               | 1.616   | MILES | 3        |
| Broad Brook           | MA34-18    | Headwaters, Holyoke to inlet Nashawannuck Pond, Easthampton.                                                                                                                    | 9.285   | MILES | 2        |
| Buttery Brook         | MA34-42    | Headwaters (perennial portion), west of Haig Avenue, South Hadley to the confluence with the Connecticut River, South Hadley (interrupted urban, portions culverted).           | 1.6     | MILES | 5        |
| Connecticut River     | MA34-01    | New Hampshire/Vermont/Massachusetts state line to Route 10 bridge, Northfield.                                                                                                  | 3.48    | MILES | 5        |
| Connecticut River     | MA34-02    | Route 10 bridge, Northfield to Turners Falls Dam, Gill/Montague.                                                                                                                | 11.213  | MILES | 5        |
| Connecticut River     | MA34-03    | Turners Falls Dam, Gil/Montague to confluence with Deerfield River, Greenfield/Montague/Deerfield.                                                                              | 3.604   | MILES | 5        |
| Connecticut River     | MA34-04    | Confluence with Deerfield River, Greenfield/Montague/Deerfield to Holyoke Dam, Holyoke/South Hadley.                                                                            | 34.372  | MILES | 5        |
| Connecticut River     | MA34-05    | Holyoke Dam, Holyoke/South Hadley to Massachusetts/Connecticut border.                                                                                                          | 15.853  | MILES | 5        |
| Cooley Brook          | MA34-20    | Headwaters, Longmeadow to confluence with Connecticut River, Longmeadow.                                                                                                        | 1.44    | MILES | 3        |
| Cranberry Pond        | MA34018    | Sunderland                                                                                                                                                                      | 28.146  | ACRES | 4C       |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                    | SIZE    | UNITS | CATEGORY |
|--------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Cushman Brook            | MA34-34    | Headwaters, outlet Atkins Reservoir, Shutesbury to the inlet of Factory Hollow Pond, Amherst.                                                                  | 2.462   | MILES | 2        |
| Danks Pond               | MA34019    | Northampton/Easthampton                                                                                                                                        | 2.796   | ACRES | 3        |
| East Branch Mill River   | MA34-37    | Headwaters, confluence of Bradford Brook, Williamsburg to confluence with the West Branch Mill River (forming the headwaters of the Mill River), Williamsburg. | 2.753   | MILES | 2        |
| Factory Hollow Pond      | MA34021    | Amherst                                                                                                                                                        | 11.89   | ACRES | 3        |
| Fall River               | MA34-33    | Vermont/Massachusetts border, Bernardston to the confluence with the Connecticut River, Greenfield/Gill                                                        | 10.246  | MILES | 2        |
| Forge Pond               | MA34024    | Granby                                                                                                                                                         | 72.034  | ACRES | 5        |
| Fort River               | MA34-27    | Headwaters (confluence of Adams and Amethyst brooks, Amherst), to confluence Connecticut River, Hadley.                                                        | 12.812  | MILES | 5        |
| Green Pond               | MA34028    | Montague                                                                                                                                                       | 14.727  | ACRES | 3        |
| Ingraham Brook Pond      | MA34037    | Granby                                                                                                                                                         | 4.623   | ACRES | 4C       |
| Lake Bray                | MA34013    | Holyoke                                                                                                                                                        | 10.301  | ACRES | 4C       |
| Lake Holland             | MA34035    | Belchertown                                                                                                                                                    | 10.552  | ACRES | 4C       |
| Lake Lookout             | MA34044    | Springfield                                                                                                                                                    | 6.644   | ACRES | 5        |
| Lake Pleasant            | MA34070    | Montague                                                                                                                                                       | 54.006  | ACRES | 3        |
| Lake Warner              | MA34098    | Hadley                                                                                                                                                         | 65.132  | ACRES | 4A       |
| Lake Wyola               | MA34103    | Shutesbury                                                                                                                                                     | 126.119 | ACRES | 4A       |
| Lampson Brook            | MA34-06    | Belchertown WWTP discharge, Belchertown to confluence with Weston Brook, Belchertown.                                                                          | 1.158   | MILES | 5        |
| Leaping Well Reservoir   | MA34040    | South Hadley                                                                                                                                                   | 8.806   | ACRES | 5        |
| Leverett Pond            | MA34042    | Leverett                                                                                                                                                       | 90.709  | ACRES | 4A       |
| Log Pond Cove            | MA34124    | Holyoke                                                                                                                                                        | 19.205  | ACRES | 5        |
| Long Plain Brook         | MA34-09    | Headwaters, Leveret/Sunderland town line (in Mt. Toby State Forest) to confluence with Russellville Brook at Route 116, Sunderland.                            | 5.012   | MILES | 3        |
| Longmeadow Brook         | MA34-21    | Headwaters, outlet Turner Park Pond, Longmeadow to confluence with Connecticut River, Longmeadow.                                                              | 4.454   | MILES | 3        |
| Loon Pond                | MA34045    | Springfield                                                                                                                                                    | 25.104  | ACRES | 4A       |
| Lower Highland Lake      | MA34047    | Goshen                                                                                                                                                         | 90.731  | ACRES | 3        |
| Lower Mill Pond          | MA34048    | Easthampton                                                                                                                                                    | 29.641  | ACRES | 4C       |
| Lower Van Horn Park Pond | MA34129    | Springfield                                                                                                                                                    | 11.13   | ACRES | 4C       |
| Manhan River             | MA34-10    | Headwaters, northeast of Norwich Pond, Huntington to inlet Tighe Carmody Reservoir, Southamptn (thru White Reservoir formerly segment MA34100).                | 6.551   | MILES | 3        |
| Manhan River             | MA34-11    | Outlet Tighe Carmody Reservoir, Southamptn to confluence with Connecticut River, Easthampton.                                                                  | 19.168  | MILES | 5        |
| Metacomet Lake           | MA34051    | Belchertown                                                                                                                                                    | 50.525  | ACRES | 5        |
| Mill Pond                | MA34052    | Springfield                                                                                                                                                    | 13.241  | ACRES | 5        |
| Mill River               | MA34-24    | Headwaters east of Fisher Hill, Conway to confluence with the Connecticut River, Hatfield.                                                                     | 24.63   | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                     | SIZE    | UNITS | CATEGORY |
|-------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Mill River                    | MA34-25    | Headwaters, outlet Factory Hollow Pond, Amherst to inlet Lake Warner, Hadley.                                                                                                                                                   | 5.228   | MILES | 5        |
| Mill River                    | MA34-28    | Headwaters (confluence of East and West Branch Mill River, Williamsburg), to outlet Paradise Pond, Northampton.                                                                                                                 | 9.979   | MILES | 5        |
| Mill River                    | MA34-29    | Headwaters, outlet Watersheds Pond, Springfield to confluence with Connecticut River, Springfield. (Interrupted stream)                                                                                                         | 1.294   | MILES | 5        |
| Mill River Diversion          | MA34-32    | Headwaters, outlet Paradise Pond to confluence with Oxbow (east of Old Springfield Road), Northampton (thru Hulberts Pond formerly segment MA34036).                                                                            | 2.538   | MILES | 3        |
| Moose Brook                   | MA34-17    | Headwaters, Southampton to confluence with Manhan River, Southampton.                                                                                                                                                           | 2.627   | MILES | 2        |
| Mountain Street Reservoir     | MA34056    | Williamsburg/Hatfield/Whately                                                                                                                                                                                                   | 66.673  | ACRES | 3        |
| Nashawannuck Pond             | MA34057    | Easthampton                                                                                                                                                                                                                     | 30.068  | ACRES | 5        |
| Nine Mile Pond                | MA34127    | Wilbraham (PALIS/Segment changed from 36107 to 34127, TRD 6/21/02)                                                                                                                                                              | 32.531  | ACRES | 3        |
| Noonan Cove                   | MA34058    | Springfield                                                                                                                                                                                                                     | 2.712   | ACRES | 5        |
| Northampton Reservoir         | MA34059    | Whately                                                                                                                                                                                                                         | 80.365  | ACRES | 3        |
| Northfield Mountain Reservoir | MA34061    | Erving                                                                                                                                                                                                                          | 237.269 | ACRES | 3        |
| Oxbow                         | MA34066    | The waterbody west of Route 91 (bounded on the northeast by Route 91, the southeast by the Manhan River, and the west by Old Springfield Road), Northampton/Easthampton (excluding the delineated segment; Danks Pond MA34019). | 148.057 | ACRES | 5        |
| Oxbow Cutoff                  | MA34067    | The waterbody north of Island Road and south of Oxbow Road (between Routes 91 and 5), Northampton.                                                                                                                              | 48.805  | ACRES | 4C       |
| Pine Island Lake              | MA34069    | Westhampton                                                                                                                                                                                                                     | 55.096  | ACRES | 3        |
| Plympton Brook Pond           | MA34071    | Wendell                                                                                                                                                                                                                         | 4.894   | ACRES | 3        |
| Porter Lake                   | MA34073    | Springfield                                                                                                                                                                                                                     | 27.931  | ACRES | 5        |
| Porter Lake West              | MA34072    | Springfield                                                                                                                                                                                                                     | 5.036   | ACRES | 5        |
| Potash Brook                  | MA34-12    | Headwaters to confluence with Manhan River, Southampton.                                                                                                                                                                        | 0.96    | MILES | 3        |
| Raspberry Brook               | MA34-22    | From Massachusetts/Connecticut border to confluence with Connecticut River, Longmeadow.                                                                                                                                         | 1.794   | MILES | 3        |
| Roberts Meadow Reservoir      | MA34076    | Northampton                                                                                                                                                                                                                     | 22.421  | ACRES | 3        |
| Sawmill River                 | MA34-40    | Headwaters, outlet Lake Wyola, Shutesbury to Dudleyville Road, Leverett (formerly part of MA34-26).                                                                                                                             | 2.032   | MILES | 3        |
| Sawmill River                 | MA34-41    | Dudleyville Road, Leverett to confluence with Connecticut River, Montague (formerly part of MA34-26).                                                                                                                           | 10.965  | MILES | 2        |
| Sawyer Ponds                  | MA34078    | [North Basin] Northfield                                                                                                                                                                                                        | 9.263   | ACRES | 3        |
| Sawyer Ponds                  | MA34079    | [South Basin] Northfield                                                                                                                                                                                                        | 12.41   | ACRES | 3        |
| Scantic River                 | MA34-30    | Massachusetts/Connecticut border, Monson downstream to the Massachusetts/Connecticut border, Hampden.                                                                                                                           | 9.599   | MILES | 2        |
| Silver Lake                   | MA34084    | Agawam                                                                                                                                                                                                                          | 8.696   | ACRES | 3        |
| Stony Brook                   | MA34-19    | Headwaters, Granby to confluence with Connecticut River, South Hadley (thru Upper Pond formerly segment MA34095 and Lower Pond formerly segment MA34049).                                                                       | 13.334  | MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                   | SIZE     | UNITS | CATEGORY |
|--------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Temple Brook             | MA34-08    | Headwaters, outlet Bradley Pond, Monson to confluence with Scantic River, Hampden.                                                                            | 3.724    | MILES | 2        |
| Tighe Carmody Reservoir  | MA34089    | Southampton                                                                                                                                                   | 353.401  | ACRES | 3        |
| Tripple Brook            | MA34-16    | Headwaters, Southampton to confluence with Manhan River, Southampton.                                                                                         | 1.016    | MILES | 2        |
| Unnamed Tributary        | MA34-31    | Headwater, outlet Lake Warner to confluence with Connecticut River, Hadley.                                                                                   | 0.531    | MILES | 3        |
| Upper Highland Lake      | MA34093    | Goshen                                                                                                                                                        | 51.244   | ACRES | 2        |
| Upper Van Horn Park Pond | MA34128    | Springfield (Changed from MA36158 to 34128 on 6/21/02, TRD)                                                                                                   | 8.261    | ACRES | 5        |
| Venture Pond             | MA34096    | Springfield                                                                                                                                                   | 6.516    | ACRES | 5        |
| Watershops Pond          | MA34099    | Springfield                                                                                                                                                   | 161.531  | ACRES | 5        |
| West Branch Mill River   | MA34-38    | East Street, Goshen to the confluence of Meekin Brook, Williamsburg.                                                                                          | 5.917    | MILES | 2        |
| West Branch Mill River   | MA34-39    | From the confluence of Meekin Brook, Williamsburg to the confluence with the East Branch Mill River (forming the headwaters of the Mill River), Williamsburg. | 0.641    | MILES | 2        |
| Weston Brook             | MA34-23    | Headwaters, Belchertown to inlet Forge Pond, Granby.                                                                                                          | 2.702    | MILES | 5        |
| White Brook              | MA34-14    | Headwaters, Easthampton to inlet Nashawannuck Pond, Easthampton.                                                                                              | 1.807    | MILES | 3        |
| Whiting Street Reservoir | MA34101    | Holyoke                                                                                                                                                       | 102.438  | ACRES | 4C       |
| Wilton Brook             | MA34-15    | Headwaters, Easthampton to outlet RubberThread Pond (formerly segment MA34105) , Easthampton.                                                                 | 1.132    | MILES | 5        |
| <b>Deerfield</b>         |            |                                                                                                                                                               |          |       |          |
| Ashfield Pond            | MA33001    | Ashfield                                                                                                                                                      | 38.041   | ACRES | 4A       |
| Bear River               | MA33-17    | Headwaters west of Barnes Road, Ashfield to confluence with Deerfield River, Conway.                                                                          | 6.926    | MILES | 2        |
| Bog Pond                 | MA33003    | Savoy                                                                                                                                                         | 34.994   | ACRES | 3        |
| Bozrah Brook             | MA33-13    | Headwaters, located west of East Hawley Road, Hawley (drains wetland) to confluence with Deerfield River, Charlemont.                                         | 2.996    | MILES | 3        |
| Burnett Pond             | MA33005    | Savoy                                                                                                                                                         | 17.717   | ACRES | 3        |
| Chickley River           | MA33-11    | Headwaters Savoy Mountain State Forest, Savoy to confluence with Deerfield River, Charlemont.                                                                 | 11.084   | MILES | 5        |
| Clark Brook              | MA33-16    | Headwaters, near Moonshine Road (Howes Road)/East Buckland Road, Buckland to confluence with Clesson Brook, Buckland.                                         | 3.779086 | MILES | 2        |
| Clesson Brook            | MA33-15    | Outlet of unnamed pond south of Forget Road, Hawley through Cox Pond to confluence with Deerfield River, Buckland.                                            | 10.346   | MILES | 2        |
| Cold River               | MA33-05    | Source in Florida to confluence with Deerfield River, Charlemont.                                                                                             | 13.719   | MILES | 2        |
| Davis Mine Brook         | MA33-18    | Headwaters, just south of Dell Road, Rowe to confluence with Mill Brook, Charlemont.                                                                          | 3.301077 | MILES | 5        |
| Deerfield River          | MA33-01    | Outlet Sherman Reservoir Monroe/Rowe, to confluence with Cold River, Charlemont (through former segment, Lower Reservoir MA33028).                            | 13.43029 | MILES | 2        |
| Deerfield River          | MA33-02    | Confluence with Cold River, Charlemont to confluence with North River, Charlemont/Shelburne                                                                   | 11.414   | MILES | 2        |
| Deerfield River          | MA33-03    | Confluence with North River, Charlemont/Shelburne to confluence with Green River, Greenfield.                                                                 | 16.945   | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                                                                                       | SIZE   | UNITS | CATEGORY |
|---------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------|
| Deerfield River           | MA33-04    | Confluence with Green River, Greenfield to confluence with Connecticut River, Greenfield/Deerfield.                                                                                               | 2.061  | MILES | 2        |
| Dragon Brook              | MA33-20    | Headwaters north of Patten Road, Shelburne to confluence with the Deerfield River, Shelburne                                                                                                      | 4.352  | MILES | 3        |
| Drakes Brook              | MA33-23    | Headwaters west of North Warger Road, Ashfield to confluence with Bear River, Conway.                                                                                                             | 2.016  | MILES | 2        |
| East Branch North River   | MA33-19    | Vermont line, Colrain to confluence with West Branch North River, Colrain.                                                                                                                        | 7.58   | MILES | 2        |
| Foundry Brook             | MA33-25    | Headwaters north of Calvin Coombs Road, Colrain to confluence with East Branch North River, Colrain.                                                                                              | 2.773  | MILES | 2        |
| Fox Brook Upper Reservoir | MA33006    | Colrain                                                                                                                                                                                           | 2.954  | ACRES | 3        |
| Goodnow Road Pond         | MA33007    | Buckland                                                                                                                                                                                          | 10.918 | ACRES | 3        |
| Green River               | MA33-28    | Vermont line, Colrain to Greenfield water supply dam (north of Eunice Williams Road), Greenfield. (formerly part of MA33-09)                                                                      | 8.474  | MILES | 2        |
| Green River               | MA33-29    | From Greenfield water supply dam (north of Eunice Williams Road), Greenfield to the Greenfield swimming pool dam (northwest of Nashs Mill Road), Greenfield. (formerly part of MA33-09)           | 4.633  | MILES | 2        |
| Green River               | MA33-30    | From Greenfield swimming pool dam (northwest of Nashs Mill Road), Greenfield to confluence with the Deerfield River, Greenfield . (formerly segment MA33-10 and part of segment MA33-09)          | 3.735  | MILES | 5        |
| Hallockville Pond         | MA33009    | Plainfield/Hawley                                                                                                                                                                                 | 18.555 | ACRES | 3        |
| Highland Pond             | MA33032    | Greenfield                                                                                                                                                                                        | 2.104  | ACRES | 3        |
| Hinsdale Brook            | MA33-21    | Headwaters east of Fiske Mill Road, Shelburne to confluence with Punch Brook, Greenfield                                                                                                          | 2.831  | MILES | 3        |
| Maynard Pond              | MA33011    | Greenfield                                                                                                                                                                                        | 3.249  | ACRES | 3        |
| McLeod Pond               | MA33012    | Colrain                                                                                                                                                                                           | 41.336 | ACRES | 3        |
| Mill Brook                | MA33-14    | Headwaters, originating north of Rowe Road, Heath to confluence with the Deerfield River, Charlemont.                                                                                             | 5.757  | MILES | 2        |
| Mt. Brook Reservoir       | MA33024    | Colrain                                                                                                                                                                                           | 1.471  | ACRES | 3        |
| Newell Pond               | MA33013    | Greenfield                                                                                                                                                                                        | 0.928  | ACRES | 3        |
| North Pond                | MA33014    | Florida                                                                                                                                                                                           | 19.115 | ACRES | 2        |
| North River               | MA33-06    | From confluence of East and West branches of the North River, Colrain to confluence with Deerfield River, Shelburne/Charlemont. (Segment changed 1997 - East Branch no longer included in length) | 3.341  | MILES | 2        |
| Papoose Lake              | MA33023    | Heath                                                                                                                                                                                             | 14.088 | ACRES | 3        |
| Pelham Brook              | MA33-12    | Headwaters at outlet Pelham Lake, Rowe to confluence with Deerfield River, Charlemont.                                                                                                            | 4.861  | MILES | 2        |
| Pelham Lake               | MA33016    | Rowe                                                                                                                                                                                              | 79.545 | ACRES | 5        |
| Phelps Brook Reservoir    | MA33030    | Monroe                                                                                                                                                                                            | 0.052  | ACRES | 3        |
| Plainfield Pond           | MA33017    | Plainfield                                                                                                                                                                                        | 59.616 | ACRES | 4A       |
| Pumpkin Hollow Brook      | MA33-32    | Headwaters north of Conway State Forest and south of Old Cricket Hill Road, Conway to confluence with South River, Conway.                                                                        | 2.297  | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                             | SEGMENT ID | DESCRIPTION                                                                                                                       | SIZE     | UNITS | CATEGORY |
|----------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Sherman Reservoir                | MA33018    | Massachusetts portion only. Rowe/Monroe/Whitingham, Vt.                                                                           | 72.437   | ACRES | 5        |
| Shingle Brook                    | MA33-22    | Headwaters north of Guy Manners Road, Shelburne to confluence with the Deerfield River, Deerfield.                                | 2.764    | MILES | 3        |
| Smith Brook                      | MA33-26    | Headwaters, outlet Upper Reservoir, Ashfield to confluence with Clesson Brook, Buckland.                                          | 2.664    | MILES | 3        |
| South Pond                       | MA33019    | Savoy                                                                                                                             | 28.675   | ACRES | 2        |
| South River                      | MA33-07    | Headwaters at outlet Ashfield Pond to Emmets Road, Ashfield.                                                                      | 2.263668 | MILES | 2        |
| South River                      | MA33-08    | Emmets Road Ashfield to confluence with Deerfield River, Conway (through South River Impoundment formerly segment MA33022).       | 12.957   | MILES | 5        |
| Tannery Pond                     | MA33020    | Savoy                                                                                                                             | 0.523    | ACRES | 4C       |
| Taylor Brook                     | MA33-31    | From the confluence of Kinsman Brook and Davenport Brook, Heath to confluence with West Branch North River, Colrain.              | 2.635    | MILES | 2        |
| Tisdell Brook                    | MA33-24    | Headwaters west of Christian Hill, Colrain to confluence with West Branch North River, Colrain.                                   | 1.698    | MILES | 2        |
| Upper Greenfield Reservoir       | MA33021    | Leyden                                                                                                                            | 5.748    | ACRES | 3        |
| Upper Highland Springs Reservoir | MA33025    | Ashfield                                                                                                                          | 2.483    | ACRES | 3        |
| Upper Reservoir Bear Swamp       | MA33026    | Rowe                                                                                                                              | 108.283  | ACRES | 3        |
| West Branch North River          | MA33-27    | Confluence of West Branch Brook and Burrington Brook, Heath to confluence with North River, forming the North River, Colrain.     | 7.127    | MILES | 2        |
| <b>Farmington</b>                |            |                                                                                                                                   |          |       |          |
| Benton Brook                     | MA31-11    | Drainage from Hayden Swamp, Otis to the confluence with the West Branch Farmington River, Otis.                                   | 5.240824 | MILES | 2        |
| Benton Pond                      | MA31003    | Otis                                                                                                                              | 61.428   | ACRES | 4C       |
| Big Pond                         | MA31004    | Otis                                                                                                                              | 325.203  | ACRES | 5        |
| Buck River                       | MA31-12    | Headwaters draining wetland just south of Morley Hill and Cronk Road, Sandisfield to confluence with the Clam River, Sandisfield. | 6.398259 | MILES | 2        |
| Clam River                       | MA31-03    | Outlet of Royal Pond, Otis to confluence with West Branch Farmington River, Sandisfield.                                          | 9.542    | MILES | 2        |
| Cone Brook                       | MA31-08    | Drainage from Angerman Swamp in Beartown State Forest, Otis to Hayden Pond, Otis.                                                 | 2.101    | MILES | 2        |
| Cranberry Pond                   | MA31008    | Tolland                                                                                                                           | 75.489   | ACRES | 3        |
| Creek Pond                       | MA31009    | (Watson Pond) Otis                                                                                                                | 51.734   | ACRES | 3        |
| Dimmock Brook                    | MA31-10    | Outlet of Dimmock Brook Pond, Otis to confluence with West Branch Farmington River, Otis.                                         | 1.006    | MILES | 3        |
| Dimmock Brook Pond               | MA31010    | Otis                                                                                                                              | 15.166   | ACRES | 3        |
| Fall River                       | MA31-02    | Outlet Larkum Pond, Otis to confluence with West Branch Farmington River, Otis.                                                   | 0.761    | MILES | 2        |
| Hayden Pond                      | MA31016    | Otis                                                                                                                              | 27.999   | ACRES | 3        |
| Hubbard Brook                    | MA31-16    | Confluence Babcock Brook and Hall Pond Brook, Tolland to border of Granville, Massachusetts/Hartland, Connecticut.                | 4.0271   | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                                                          | SIZE     | UNITS | CATEGORY |
|------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Long Bow Lake                | MA31019    | Becket                                                                                                                                               | 25.585   | ACRES | 3        |
| Lower Spectacle Pond         | MA31020    | Sandisfield                                                                                                                                          | 69.815   | ACRES | 3        |
| Noyes Pond                   | MA31026    | Tolland                                                                                                                                              | 166.019  | ACRES | 4C       |
| Otis Reservoir               | MA31027    | Otis/Tolland/Blandford                                                                                                                               | 988.88   | ACRES | 4A       |
| Royal Pond                   | MA31034    | Otis/Monterey                                                                                                                                        | 7.419    | ACRES | 3        |
| Sandy Brook                  | MA31-14    | Outlet York Lake, New Marlborough to border of Sandisfield, Massachusetts/Norfolk, Connecticut.                                                      | 4.977348 | MILES | 2        |
| Shales Brook                 | MA31-04    | Source north of Tyringham Road, Becket to inlet Shaw Pond, Becket.                                                                                   | 1.238268 | MILES | 3        |
| Shaw Pond                    | MA31036    | Becket/Otis                                                                                                                                          | 80.431   | ACRES | 5        |
| Silver Brook                 | MA31-13    | Confluence of North Branch and South Branch Silver Brook, Sandisfield to confluence with Clam River, Sandisfield.                                    | 0.957688 | MILES | 3        |
| Silver Shield Pond           | MA31054    | Becket                                                                                                                                               | 9.792    | ACRES | 3        |
| Thomas Brook                 | MA31-06    | Outlet Thomas Pond, Becket to confluence with unnamed tributary, Otis.                                                                               | 0.823572 | MILES | 3        |
| Unnamed Tributary            | MA31-05    | Source in wetlands southwest of Route 90 and east of Route 20, Becket to inlet Shaw Pond, Becket.                                                    | 1.333735 | MILES | 3        |
| Unnamed Tributary            | MA31-07    | Outlet Shaw Pond, Becket/Otis to inlet Hayden Pond, Otis.                                                                                            | 0.889249 | MILES | 3        |
| Unnamed Tributary            | MA31-09    | Source north of Route 23 and east of Harrington Road, Otis to confluence with West Branch Farmington River, Otis.                                    | 1.997087 | MILES | 3        |
| Upper Spectacle Pond         | MA31044    | Sandisfield/Otis                                                                                                                                     | 52.655   | ACRES | 5        |
| Valley Brook                 | MA31-15    | Source, northwest of Holden Hill, Granville to border of Granville, Massachusetts/Hartland, Connecticut.                                             | 5.894326 | MILES | 2        |
| Ward Pond                    | MA31047    | Becket                                                                                                                                               | 27.153   | ACRES | 3        |
| West Branch Farmington River | MA31-01    | Outlet of Hayden Pond, Otis to Sandisfield/Tolland, Massachusetts and Colebrook, Connecticut in the Colebrook Reservoir.                             | 16.134   | MILES | 5        |
| West Lake                    | MA31050    | Sandisfield                                                                                                                                          | 60.286   | ACRES | 3        |
| White Lily Pond              | MA31051    | Otis                                                                                                                                                 | 62.146   | ACRES | 3        |
| York Lake                    | MA31052    | New Marlborough                                                                                                                                      | 28.763   | ACRES | 5        |
| <b>French</b>                |            |                                                                                                                                                      |          |       |          |
| Bartons Brook                | MA42-08    | Headwaters, outlet Stiles Reservoir, Leicester to inlet Greenville Pond West, Leicester.                                                             | 1.1      | MILES | 3        |
| Bouchard Pond                | MA42003    | Leicester                                                                                                                                            | 2        | ACRES | 4C       |
| Buffum Pond                  | MA42004    | Charlton/Oxford                                                                                                                                      | 23       | ACRES | 4C       |
| Buffumville Lake             | MA42005    | Charlton/Oxford                                                                                                                                      | 199      | ACRES | 4A       |
| Burncoat Brook               | MA42-07    | Headwaters, outlet Bouchard Pond, Leicester to confluence with Town Meadow Brook, Leicester (through former pond segment Ballard Hill Pond MA42069). | 1        | MILES | 5        |
| Burncoat Pond                | MA42007    | Leicester/Spencer                                                                                                                                    | 115      | ACRES | 3        |
| Carbuncle Pond               | MA42008    | Oxford                                                                                                                                               | 11       | ACRES | 3        |
| Cedar Meadow Pond            | MA42009    | Leicester                                                                                                                                            | 140      | ACRES | 4A       |
| Dresser Hill Pond            | MA42014    | Charlton                                                                                                                                             | 8        | ACRES | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                              | SIZE | UNITS | CATEGORY |
|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Dutton Pond          | MA42015    | Leicester                                                                                                                                                                                                                                | 6    | ACRES | 4A       |
| Easterbrook Pond     | MA42017    | Dudley                                                                                                                                                                                                                                   | 5    | ACRES | 3        |
| French River         | MA42-03    | Headwaters, outlet Greenville Pond, Leicester to the outlet of Thayer Pond, Oxford (excluding approximately 0.6 miles through Rochdale Pond segment MA42048) (through former pond segments Texas Pond MA42058 and Thayers Pond MA42059). | 3.8  | MILES | 5        |
| French River         | MA42-04    | From dam just upstream of Clara Barton Road, Oxford, to dam at North Village, Webster/Dudley.                                                                                                                                            | 9.6  | MILES | 5        |
| French River         | MA42-05    | Dam at North Village, Webster/Dudley to Webster WWTP outfall, Webster/Dudley.                                                                                                                                                            | 2.4  | MILES | 5        |
| French River         | MA42-06    | Webster WWTP outfall, Webster/Dudley to state line, Dudley, MA/Thompson, CT.                                                                                                                                                             | 1    | MILES | 5        |
| Gore Pond            | MA42018    | Dudley/Charlton                                                                                                                                                                                                                          | 169  | ACRES | 4A       |
| Granite Reservoir    | MA42019    | Charlton                                                                                                                                                                                                                                 | 207  | ACRES | 4A       |
| Greenville Pond      | MA42023    | Leicester                                                                                                                                                                                                                                | 31   | ACRES | 4A       |
| Greenville Pond West | MA42022    | Leicester                                                                                                                                                                                                                                | 6    | ACRES | 3        |
| Grindstone Brook     | MA42-18    | Headwaters outlet Henshaw Pond, Leicester to inlet Rochdale Pond, Leicester.                                                                                                                                                             | 2.3  | MILES | 5        |
| Hayden Pond          | MA42024    | Dudley                                                                                                                                                                                                                                   | 44   | ACRES | 3        |
| Henshaw Pond         | MA42025    | Leicester                                                                                                                                                                                                                                | 37   | ACRES | 3        |
| Hudson Pond          | MA42029    | Oxford/Sutton                                                                                                                                                                                                                            | 15   | ACRES | 4A       |
| Hultered Pond        | MA42072    | Charlton                                                                                                                                                                                                                                 | 4    | ACRES | 3        |
| Jones Pond           | MA42030    | Charlton/Spencer                                                                                                                                                                                                                         | 30   | ACRES | 4A       |
| Larner Pond          | MA42068    | Dudley                                                                                                                                                                                                                                   | 27   | ACRES | 4A       |
| Little Nugget Lake   | MA42032    | Charlton                                                                                                                                                                                                                                 | 13   | ACRES | 3        |
| Little River         | MA42-13    | Headwaters, outlet Pikes Pond, Charlton to inlet Buffumville Lake, Charlton (formerly part of segment MA42-09).                                                                                                                          | 3.5  | MILES | 5        |
| Little River         | MA42-14    | Outlet Buffum Pond, Oxford to confluence with French River, Oxford (formerly part of segment MA42-09).                                                                                                                                   | 1.3  | MILES | 3        |
| Low Pond             | MA42033    | Dudley                                                                                                                                                                                                                                   | 4    | ACRES | 4C       |
| Lowes Pond           | MA42034    | Oxford                                                                                                                                                                                                                                   | 33   | ACRES | 4A       |
| McKinstry Pond       | MA42035    | Oxford                                                                                                                                                                                                                                   | 16   | ACRES | 4A       |
| Merino Pond          | MA42036    | Dudley                                                                                                                                                                                                                                   | 75   | ACRES | 3        |
| Mill Brook           | MA42-10    | Headwaters, outlet Webster Lake, Webster to confluence with French River, Webster.                                                                                                                                                       | 1.2  | MILES | 2        |
| Mine Brook           | MA42-16    | Headwaters, Webster to inlet Club Pond, Webster.                                                                                                                                                                                         | 1.4  | MILES | 2        |
| Mosquito Pond        | MA42060    | Dudley                                                                                                                                                                                                                                   | 11   | ACRES | 4A       |
| New Pond             | MA42037    | Dudley                                                                                                                                                                                                                                   | 33   | ACRES | 4A       |
| Nipmuck Pond         | MA42039    | Webster                                                                                                                                                                                                                                  | 20   | ACRES | 3        |
| Packard Pond         | MA42040    | Dudley                                                                                                                                                                                                                                   | 6    | ACRES | 4C       |
| Peter Pond           | MA42042    | Dudley                                                                                                                                                                                                                                   | 42   | ACRES | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                                                           | SIZE    | UNITS | CATEGORY |
|---------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Pierpoint Meadow Pond     | MA42043    | Dudley/Charlton                                                                                                                                                       | 95      | ACRES | 4A       |
| Pikes Pond                | MA42044    | Charlton                                                                                                                                                              | 28      | ACRES | 4A       |
| Putnam Pond               | MA42046    | Charlton                                                                                                                                                              | 20      | ACRES | 3        |
| Robinson Pond             | MA42047    | Oxford                                                                                                                                                                | 99      | ACRES | 2        |
| Rochdale Pond             | MA42048    | Leicester                                                                                                                                                             | 43      | ACRES | 4A       |
| Sargent Pond              | MA42049    | Leicester                                                                                                                                                             | 65      | ACRES | 4C       |
| Shepherd Pond             | MA42051    | Dudley                                                                                                                                                                | 16      | ACRES | 4A       |
| Slaters Pond              | MA42053    | Oxford                                                                                                                                                                | 105     | ACRES | 3        |
| Snow Pond                 | MA42054    | Charlton                                                                                                                                                              | 1       | ACRES | 3        |
| Stiles Reservoir          | MA42055    | Spencer/Leicester                                                                                                                                                     | 309     | ACRES | 3        |
| Sucker Brook              | MA42-15    | Headwaters, outlet Nipmuck Pond, Webster to inlet Club Pond, Webster                                                                                                  | 1.7     | MILES | 5        |
| Town Meadow Brook         | MA42-02    | Headwaters, outlet Dutton Pond, Leicester to inlet Greenville Pond, Leicester.                                                                                        | 1.9     | MILES | 3        |
| Unnamed Tributary         | MA42-01    | Unnamed tributary to Town Meadow Brook, outlet Sargent Pond, Leicester to inlet Dutton Pond, Leicester.                                                               | 0.5     | MILES | 2        |
| Unnamed Tributary         | MA42-12    | Unnamed tributary to Wellington Brook, perennial portion from Depot Road, Oxford to confluence with Wellington Brook, Oxford.                                         | 0.2     | MILES | 3        |
| Unnamed Tributary         | MA42-19    | Unnamed tributary to the French River on the 1982 USGS quad as 'Lowes Brook' , from the outlet of Lowes Pond, Oxford to the confluence with the French River, Oxford. | 1.3     | MILES | 2        |
| Unnamed Tributary         | MA42-20    | Unnamed tributary to South Fork locally known as 'Potters Brook', from outlet of Old Mill Pond Dam (MA01833), Charlton to the confluence with South Fork, Charlton.   | 0.9     | MILES | 2        |
| Wallis Pond               | MA42062    | Dudley                                                                                                                                                                | 24      | ACRES | 4A       |
| Watson Millpond           | MA42063    | Spencer                                                                                                                                                               | 2       | ACRES | 3        |
| Webster Lake              | MA42064    | Webster                                                                                                                                                               | 1275    | ACRES | 4C       |
| Wee Laddie Pond           | MA42065    | Charlton                                                                                                                                                              | 6       | ACRES | 3        |
| Wellington Brook          | MA42-11    | Headwaters south of Cedar Street, Auburn to confluence with French River, Oxford.                                                                                     | 3.4     | MILES | 2        |
| <b>Housatonic</b>         |            |                                                                                                                                                                       |         |       |          |
| Anthony Brook             | MA21-10    | Headwaters, outlet of Anthony Pond, Dalton to the confluence with Wahconah Falls Brook, Dalton.                                                                       | 2.568   | MILES | 3        |
| Ashley Lake               | MA21003    | Washington                                                                                                                                                            | 93.644  | ACRES | 3        |
| Ashmere Lake              | MA21005    | Hinsdale/Peru                                                                                                                                                         | 293.502 | ACRES | 4C       |
| Benedict Pond             | MA21011    | Great Barrington/Monterey                                                                                                                                             | 37.034  | ACRES | 3        |
| Cady Brook                | MA21-12    | Source, Peru to the inlet of Windsor Reservoir, Hinsdale.                                                                                                             | 3.507   | MILES | 2        |
| Card Pond                 | MA21015    | West Stockbridge                                                                                                                                                      | 11.424  | ACRES | 3        |
| Cleveland Brook           | MA21-08    | Headwaters, outlet of Cleveland Brook Reservoir, Hinsdale to confluence with East Branch Housatonic River, Dalton.                                                    | 1.927   | MILES | 2        |
| Cleveland Brook Reservoir | MA21019    | Hinsdale                                                                                                                                                              | 155.627 | ACRES | 3        |
| Cookson Pond              | MA21021    | New Marlborough                                                                                                                                                       | 67.096  | ACRES | 3        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                         | SEGMENT ID | DESCRIPTION                                                                                                                                                          | SIZE    | UNITS | CATEGORY |
|------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Crane Lake                   | MA21025    | West Stockbridge                                                                                                                                                     | 27.474  | ACRES | 3        |
| East Branch Housatonic River | MA21-01    | Outlet of Muddy Pond, Washington to the outlet of Center Pond, Dalton.                                                                                               | 11.251  | MILES | 5        |
| East Branch Housatonic River | MA21-02    | Outlet of Center Pond, Dalton to confluence with the Housatonic River, Pittsfield.                                                                                   | 8.019   | MILES | 5        |
| East Indies Pond             | MA21029    | New Marlborough                                                                                                                                                      | 72.217  | ACRES | 3        |
| Farnham Reservoir            | MA21033    | Washington                                                                                                                                                           | 40.87   | ACRES | 3        |
| Furnace Brook                | MA21-21    | Headwaters south of Route 295 (Canaan Road), Richmond to inlet Mud Ponds, West Stockbridge.                                                                          | 3.649   | MILES | 2        |
| Goodrich Pond                | MA21042    | Pittsfield                                                                                                                                                           | 15.355  | ACRES | 5        |
| Goose Pond                   | MA21043    | Lee/Tyringham                                                                                                                                                        | 237.942 | ACRES | 4C       |
| Goose Pond Brook             | MA21-07    | Outlet of Goose Pond, Tyringham to confluence with the Housatonic River, Lee.                                                                                        | 3.252   | MILES | 2        |
| Green River                  | MA21-23    | Alford, Massachusetts/Hillsdale, New York border southwest of Route 71 to confluence with the Housatonic River, Great Barrington.                                    | 10.139  | MILES | 2        |
| Greenwater Brook             | MA21-27    | Headwaters, outlet of Greenwater Pond, Becket to the confluence with Goose Pond Brook, Lee                                                                           | 4.435   | MILES | 2        |
| Greenwater Pond              | MA21044    | Becket                                                                                                                                                               | 88.73   | ACRES | 4C       |
| Hayes Pond                   | MA21051    | Otis                                                                                                                                                                 | 46.264  | ACRES | 3        |
| Hop Brook                    | MA21-28    | Headwaters, outlet of Curtin Pond, Otis to the confluence with the Housatonic River, Lee                                                                             | 11.948  | MILES | 2        |
| Housatonic River             | MA21-04    | Confluence of Southwest Branch Housatonic River and West Branch Housatonic River, Pittsfield to outlet of Woods Pond, Lee/Lenox (pond was formerly segment MA21120). | 12.322  | MILES | 5        |
| Housatonic River             | MA21-19    | Outlet of Woods Pond, Lee/Lenox to the Risingdale Impoundment dam, Great Barrington (impoundment formerly segment MA21121).                                          | 19.88   | MILES | 5        |
| Housatonic River             | MA21-20    | Outlet of Risingdale Impoundment, Great Barrington to the state line in Sheffield, MA/Canaan, CT.                                                                    | 23.036  | MILES | 5        |
| Hubbard Brook                | MA21-15    | Source, northwest of Townhouse Hill Road, Egremont to confluence with the Housatonic River, Sheffield (thru Mill Pond formerly reported as segment MA21068).         | 9.375   | MILES | 4C       |
| Karner Brook                 | MA21-16    | Headwaters east of East Street, Mount Washington to the inlet of Mill Pond, Egremont.                                                                                | 4.664   | MILES | 4C       |
| Konkapot River               | MA21-25    | Outlet of Brewer Lake, Monterey to the state line in New Marlborough, MA/Canaan, CT.                                                                                 | 16.467  | MILES | 5        |
| Konkapot River               | MA21-26    | From the state line in Sheffield, MA/Canaan, CT, to the confluence with the Housatonic River, Sheffield.                                                             | 2.866   | MILES | 5        |
| Lake Averic                  | MA21006    | Stockbridge                                                                                                                                                          | 41.962  | ACRES | 4C       |
| Lake Buel                    | MA21014    | Monterey/New Marlborough                                                                                                                                             | 194.396 | ACRES | 5        |
| Lake Garfield                | MA21040    | Monterey                                                                                                                                                             | 256.898 | ACRES | 5        |
| Larrywaug Brook              | MA21-29    | Headwaters, outlet Stockbridge Bowl, Stockbridge to confluence with Housatonic River, Stockbridge                                                                    | 2.863   | MILES | 2        |
| Laurel Lake                  | MA21057    | Lee/Lenox                                                                                                                                                            | 173.51  | ACRES | 5        |
| Long Pond                    | MA21062    | Great Barrington                                                                                                                                                     | 114.398 | ACRES | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                              | SEGMENT ID | DESCRIPTION                                                                                                                                                         | SIZE    | UNITS | CATEGORY |
|-----------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Long Pond Brook                   | MA21-14    | Outlet of Long Pond, Great Barrington to the confluence with Seekonk Brook, Great Barrington.                                                                       | 2.047   | MILES | 4C       |
| Mansfield Pond                    | MA21065    | Great Barrington                                                                                                                                                    | 27.783  | ACRES | 4C       |
| Mill Pond                         | MA21069    | Egremont                                                                                                                                                            | 10.403  | ACRES | 3        |
| Morewood Lake                     | MA21071    | Pittsfield                                                                                                                                                          | 19.519  | ACRES | 5        |
| Onota Lake                        | MA21078    | Pittsfield                                                                                                                                                          | 662.202 | ACRES | 4C       |
| Plunkett Reservoir                | MA21082    | Hinsdale                                                                                                                                                            | 71.567  | ACRES | 4C       |
| Pontoosuc Lake                    | MA21083    | Lanesborough/Pittsfield                                                                                                                                             | 500.316 | ACRES | 5        |
| Prospect Lake                     | MA21084    | Egremont                                                                                                                                                            | 58.619  | ACRES | 4C       |
| Richmond Pond                     | MA21088    | Richmond/Pittsfield                                                                                                                                                 | 227.905 | ACRES | 4C       |
| Seekonk Brook                     | MA21-22    | Outlet of small impoundment east of West Road, Alford to confluence with the Green River, Great Barrington.                                                         | 4.787   | MILES | 3        |
| Shaker Mill Pond                  | MA21094    | West Stockbridge                                                                                                                                                    | 27      | ACRES | 4C       |
| Southwest Branch Housatonic River | MA21-17    | Headwaters, outlet Richmond Pond, Pittsfield to confluence with West Branch Housatonic River, Pittsfield.                                                           | 5.835   | MILES | 5        |
| Stevens Pond                      | MA21104    | Monterey                                                                                                                                                            | 38.771  | ACRES | 4C       |
| Stockbridge Bowl                  | MA21105    | Stockbridge                                                                                                                                                         | 383.495 | ACRES | 4A       |
| Thousand Acre Pond                | MA21106    | New Marlborough                                                                                                                                                     | 144.801 | ACRES | 4C       |
| Unnamed Tributary                 | MA21-24    | Headwaters, outlet of Mill Pond, Egremont to confluence with Hubbard Brook, Egremont.                                                                               | 1.481   | MILES | 3        |
| Unnamed Tributary                 | MA21-31    | Unnamed tributary to the Housatonic River, locally known as "Laurel Brook", from the outlet of Laurel Lake, Lee to the confluence with the Housatonic River, Lee.   | 0.8     | MILES | 4C       |
| Upper Goose Pond                  | MA21110    | Lee/Tyringham                                                                                                                                                       | 55.337  | ACRES | 4C       |
| Upper Sackett Reservoir           | MA21113    | Hinsdale                                                                                                                                                            | 19.454  | ACRES | 3        |
| Wahconah Falls Brook              | MA21-11    | Headwaters, outlet of Windsor Reservoir, Windsor to confluence with East Branch Housatonic River, Dalton.                                                           | 3.381   | MILES | 5        |
| West Branch Housatonic River      | MA21-18    | Headwaters, outlet of Pontoosuc Lake, Pittsfield to confluence with Southwest Branch Housatonic River (forming the headwaters of the Housatonic River), Pittsfield. | 4.088   | MILES | 5        |
| Willard Brook                     | MA21-30    | Headwaters north of Salisbury Road, Sheffield to the confluence with Hubbard Brook, Sheffield                                                                       | 4.022   | MILES | 4C       |
| Williams River                    | MA21-06    | Source, outlet Shaker Mill Pond, West Stockbridge to confluence with Housatonic River, Great Barrington.                                                            | 11.006  | MILES | 2        |
| Windsor Brook                     | MA21-09    | Source, southeast of Fobes Hill (west of Savory Road/Route 8A), Windsor to the Windsor Reservoir, Windsor.                                                          | 6.11    | MILES | 4C       |
| Windsor Reservoir                 | MA21119    | Hinsdale/Windsor                                                                                                                                                    | 74.354  | ACRES | 3        |
| <b>Hudson: Hoosic</b>             |            |                                                                                                                                                                     |         |       |          |
| Bassett Brook                     | MA11-17    | Headwaters southeast slope of Saddle Ball Mountain, Adams to inlet Bassett Reservoir, Cheshire.                                                                     | 1.939   | MILES | 3        |
| Berkshire Pond                    | MA11001    | Lanesborough                                                                                                                                                        | 21.426  | ACRES | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                             | SEGMENT ID | DESCRIPTION                                                                                                                     | SIZE    | UNITS | CATEGORY |
|----------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Broad Brook                      | MA11-23    | From Vermont state line, Williamstown to the confluence with the Hoosic River, Williamstown.                                    | 2.184   | MILES | 3        |
| Cheshire Reservoir, Middle Basin | MA11018    | [Middle Basin] Cheshire/Lanesborough                                                                                            | 186.35  | ACRES | 5        |
| Cheshire Reservoir, North Basin  | MA11002    | [North Basin] Cheshire                                                                                                          | 284.024 | ACRES | 5        |
| Cheshire Reservoir, South Basin  | MA11019    | [South Basin] Cheshire/Lanesborough                                                                                             | 91.718  | ACRES | 5        |
| Dry Brook                        | MA11-13    | Headwaters, west of Jackson Road (in Savoy Wildlife Management Area), Savoy to confluence with Hoosic River, Adams.             | 6.702   | MILES | 2        |
| East Branch Green River          | MA11-21    | Headwaters, northeast of Sugarloaf Mountain, New Ashford to confluence with Green River, New Ashford.                           | 2.227   | MILES | 2        |
| Green River                      | MA11-06    | Headwaters southwest of Sugarloaf Mountain (west of Ingraham Road), New Ashford to confluence with Hoosic River, Williamstown.  | 12.498  | MILES | 5        |
| Hemlock Brook                    | MA11-09    | Headwaters, south of Route 2 in the Taconic Trail State Park to confluence with the Hoosic River, Williamstown.                 | 7.083   | MILES | 2        |
| Hoosic River                     | MA11-03    | Headwaters, outlet Cheshire Reservoir, Cheshire to Adams WWTP discharge, Adams.                                                 | 8.841   | MILES | 5        |
| Hoosic River                     | MA11-04    | Adams WWTP discharge, Adams to confluence with North Branch Hoosic River, North Adams.                                          | 5.387   | MILES | 5        |
| Hoosic River                     | MA11-05    | Confluence with North Branch Hoosic River, North Adams to the Vermont State line, Williamstown.                                 | 8.225   | MILES | 5        |
| Kitchen Brook                    | MA11-24    | From the outlet of the unnamed reservoir (Kitchen Brook Reservoir), Cheshire to the confluence with the Hoosic River, Cheshire. | 1.445   | MILES | 2        |
| Mauserts Pond                    | MA11009    | Clarksburg                                                                                                                      | 50.896  | ACRES | 5        |
| McDonald Brook                   | MA11-16    | Source, southeast of Woodchuck Hill, Windsor to confluence with South Brook, Cheshire.                                          | 3       | MILES | 2        |
| Mt. Williams Reservoir           | MA11010    | North Adams                                                                                                                     | 45.842  | ACRES | 3        |
| North Branch Hoosic River        | MA11-01    | Vermont State line, Clarksburg to USGS Gage, North Adams.                                                                       | 4.281   | MILES | 2        |
| North Branch Hoosic River        | MA11-02    | From USGS Gage, North Adams to confluence with Hoosic River, North Adams.                                                       | 1.537   | MILES | 5        |
| Notch Reservoir                  | MA11011    | North Adams                                                                                                                     | 12.287  | ACRES | 3        |
| Paul Brook                       | MA11-20    | Headwaters, outlet of Mt. Williams Reservoir, North Adams to confluence with unnamed tributary, Williamstown.                   | 2.089   | MILES | 5        |
| Pecks Brook                      | MA11-18    | Headwaters west of West Mountain Road to confluence with the Hoosic River, Adams.                                               | 2.703   | MILES | 2        |
| South Brook                      | MA11-15    | Headwaters, west of Weston Mountain, Dalton to confluence with the Hoosic River, Cheshire.                                      | 4.138   | MILES | 2        |
| Thunder Brook                    | MA11-10    | Headwaters, Cheshire to confluence with Kitchen Brook, Cheshire.                                                                | 1.545   | MILES | 3        |
| Tophet Brook                     | MA11-19    | Source west of Burnett Road, Savoy (in the Savoy Mountain State Forest) to the confluence with the Hoosic River, Adams.         | 6.151   | MILES | 4C       |
| West Branch Green River          | MA11-22    | Headwaters, west of Route 43, Hancock (near New York border) to confluence with Green River, Williamstown.                      | 7.896   | MILES | 2        |
| Windsor Lake                     | MA11016    | North Adams                                                                                                                     | 23.993  | ACRES | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                                         | SEGMENT ID | DESCRIPTION                                                                                                              | SIZE     | UNITS        | CATEGORY |
|----------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| <b>Hudson: Kinderhook</b>                    |            |                                                                                                                          |          |              |          |
| Kinderhook Creek                             | MA12-01    | Headwaters, northwest of Sheeps Heaven Mountain and east of Route 43, Hancock to New York/Massachusetts border, Hancock. | 5.495    | MILES        | 5        |
| <b>Ipswich</b>                               |            |                                                                                                                          |          |              |          |
| Bear Meadow Brook                            | MA92-07    | Headwaters in Cedar Swamp, Reading to confluence with Ipswich River, Reading/North Reading.                              | 2.842773 | MILES        | 3        |
| Beaver Pond                                  | MA92002    | Beverly                                                                                                                  | 18.534   | ACRES        | 3        |
| Berry Pond                                   | MA92003    | North Andover                                                                                                            | 3.896    | ACRES        | 2        |
| Black Brook                                  | MA92-19    | Outlet Cutler Pond, Hamilton to confluence with Ipswich River, Hamilton.                                                 | 3.62     | MILES        | 3        |
| Boston Brook                                 | MA92-13    | Outlet of Towne Street Pond, North Andover to confluence with the Ipswich River, Middleton.                              | 7.521    | MILES        | 2        |
| Brackett Pond                                | MA92004    | Andover                                                                                                                  | 15.671   | ACRES        | 5        |
| Bradford Pond                                | MA92005    | North Reading                                                                                                            | 14.169   | ACRES        | 3        |
| Collins Pond                                 | MA92010    | Andover                                                                                                                  | 2.089    | ACRES        | 5        |
| Creighton Pond                               | MA92011    | Middleton                                                                                                                | 18.66    | ACRES        | 3        |
| Crystal Pond                                 | MA92013    | Peabody                                                                                                                  | 8.173    | ACRES        | 5        |
| Devils Dishfull Pond                         | MA92015    | Peabody                                                                                                                  | 14.328   | ACRES        | 5        |
| Eisenhaures Pond                             | MA92016    | North Reading                                                                                                            | 11.977   | ACRES        | 3        |
| Elginwood Pond                               | MA92017    | Peabody                                                                                                                  | 8.502    | ACRES        | 3        |
| Emerson Brook Reservoir (Forest Street Pond) | MA92021    | Middleton                                                                                                                | 195.429  | ACRES        | 3        |
| Farnum Street Pond                           | MA92018    | North Andover                                                                                                            | 8.609    | ACRES        | 3        |
| Field Pond                                   | MA92019    | Andover                                                                                                                  | 56.706   | ACRES        | 4C       |
| Fish Brook                                   | MA92-14    | Headwater, outlet Stiles Pond, Boxford to confluence with Ipswich River, Topsfield/Boxford.                              | 8.246    | MILES        | 2        |
| Fourmile Pond                                | MA92022    | Boxford                                                                                                                  | 28.683   | ACRES        | 3        |
| Frye Pond                                    | MA92023    | Andover                                                                                                                  | 7.287    | ACRES        | 5        |
| Gravelly Brook                               | MA92-18    | Headwaters, Willowdale State Forest, Ipswich to confluence with Ipswich River, Ipswich.                                  | 1.518    | MILES        | 2        |
| Hood Pond                                    | MA92025    | Ipswich/Topsfield                                                                                                        | 67.446   | ACRES        | 4A       |
| Howes Pond                                   | MA92026    | Boxford                                                                                                                  | 6.615    | ACRES        | 3        |
| Howlett Brook                                | MA92-17    | Headwaters north of Great Hill, Topsfield to confluence with Ipswich River, Topsfield.                                   | 2.796    | MILES        | 5        |
| Idlewild Brook                               | MA92-24    | Outlet of Pleasant Pond, Hamilton to confluence with Ipswich River, Hamilton.                                            | 0.809    | MILES        | 3        |
| Ipswich River                                | MA92-02    | Ipswich Dam (formerly known as Sylvania Dam), Ipswich to mouth at Ipswich Bay, Ipswich.                                  | 0.411    | SQUARE MILES | 5        |
| Ipswich River                                | MA92-06    | Source at confluence of Maple Meadow Brook and Lubbers Brook, Wilmington, to Salem Beverly Waterway Canal, Topsfield.    | 20.415   | MILES        | 5        |
| Ipswich River                                | MA92-15    | Salem Beverly Waterway Canal, Topsfield to Ipswich Dam (formerly known as Sylvania Dam), Ipswich.                        | 10.977   | MILES        | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                             | SIZE     | UNITS        | CATEGORY |
|-------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Kimball Brook           | MA92-21    | Headwaters, west of Scott Hill, Ipswich to confluence with Ipswich River, Ipswich.                                                      | 2.241    | MILES        | 5        |
| Kimballs Pond           | MA92027    | Boxford                                                                                                                                 | 7.468    | ACRES        | 3        |
| Labor In Vain Creek     | MA92-22    | South of Argilla Road, Ipswich to confluence with Ipswich River Estuary, Ipswich.                                                       | 0.03     | SQUARE MILES | 5        |
| Long Causeway Brook     | MA92-20    | Headwaters near Boston & Maine Railroad, south of Pigeon Hill, Hamilton to confluence with Miles River, Hamilton/Ipswich.               | 1.896231 | MILES        | 3        |
| Longham Reservoir       | MA92030    | Wenham                                                                                                                                  | 34.152   | ACRES        | 3        |
| Lowe Pond               | MA92034    | Boxford                                                                                                                                 | 35.761   | ACRES        | 5        |
| Lower Boston Brook Pond | MA92031    | Middleton                                                                                                                               | 9.333    | ACRES        | 4C       |
| Lower Four Mile Pond    | MA92032    | Boxford                                                                                                                                 | 18.426   | ACRES        | 4C       |
| Lubber Pond East        | MA92035    | Wilmington                                                                                                                              | 6.237    | ACRES        | 4C       |
| Lubber Pond West        | MA92036    | Wilmington                                                                                                                              | 9.561    | ACRES        | 4C       |
| Lubbers Brook           | MA92-05    | Billerica/Burlington boundry to confluence with Maple Meadow Brook forming headwaters of Ipswich River, Wilmington.                     | 6.329    | MILES        | 2        |
| Maple Meadow Brook      | MA92-04    | Outlet of Mill Pond, Burlington to confluence with Lubbers Brook, Wilmington.                                                           | 4.197642 | MILES        | 4C       |
| Martins Brook           | MA92-08    | Outlet of Martins Pond, North Reading to the confluence with the Ipswich River, North Reading.                                          | 4.561    | MILES        | 5        |
| Martins Pond            | MA92038    | North Reading                                                                                                                           | 89.012   | ACRES        | 5        |
| Middleton Pond          | MA92039    | Middleton                                                                                                                               | 128.95   | ACRES        | 3        |
| Mile Brook              | MA92-16    | Headwaters, east of North Street, Topsfield to confluence with Ipswich River, Topsfield.                                                | 2.54     | MILES        | 3        |
| Miles River             | MA92-03    | Outlet Longham Reservoir, Beverly to confluence with Ipswich River, Ipswich.                                                            | 8.892    | MILES        | 5        |
| Mill Pond               | MA92041    | Burlington                                                                                                                              | 59.084   | ACRES        | 4A       |
| Nichols Brook           | MA92-25    | Headwaters (near Rowley Hill Street and Route 95 and Newburyport Turnpike) in Danvers, to confluence with the Ipswich River, Middleton. | 2.475    | MILES        | 3        |
| Norris Brook            | MA92-11    | Outlet of Elginwood Pond, Peabody to confluence with Ipswich River, Danvers (Danvers/Middleton town line).                              | 1.541    | MILES        | 5        |
| Pierces Pond            | MA92048    | Peabody                                                                                                                                 | 2.609    | ACRES        | 3        |
| Pleasant Pond           | MA92049    | (Idlewood Lake) Wenham/Hamilton                                                                                                         | 26.551   | ACRES        | 5        |
| Putnamville Reservoir   | MA92052    | Danvers                                                                                                                                 | 282.517  | ACRES        | 3        |
| Salem Pond              | MA92057    | North Andover/Andover                                                                                                                   | 14.681   | ACRES        | 5        |
| Salem Street Pond       | MA92076    | North Andover                                                                                                                           | 10.601   | ACRES        | 3        |
| Silver Lake             | MA92059    | Wilmington                                                                                                                              | 29.874   | ACRES        | 5        |
| Spofford Pond           | MA92060    | Boxford                                                                                                                                 | 28.102   | ACRES        | 3        |
| Stearns Pond            | MA92061    | North Andover                                                                                                                           | 42.929   | ACRES        | 3        |
| Stevens Pond            | MA92062    | Boxford                                                                                                                                 | 11.054   | ACRES        | 4C       |
| Stiles Pond             | MA92063    | Boxford                                                                                                                                 | 59.042   | ACRES        | 2        |
| Sudden Pond             | MA92064    | North Andover                                                                                                                           | 5.204    | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                         | SIZE     | UNITS        | CATEGORY |
|-------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Suntaug Lake            | MA92065    | Lynnfield/Peabody                                                                                                                                                                                                                   | 150.1    | ACRES        | 3        |
| Swan Pond               | MA92066    | North Reading                                                                                                                                                                                                                       | 42.036   | ACRES        | 3        |
| Towne Pond              | MA92068    | Boxford/North Andover                                                                                                                                                                                                               | 23.362   | ACRES        | 3        |
| Unnamed Tributary       | MA92-09    | Outlet of Eisenhaures Pond, North Reading to confluence with Ipswich River, North Reading.                                                                                                                                          | 1.387    | MILES        | 3        |
| Unnamed Tributary       | MA92-12    | Outlet of Middleton Pond, Middleton to confluence with Ipswich River, Middleton.                                                                                                                                                    | 1.387    | MILES        | 5        |
| Unnamed Tributary       | MA92-23    | Headwaters, east of Jeffreys Neck Road, north of Newmarch Street to confluence with Ipswich River Estuary, Ipswich. (locally known as Greenwood Creek)                                                                              | 0.03     | SQUARE MILES | 5        |
| Unnamed Tributary       | MA92-26    | Unnamed intermittent tributary to Martins Brook, from source in wetland west of the Route 93/Route 125 intersection, Wilmington to confluence with Martins Brook, Wilmington.                                                       | 1.3      | MILES        | 5        |
| Upper Boston Brook Pond | MA92070    | Middleton                                                                                                                                                                                                                           | 7.054    | ACRES        | 3        |
| Wenham Lake             | MA92073    | Beverly/Wenham                                                                                                                                                                                                                      | 242.571  | ACRES        | 5        |
| Wills Brook             | MA92-10    | Headwater, (just north of Lowell Street) Lynnfield to confluence with Ipswich River, Lynnfield.                                                                                                                                     | 1.701    | MILES        | 5        |
| Winona Pond             | MA92077    | Peabody                                                                                                                                                                                                                             | 91.393   | ACRES        | 3        |
| <b>Islands</b>          |            |                                                                                                                                                                                                                                     |          |              |          |
| Cape Poge Bay           | MA97-08    | From the outlet of The Lagoon at Toms Neck, Edgartown to the confluence with Edgartown Harbor at the Cape Poge Gut, (excluding Shear Pin Pond and Pease Pond) Edgartown, Martha's Vineyard.                                         | 2.296    | SQUARE MILES | 2        |
| Chilmark Pond           | MA97-05    | South of South Road including Wades Cove and Gilberts Cove, Chilmark, Martha's Vineyard.                                                                                                                                            | 0.313379 | SQUARE MILES | 5        |
| Coskata Pond            | MA97-03    | Pond north of Nantucket Harbor, Nantucket to confluence with Nantucket Harbor, Nantucket                                                                                                                                            | 0.082    | SQUARE MILES | 2        |
| Cuttyhunk Pond          | MA97-21    | Waters west of the channel connecting Cuttyhunk Pond to Cuttyhunk Harbor, Gosnold, Elizabeth Islands. (Changed from MA95-26 to MA97-21 on 10/7/97)                                                                                  | 0.154    | SQUARE MILES | 5        |
| Edgartown Great Pond    | MA97-17    | excluding Jacobs Pond (PALIS# 97038) Edgartown, Martha's Vineyard.                                                                                                                                                                  | 1.355    | SQUARE MILES | 5        |
| Edgartown Harbor        | MA97-15    | Waters west of Cape Poge Gut bounded by an imaginary line drawn from Chappaquiddick Point to Dock Street and northeasterly from the end of Plantingfield Way to Cape Poge Elbow (excluding Eel Pond), Edgartown, Martha's Vineyard. | 3.086    | SQUARE MILES | 5        |
| Gibbs Pond              | MA97028    | Nantucket                                                                                                                                                                                                                           | 34.048   | ACRES        | 4A       |
| Great Point Pond        | MA97-04    | On Great Point, to confluence with Nantucket Sound, Nantucket                                                                                                                                                                       | 0.056    | SQUARE MILES | 2        |
| Hither Creek            | MA97-28    | From the outlet of Madaket Ditch to Madaket Harbor at an imaginary line drawn easterly from Jackson Point to Little Neck, Nantucket                                                                                                 | 0.067    | SQUARE MILES | 5        |
| Katama Bay              | MA97-16    | Waters south of an imaginary line from Chappaquiddick Point to Dock Street excluding Caleb Pond and Mattakeset Bay, Edgartown, Martha's Vineyard.                                                                                   | 2.044    | SQUARE MILES | 5        |
| Lagoon Pond             | MA97-11    | From Head of the Pond Road to confluence with Vineyard Haven Harbor at Beach Road, Tisbury/Oak Bluffs, Martha's Vineyard.                                                                                                           | 0.819    | SQUARE MILES | 5        |
| Lake Tashmoo            | MA97-12    | Waters including Drew Cove and Rhoda Pond to confluence with Vineyard Sound at channel south of Herring Creek Road, Tisbury, Martha's Vineyard.                                                                                     | 0.414    | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                         | SIZE   | UNITS        | CATEGORY |
|-----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------|
| Long Pond             | MA97-29    | South of Madaket Road, including White Goose Cove, Nantucket                                                                                                                                                                        | 0.121  | SQUARE MILES | 5        |
| Madaket Harbor        | MA97-27    | Waters encompassed within imaginary lines from Eel Point to the northern tip of Esther Island, from the southern tip of Esther Island southeasterly to the opposite shore and from Jackson Point easterly to Little Neck, Nantucket | 1.437  | SQUARE MILES | 5        |
| Mattakeset Bay        | MA97-14    | Waters west of an imaginary line drawn southeasterly from Katama Point to Norton Point, Edgartown, Martha's Vineyard.                                                                                                               | 0.173  | SQUARE MILES | 2        |
| Menemsha Pond         | MA97-06    | Waters between Nashaquitsa Pond and Menemsha Creek, Chilmark/Gay Head, Martha's Vineyard.                                                                                                                                           | 0.891  | SQUARE MILES | 2        |
| Miacomet Pond         | MA97055    | Nantucket                                                                                                                                                                                                                           | 34.227 | ACRES        | 4A       |
| Mill Brook            | MA97-22    | Outlet of Bliss Pond, Chilmark to inlet Chilmark Pond, Chilmark, Martha's Vineyard                                                                                                                                                  | 2.392  | MILES        | 2        |
| Mill Brook            | MA97-24    | Source in wetlands west of Roth Woodland Road, Chilmark to inlet Old Millpond, West Tisbury, Martha's Vineyard                                                                                                                      | 3.416  | MILES        | 2        |
| Nantucket Harbor      | MA97-01    | Waters south and east of an imaginary line drawn from Jetties Beach to Coatue Point (excluding Polpis Harbor and Coskata Pond), Nantucket.                                                                                          | 7.16   | SQUARE MILES | 5        |
| Oak Bluffs Harbor     | MA97-07    | North of Lake Avenue to confluence with Nantucket Sound, Oak Bluffs, Martha's Vineyard.                                                                                                                                             | 0.047  | SQUARE MILES | 5        |
| Oyster Pond           | MA97-13    | Including Ripley Cove, Edgartown, Martha's Vineyard.                                                                                                                                                                                | 0.293  | SQUARE MILES | 3        |
| Paint Mill Brook      | MA97-23    | Source east of Tea Lane, Chilmark to inlet of Paint Mill Brook Pond, Chilmark, Martha's Vineyard                                                                                                                                    | 0.884  | MILES        | 2        |
| Polpis Harbor         | MA97-26    | Polpis Harbor and all adjacent coves, to an imaginary line drawn from Quaise Point to the opposite shore, Nantucket.                                                                                                                | 0.302  | SQUARE MILES | 5        |
| Sengekontacket Pond   | MA97-10    | Between East Vineyard Haven Road and Beach Road, including Majors Cove, Edgartown/Oak Bluffs, Martha's Vineyard.                                                                                                                    | 1.098  | SQUARE MILES | 2        |
| Sesachacha Pond       | MA97-02    | South of Quidnet Road and north of Polpis Road, Nantucket.                                                                                                                                                                          | 0.423  | SQUARE MILES | 5        |
| Seths Pond            | MA97085    | West Tisbury                                                                                                                                                                                                                        | 10.82  | ACRES        | 5        |
| Tiasquam River        | MA97-25    | Source in wetlands west of Tea Lane, Chilmark to inlet of Looks Pond, West Tisbury, Martha's Vineyard                                                                                                                               | 2.83   | MILES        | 2        |
| Tisbury Great Pond    | MA97-18    | Including Town Cove, Muddy Cove, Pear Tree Cove, Short Cove, Tiah Cove, Tississa Pond, Deep Bottom Cove, and Thumb Cove, Chilmark/West Tisbury, Martha's Vineyard.                                                                  | 1.103  | SQUARE MILES | 5        |
| Tom Nevers Pond       | MA97097    | Nantucket                                                                                                                                                                                                                           | 11.221 | ACRES        | 4A       |
| Vineyard Haven Harbor | MA97-09    | The waters south and west of an imaginary line drawn from the tip of West Chop, Tisbury and the tip of East Chop, Oak Bluffs to the confluence of Lagoon Pond at Beach Road, Tisbury/Oak Bluffs, Martha's Vineyard.                 | 1.545  | SQUARE MILES | 5        |
| Westend Pond          | MA97-20    | Cuttyhunk Island, Gosnold, Elizabeth Islands.                                                                                                                                                                                       | 0.058  | SQUARE MILES | 5        |
| <b>Merrimack</b>      |            |                                                                                                                                                                                                                                     |        |              |          |
| Back River            | MA84A-16   | New Hampshire state line, Amesbury to inlet Clarks Pond, Amesbury.                                                                                                                                                                  | 2.7    | MILES        | 5        |
| Bailey Pond           | MA84003    | Amesbury                                                                                                                                                                                                                            | 13     | ACRES        | 3        |
| Bare Meadow Brook     | MA84A-18   | Headwaters, Methuen to confluence with Merrimack River, Methuen.                                                                                                                                                                    | 3      | MILES        | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                     | SIZE | UNITS | CATEGORY |
|----------------------|------------|-----------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Bartlett Brook       | MA84A-36   | New Hampshire state line, Dracut to inlet Mill Pond, Methuen.                                                   | 3.7  | MILES | 5        |
| Beaver Brook         | MA84A-11   | New Hampshire state line, Dracut to confluence with Merrimack River, Lowell.                                    | 4.8  | MILES | 5        |
| Beaver Brook         | MA84B-02   | Outlet Mill Pond, Littleton to inlet Forge Pond, Westford.                                                      | 4.9  | MILES | 5        |
| Beaver Brook         | MA84B-05   | Headwaters, outlet of "Wolf Swamp", Boxborough to inlet of Mill Pond, Littleton.                                | 5.5  | MILES | 3        |
| Bennetts Brook       | MA84B-06   | Headwaters, north of Route 2, Harvard to the inlet of Spectacle Pond, Ayer/Littleton.                           | 4.3  | MILES | 5        |
| Black Brook          | MA84A-17   | Headwaters, Chelmsford to confluence with Merrimack River, Lowell.                                              | 2.3  | MILES | 5        |
| Bridge Meadow Brook  | MA84A-34   | Headwaters, north of Chestnut Road, Tyngsborough to inlet Flint Pond, Tyngsborough.                             | 4    | MILES | 2        |
| Chadwicks Pond       | MA84006    | Haverhill/Boxford                                                                                               | 173  | ACRES | 5        |
| Cobbler Brook        | MA84A-22   | Headwaters, Merrimac to confluence with Merrimack River, Merrimac.                                              | 4.4  | MILES | 4C       |
| Creek Brook          | MA84A-37   | Headwaters, outlet Crystal Lake, Haverhill to confluence with Merrimack River, Haverhill.                       | 2.3  | MILES | 5        |
| Crystal Lake         | MA84010    | Haverhill                                                                                                       | 161  | ACRES | 5        |
| Deep Brook           | MA84A-21   | Headwaters east of Everett Turnpike, Tyngsborough to confluence with Merrimack River, Chelmsford.               | 2.9  | MILES | 5        |
| East Meadow River    | MA84A-39   | Headwaters, outlet Neal Pond, Haverhill to inlet Millvale Reservoir, Haverhill.                                 | 3    | MILES | 5        |
| Fish Brook           | MA84A-40   | Headwaters, east of Greenwood Road, Andover to confluence with Merrimack River at Fish Brook Dam, Andover.      | 4.1  | MILES | 5        |
| Flint Pond           | MA84012    | Tyngsborough                                                                                                    | 72   | ACRES | 5        |
| Forest Lake          | MA84014    | Methuen                                                                                                         | 48   | ACRES | 5        |
| Forge Pond           | MA84015    | Westford/Littleton                                                                                              | 203  | ACRES | 4A       |
| Haggets Pond         | MA84022    | Andover                                                                                                         | 211  | ACRES | 5        |
| Hoveys Pond          | MA84025    | Boxford                                                                                                         | 36   | ACRES | 5        |
| Johnson Creek        | MA84A-15   | Headwaters, Groveland (excluding intermittent portion) to confluence with Merrimack River, Groveland/Haverhill. | 1.1  | MILES | 5        |
| Johnsons Pond        | MA84027    | Groveland/Boxford                                                                                               | 194  | ACRES | 5        |
| Joint Grass Brook    | MA84A-32   | Headwaters, between Hollis Street and Hawk Swamp, Dunstable to the confluence with Salmon Brook, Dunstable.     | 3.2  | MILES | 2        |
| Kenoza Lake          | MA84028    | Haverhill                                                                                                       | 240  | ACRES | 5        |
| Knops Pond/Lost Lake | MA84084    | Groton                                                                                                          | 187  | ACRES | 4A       |
| Lake Attitash        | MA84002    | Amesbury/Merrimac                                                                                               | 369  | ACRES | 5        |
| Lake Cochichewick    | MA84008    | North Andover                                                                                                   | 575  | ACRES | 5        |
| Lake Mascuppic       | MA84037    | Tyngsborough/Dracut                                                                                             | 210  | ACRES | 4C       |
| Lake Pentucket       | MA84051    | Haverhill                                                                                                       | 38   | ACRES | 5        |
| Lake Saltonstall     | MA84059    | Haverhill                                                                                                       | 44   | ACRES | 5        |
| Lawrence Brook       | MA84A-20   | Headwaters, Tyngsborough (excluding intermittent portion) to confluence with Merrimack River, Tyngsborough.     | 2    | MILES | 2        |
| Little River         | MA84A-09   | New Hampshire state line, Haverhill to confluence with Merrimack River, Haverhill.                              | 4.6  | MILES | 5        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                        | SEGMENT ID | DESCRIPTION                                                                                                                                                                | SIZE | UNITS        | CATEGORY |
|-----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| Locust Pond                 | MA84031    | Tyngsborough                                                                                                                                                               | 16   | ACRES        | 4A       |
| Long Pond                   | MA84032    | Dracut/Tyngsborough (size indicates portion in Massachusetts)                                                                                                              | 137  | ACRES        | 5        |
| Lowell Canals               | MA84A-29   | Canal system near Pawtucket Falls, Lowell.                                                                                                                                 | 4.9  | MILES        | 5        |
| Martins Pond Brook          | MA84A-19   | Outlet Martins Pond, Groton to inlet Lost Lake, Groton.                                                                                                                    | 2.3  | MILES        | 2        |
| Massapoag Pond              | MA84087    | Dunstable/Groton/Tyngsborough                                                                                                                                              | 111  | ACRES        | 5        |
| Merrimack River             | MA84A-01   | State line at Hudson, NH/Tyngsborough, MA to Pawtucket Dam, Lowell.                                                                                                        | 9    | MILES        | 5        |
| Merrimack River             | MA84A-02   | Pawtucket Dam, Lowell to Lowell Regional Wastewater Utilities outfall at Duck Island, Lowell.                                                                              | 3.2  | MILES        | 5        |
| Merrimack River             | MA84A-03   | Lowell Regional Wastewater Utilities outfall at Duck Island, Lowell to Essex Dam, Lawrence.                                                                                | 8.8  | MILES        | 5        |
| Merrimack River             | MA84A-04   | Essex Dam, Lawrence to confluence with Little River, Haverhill.                                                                                                            | 10   | MILES        | 5        |
| Merrimack River             | MA84A-05   | Confluence Little River, Haverhill to confluence Indian River, West Newbury/Amesbury.                                                                                      | 1.83 | SQUARE MILES | 5        |
| Merrimack River             | MA84A-06   | Confluence Indian River, West Newbury/Amesbury to mouth at Atlantic Ocean, Newburyport/Salisbury (includes Back River, Salisbury).                                         | 4.46 | SQUARE MILES | 5        |
| Merrimack River             | MA84A-26   | The Basin in the Merrimack River Estuary, Newbury/Newburyport.                                                                                                             | 0.17 | SQUARE MILES | 5        |
| Mill Pond                   | MA84038    | [North Basin] Littleton                                                                                                                                                    | 30   | ACRES        | 5        |
| Mill Pond                   | MA84039    | West Newbury                                                                                                                                                               | 18   | ACRES        | 3        |
| Mill Pond                   | MA84081    | [South Basin] Littleton                                                                                                                                                    | 12   | ACRES        | 5        |
| Millvale Reservoir          | MA84041    | Haverhill                                                                                                                                                                  | 44   | ACRES        | 5        |
| Nabnasset Pond              | MA84044    | Westford                                                                                                                                                                   | 134  | ACRES        | 4A       |
| Newfield Pond               | MA84046    | Chelmsford                                                                                                                                                                 | 77   | ACRES        | 5        |
| Peppermint Brook            | MA84A-35   | Headwaters, outlet of unnamed pond east of Route 38, Dracut to confluence with Beaver Brook, Dracut.                                                                       | 2.7  | MILES        | 5        |
| Plum Island River           | MA84A-27   | From Chaces Island, Merrimack River Estuary, to the "high sandy" sand bar just north of the confluence with Pine Island Creek, Newbury (formerly encompassed in MA84A-23). | 0.13 | SQUARE MILES | 5        |
| Powwow River                | MA84A-08   | Tidal portion, just downstream of Main Street, Amesbury to confluence with Merrimack River, Amesbury.                                                                      | 0.06 | SQUARE MILES | 5        |
| Powwow River                | MA84A-25   | Outlet of Lake Gardner, Amesbury to tidal portion, just downstream of Main Street, Amesbury.                                                                               | 0.6  | MILES        | 5        |
| Powwow River                | MA84A-28   | Headwaters, outlet Tuxbury Pond, Amesbury to New Hampshire state line, Amesbury.                                                                                           | 2.9  | MILES        | 5        |
| Reed Brook                  | MA84B-08   | Headwaters, south of the West Street/Cowdry Hill Road intersection, Westford to the confluence with Stony Brook, Westford.                                                 | 0.6  | MILES        | 2        |
| Richardson Brook            | MA84A-12   | Headwaters, Dracut (excluding intermittent portion) to confluence with Merrimack River, Dracut.                                                                            | 1.9  | MILES        | 5        |
| Salmon Brook                | MA84A-33   | Headwaters, outlet Lower Massapoag Pond, Dunstable to New Hampshire state line, Dunstable.                                                                                 | 2.9  | MILES        | 2        |
| South Branch Souhegan River | MA84A-31   | Headwaters, outlet Watatic Pond, Ashburnham to New Hampshire state line, Ashby.                                                                                            | 3    | MILES        | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                  | SIZE     | UNITS        | CATEGORY |
|-------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Spectacle Pond          | MA84089    | Littleton/Ayer                                                                                                                                                                                               | 79       | ACRES        | 5        |
| Spicket River           | MA84A-10   | New Hampshire state line, Methuen to confluence with Merrimack River, Lawrence.                                                                                                                              | 5.8      | MILES        | 5        |
| Stevens Pond            | MA84064    | North Andover                                                                                                                                                                                                | 23       | ACRES        | 5        |
| Stony Brook             | MA84B-03   | Outlet Forge Pond, Westford to Brookside Road, Westford.                                                                                                                                                     | 6.5      | MILES        | 5        |
| Stony Brook             | MA84B-04   | Brookside Road, Westford to confluence with Merrimack River, Chelmsford.                                                                                                                                     | 3.4      | MILES        | 5        |
| Tadmuck Brook           | MA84B-07   | Headwaters south of Main Street, Westford to confluence with Stony Brook, Westford.                                                                                                                          | 1.4      | MILES        | 5        |
| Trout Brook             | MA84A-13   | Headwaters, Dracut to confluence with Richardson Brook, Dracut.                                                                                                                                              | 2.6      | MILES        | 5        |
| Trull Brook             | MA84A-14   | Source, Tewksbury (excluding intermittent portion) to confluence with Merrimack River, Tewksbury.                                                                                                            | 2.1      | MILES        | 5        |
| Unnamed Tributary       | MA84A-30   | Unnamed tributary to Powwow River locally considered portion of Back River from outlet of Clarks Pond, Amesbury to confluence with Powwow River, Amesbury (formerly portion of segment MA84A-16).            | 0.003    | SQUARE MILES | 5        |
| Unnamed Tributary       | MA84A-38   | (Locally known as Argilla Brook) Unnamed tributary to Johnson Creek (excluding intermittent portion) from Center Street, Groveland to confluence with Johnson Creek, Groveland.                              | 1.3      | MILES        | 2        |
| Unnamed Tributary       | MA84B-01   | (Locally known as Reedy Meadow Brook) Headwaters, outlet of small unnamed impoundment upstream of Bruce Street, Littleton to inlet Mill Pond, Littleton.                                                     | 1.5      | MILES        | 5        |
| Uptons Pond             | MA84075    | Tyngsborough                                                                                                                                                                                                 | 6        | ACRES        | 3        |
| Ward Pond               | MA84096    | PALIS id changed from 35094 to 84096 on October 10, 1997. (WBID from MA35094 to MA84096) Ashburnham                                                                                                          | 54       | ACRES        | 5        |
| <b>Millers</b>          |            |                                                                                                                                                                                                              |          |              |          |
| Bassett Pond            | MA35002    | New Salem                                                                                                                                                                                                    | 26.012   | ACRES        | 3        |
| Beaver Brook            | MA35-09    | Fernald School discharge, Templeton to confluence with Millers River, Royalston.                                                                                                                             | 3.426302 | MILES        | 5        |
| Beaver Flowage Pond     | MA35005    | (Beaver Pond) Royalston                                                                                                                                                                                      | 38.034   | ACRES        | 3        |
| Bents Pond              | MA35006    | Hubbardston                                                                                                                                                                                                  | 28.747   | ACRES        | 3        |
| Bents Pond              | MA35007    | Gardner                                                                                                                                                                                                      | 6.158    | ACRES        | 4A       |
| Bourn-Hadley Pond       | MA35008    | Templeton                                                                                                                                                                                                    | 25.788   | ACRES        | 4A       |
| Bowens Pond             | MA35009    | Wendell                                                                                                                                                                                                      | 16.774   | ACRES        | 3        |
| Boyce Brook             | MA35-17    | NH State Line, Royalston to confluence with East Branch Tully River, Royalston.                                                                                                                              | 3.227    | MILES        | 5        |
| Brazell Pond            | MA35010    | Templeton                                                                                                                                                                                                    | 14.669   | ACRES        | 4A       |
| Cowee Pond              | MA35013    | Gardner                                                                                                                                                                                                      | 18.263   | ACRES        | 3        |
| Crystal Lake            | MA35014    | Gardner                                                                                                                                                                                                      | 142.259  | ACRES        | 3        |
| Davenport Pond          | MA35015    | Petersham/Athol                                                                                                                                                                                              | 30.42    | ACRES        | 3        |
| Depot Pond              | MA35018    | (Railroad Pond) Templeton                                                                                                                                                                                    | 15.208   | ACRES        | 4A       |
| Dunn Pond               | MA35021    | Gardner                                                                                                                                                                                                      | 17.997   | ACRES        | 2        |
| East Branch Tully River | MA35-12    | Confluence of Tully Brook and Falls Brook in Royalston State Forest, Royalston through Long Pond and Tully Lake to confluence with the West Branch Tully River forming headwaters Tully River, Orange/Athol. | 10.013   | MILES        | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                         | SIZE     | UNITS | CATEGORY |
|---------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| East Templeton Pond | MA35022    | Templeton                                                                                                                           | 8.891    | ACRES | 3        |
| Ellis Pond          | MA35023    | Athol                                                                                                                               | 87.539   | ACRES | 4A       |
| Gales Pond          | MA35024    | Warwick                                                                                                                             | 11.732   | ACRES | 5        |
| Greenwood Pond      | MA35025    | Westminster                                                                                                                         | 26.984   | ACRES | 3        |
| Greenwood Pond      | MA35026    | Templeton                                                                                                                           | 12.451   | ACRES | 4A       |
| Hastings Pond       | MA35028    | Warwick                                                                                                                             | 18.311   | ACRES | 3        |
| Hilchey Pond        | MA35029    | Gardner                                                                                                                             | 7.61     | ACRES | 4A       |
| Kendall Pond        | MA35034    | Gardner                                                                                                                             | 21.907   | ACRES | 3        |
| Keyup Brook         | MA35-16    | Headwaters Great Swamp Northfield State Forest, Northfield, to confluence with Millers River, Erving.                               | 4.968    | MILES | 5        |
| Lake Denison        | MA35017    | Winchendon                                                                                                                          | 83.492   | ACRES | 4A       |
| Lake Mattawa        | MA35112    | (PALIS ID Changed on 10/6/97 from 36092 to 35112 - Concurrently changed WBID to reflect this change - See PALIS for details) Orange | 111.982  | ACRES | 2        |
| Lake Monomonac      | MA35047    | Massachusetts portion only. Winchendon/Rindge,N.H.                                                                                  | 185.507  | ACRES | 5        |
| Lake Rohunta        | MA35070    | (Middle Basin) Athol/Orange/New Salem                                                                                               | 208.954  | ACRES | 5        |
| Lake Rohunta        | MA35106    | (North Basin) Athol/Orange                                                                                                          | 34.359   | ACRES | 4A       |
| Lake Rohunta        | MA35107    | (South Basin) New Salem                                                                                                             | 41.63    | ACRES | 5        |
| Lake Watatic        | MA35095    | Ashburnham                                                                                                                          | 133.102  | ACRES | 3        |
| Laurel Lake         | MA35035    | Erving/Warwick                                                                                                                      | 44.426   | ACRES | 5        |
| Lawrence Brook      | MA35-13    | New Hampshire state line, Royalston through Doane Falls to confluence with East Branch Tully River, Royalston.                      | 7.124    | MILES | 5        |
| Little Pond         | MA35037    | Royalston                                                                                                                           | 9.977    | ACRES | 3        |
| Lower Naukeag Lake  | MA35041    | Ashburnham                                                                                                                          | 295.481  | ACRES | 3        |
| Lyons Brook         | MA35-19    | Outlet of Ruggles Pond, Wendell to confluence with Millers River, Montague/Wendell                                                  | 2.119    | MILES | 5        |
| Millers River       | MA35-01    | Outlet of Whitney Pond, Winchendon to Winchendon WWTP, Winchendon.                                                                  | 3.303    | MILES | 5        |
| Millers River       | MA35-02    | Winchendon WWTP, Winchendon to confluence with Otter River, Winchendon.                                                             | 5.609    | MILES | 5        |
| Millers River       | MA35-03    | Confluence with Otter River, Winchendon to South Royalston USGS Gage, Royalston.                                                    | 3.516031 | MILES | 5        |
| Millers River       | MA35-04    | South Royalston USGS Gage, Royalston to Erving Center WWTP (formerly known as Erving Paper Company), Erving.                        | 18.462   | MILES | 5        |
| Millers River       | MA35-05    | Erving Center WWTP (formerly known as Erving Paper Company), Erving to confluence with Connecticut River, Erving.                   | 9.21     | MILES | 5        |
| Millers River       | MA35-20    | Outlet of Sunset Lake, Ashburnham to inlet of Whitney Pond, Winchendon.                                                             | 6.362    | MILES | 3        |
| Minott Pond         | MA35046    | Westminster                                                                                                                         | 8.439    | ACRES | 3        |
| Minott Pond South   | MA35045    | Westminster                                                                                                                         | 27.319   | ACRES | 3        |
| Moore's Pond        | MA35048    | Warwick                                                                                                                             | 39.114   | ACRES | 4A       |
| Mormon Hollow Brook | MA35-15    | Headwaters just north of Montague Road, Wendell to confluence with Millers River, Wendell.                                          | 3.825    | MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                         | SIZE     | UNITS | CATEGORY |
|----------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| North Branch Millers River | MA35-21    | Outlet of Lake Mononomac, Winchendon to inlet of Whitney Pond, Winchendon                                                                                                           | 2.006    | MILES | 5        |
| North Spectacle Pond       | MA35052    | New Salem                                                                                                                                                                           | 42.893   | ACRES | 3        |
| Otter River                | MA35-06    | Source, Hubbardston (north of Pitcherville Road) to Gardner WWTP, Gardner/Templeton.                                                                                                | 4.304796 | MILES | 2        |
| Otter River                | MA35-07    | Gardner WWTP, Gardner/Templeton to Seaman Paper Dam, Templeton.                                                                                                                     | 4.379    | MILES | 5        |
| Otter River                | MA35-08    | Seaman Paper Dam, Templeton to confluence with Millers River, Winchendon.                                                                                                           | 5.548    | MILES | 5        |
| Packard Pond               | MA35053    | Orange                                                                                                                                                                              | 43.116   | ACRES | 3        |
| Parker Pond                | MA35056    | Gardner                                                                                                                                                                             | 32.188   | ACRES | 4A       |
| Partridgeville Pond        | MA35057    | Templeton                                                                                                                                                                           | 37.685   | ACRES | 3        |
| Perley Brook Reservoir     | MA35059    | Gardner                                                                                                                                                                             | 54.682   | ACRES | 3        |
| Phillipston Reservoir      | MA35060    | Philipston/Athol                                                                                                                                                                    | 19.931   | ACRES | 3        |
| Priest Brook               | MA35-10    | Headwaters at the confluence of Towne and Scott Brooks, Royalston to the confluence with the Millers River, Winchendon. (According to SARIS includes lower portion of Scott Brook.) | 6.826    | MILES | 2        |
| Ramsdall Pond              | MA35062    | Gardner                                                                                                                                                                             | 2.145    | ACRES | 4A       |
| Reservoir No. 1            | MA35063    | Athol                                                                                                                                                                               | 7.684    | ACRES | 4A       |
| Reservoir No. 2            | MA35064    | Phillipston/Athol (Secret Lake)                                                                                                                                                     | 48.32    | ACRES | 3        |
| Riceville Pond             | MA35065    | Athol/Petersham                                                                                                                                                                     | 61.372   | ACRES | 3        |
| Richards Reservoir         | MA35067    | Warwick                                                                                                                                                                             | 21.202   | ACRES | 3        |
| Royalston Road Pond        | MA35071    | Orange                                                                                                                                                                              | 5.306    | ACRES | 3        |
| Ruggles Pond               | MA35072    | Wendell                                                                                                                                                                             | 14.832   | ACRES | 2        |
| Sheomet Lake               | MA35074    | Warwick                                                                                                                                                                             | 30.583   | ACRES | 3        |
| South Athol Pond           | MA35078    | Athol                                                                                                                                                                               | 82.785   | ACRES | 4A       |
| South Spectacle Pond       | MA35081    | New Salem                                                                                                                                                                           | 37.892   | ACRES | 3        |
| Sportsmans Pond            | MA35082    | Athol                                                                                                                                                                               | 92.724   | ACRES | 3        |
| Stoddard Pond              | MA35083    | Winchendon                                                                                                                                                                          | 51.848   | ACRES | 4A       |
| Sunset Lake                | MA35086    | Ashburnham/Winchendon                                                                                                                                                               | 274.257  | ACRES | 3        |
| Tully Lake                 | MA35111    | Royalston/Athol                                                                                                                                                                     | 213.679  | ACRES | 3        |
| Tully Pond                 | MA35089    | Orange                                                                                                                                                                              | 70.152   | ACRES | 3        |
| Tully River                | MA35-14    | Confluence East and West Branches Tully River, Orange/Athol to confluence with Millers River, Athol.                                                                                | 1.585    | MILES | 5        |
| Upper Naukeag Lake         | MA35090    | Ashburnham                                                                                                                                                                          | 305.262  | ACRES | 4A       |
| Upper Reservoir            | MA35091    | Westminster                                                                                                                                                                         | 41.563   | ACRES | 4A       |
| Wallace Pond               | MA35092    | Ashburnham                                                                                                                                                                          | 46.086   | ACRES | 3        |
| Ward Pond                  | MA35093    | Athol                                                                                                                                                                               | 5.899    | ACRES | 3        |
| West Branch Tully River    | MA35-11    | Outlet Sheomet Lake, Warwick to confluence with East Branch Tully River forming headwaters Tully River, Orange/Athol.                                                               | 6.619    | MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                            | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                | SIZE    | UNITS        | CATEGORY |
|---------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| Wheelers Pond                   | MA35097    | Warwick                                                                                                                                                                                                                                                                                                                                    | 28.286  | ACRES        | 3        |
| Whetstone Brook                 | MA35-18    | Headwaters northeast of Orcutt Hill near New Salem Rd, Wendell to confluence with Millers River, Wendell.                                                                                                                                                                                                                                  | 4.885   | MILES        | 5        |
| White Pond                      | MA35098    | Athol                                                                                                                                                                                                                                                                                                                                      | 62.629  | ACRES        | 4C       |
| Whites Mill Pond                | MA35099    | Winchendon                                                                                                                                                                                                                                                                                                                                 | 42.426  | ACRES        | 5        |
| Whitney Pond                    | MA35101    | Winchendon                                                                                                                                                                                                                                                                                                                                 | 96.839  | ACRES        | 5        |
| Wickett Pond                    | MA35102    | Wendell                                                                                                                                                                                                                                                                                                                                    | 29.931  | ACRES        | 3        |
| Wrights Reservoir               | MA35104    | Gardner/Westminster                                                                                                                                                                                                                                                                                                                        | 130.848 | ACRES        | 3        |
| <b>Mount Hope Bay (Shore)</b>   |            |                                                                                                                                                                                                                                                                                                                                            |         |              |          |
| Cole River                      | MA61-03    | Wood Street, Swansea to Route 6, Swansea                                                                                                                                                                                                                                                                                                   | 1.6     | MILES        | 4C       |
| Cole River                      | MA61-04    | Route 6, Swansea to the mouth at Mount Hope Bay at old railway grade, Swansea                                                                                                                                                                                                                                                              | 0.31    | SQUARE MILES | 5        |
| Cook Pond                       | MA61001    | Fall River, MA/Tiverton, RI                                                                                                                                                                                                                                                                                                                | 157     | ACRES        | 3        |
| Kickamuit River                 | MA61-08    | Outlet Warren Reservoir, Swansea, to state line, Swansea, MA/Warren, RI                                                                                                                                                                                                                                                                    | 2.8     | MILES        | 4A       |
| Lee River                       | MA61-01    | From confluence with Lewin Brook, Swansea to Route 6, Swansea/Somerset                                                                                                                                                                                                                                                                     | 0.02    | SQUARE MILES | 5        |
| Lee River                       | MA61-02    | Route 6, Swansea/Somerset to mouth at Mount Hope Bay, Swansea/Somerset                                                                                                                                                                                                                                                                     | 0.51    | SQUARE MILES | 5        |
| Lewin Brook Pond                | MA61011    | Swansea                                                                                                                                                                                                                                                                                                                                    | 11      | ACRES        | 4A       |
| Mount Hope Bay                  | MA61-06    | the Massachusetts portion from the Braga Bridge, Fall River/Somerset to the state border Fall River, MA/Tiverton, RI to the line from Braton Point Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI                                                                                                        | 2.29    | SQUARE MILES | 5        |
| Mount Hope Bay                  | MA61-07    | the Massachusetts portion from mouth of Cole River (at old railway grade), Swansea to state border Swansea, MA/Warren, RI to the line from Brayton Point, Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI to the line between Bay Point, Swansea and Brayton Point, Somerset (the mouth of the Lee River) | 1.84    | SQUARE MILES | 5        |
| North Watuppa Pond              | MA61004    | Fall River/Westport                                                                                                                                                                                                                                                                                                                        | 1730    | ACRES        | 4A       |
| Quequechan River                | MA61-05    | Outlet South Watuppa Pond, Fall River to confluence with the Taunton River/Mount Hope Bay (at Braga Bridge), Fall River                                                                                                                                                                                                                    | 2.4     | MILES        | 4C       |
| Sawdy Pond                      | MA61005    | Westport/Fall River                                                                                                                                                                                                                                                                                                                        | 368     | ACRES        | 4A       |
| South Watuppa Pond              | MA61006    | Fall River/Westport                                                                                                                                                                                                                                                                                                                        | 1473    | ACRES        | 3        |
| <b>Narragansett Bay (Shore)</b> |            |                                                                                                                                                                                                                                                                                                                                            |         |              |          |
| Bad Luck Brook                  | MA53-11    | Headwaters, outlet Warren Upper Reservoir, Rehoboth to confluence with East Branch Palmer River, Rehoboth                                                                                                                                                                                                                                  | 1.7     | MILES        | 3        |
| Beaverdam Brook                 | MA53-10    | Headwaters, southeast of Chestnut Street, Rehoboth to confluence with Palmer River, Rehoboth                                                                                                                                                                                                                                               | 2.9     | MILES        | 3        |
| Clear Run Brook                 | MA53-13    | Headwaters, outlet unnamed pond northwest of Miller Street, Seekonk to confluence with Palmer River, Rehoboth                                                                                                                                                                                                                              | 1.6     | MILES        | 4A       |
| East Branch Palmer River        | MA53-08    | Headwaters, near Stevens Corner Cemetery, Rehoboth to confluence with West Branch Palmer River (forming Palmer River), Rehoboth                                                                                                                                                                                                            | 7.2     | MILES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                 | SIZE  | UNITS        | CATEGORY |
|--------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|
| Fullers Brook            | MA53-12    | Headwaters in wetland north of Jacobs Street, Seekonk to confluence with Palmer River, Rehoboth                                             | 1.7   | MILES        | 3        |
| Oak Swamp Brook          | MA53-15    | Headwaters in Oak Swamp east of School Street, Rehoboth to confluence with Rocky Run, Rehoboth                                              | 3     | MILES        | 3        |
| Palmer River             | MA53-03    | From Route 6 bridge, Rehoboth to state line, Swansea, MA/Barrington, RI                                                                     | 0.11  | SQUARE MILES | 4A       |
| Palmer River             | MA53-04    | From confluence of East and West Branches of the Palmer River, Rehoboth to the Shad Factory Pond dam, Rehoboth                              | 5.6   | MILES        | 5        |
| Palmer River             | MA53-05    | From the Shad Factory Pond dam, Rehoboth to the Route 6 bridge, Rehoboth                                                                    | 0.09  | SQUARE MILES | 4A       |
| Rocky Run                | MA53-16    | Headwaters in wetland east of Simmons Street, Rehoboth to approximately 0.1 mile east of Mason Street, Rehoboth                             | 8.6   | MILES        | 4A       |
| Rocky Run                | MA53-18    | approximately 0.1 mile east of Mason Street, Rehoboth to confluence with Palmer River, Rehoboth                                             | 0.002 | SQUARE MILES | 4A       |
| Rumney Marsh Brook       | MA53-09    | Headwaters, east of Locust Avenue, Rehoboth to confluence with Beaverdam Brook, Rehoboth                                                    | 1.3   | MILES        | 3        |
| Runnins River            | MA53-01    | Route 44, Seekonk to Mobile Dam, Seekonk, MA/East Providence, RI (through Burrs Pond formerly segment MA53001)                              | 3.7   | MILES        | 5        |
| Torrey Creek             | MA53-14    | Headwaters in wetland east of Benson Avenue, Seekonk to Barney Avenue, Rehoboth (includes culverted section near Seekonk Speedway, Seekonk) | 2.1   | MILES        | 3        |
| Torrey Creek             | MA53-17    | From Barney Avenue, Rehoboth to confluence with Palmer River, Rehoboth                                                                      | 0.004 | SQUARE MILES | 4A       |
| Warren River Pond        | MA53-06    | Salt pond in Swansea on MA/RI border (portion in MA only)                                                                                   | 0.06  | SQUARE MILES | 4A       |
| West Branch Palmer River | MA53-07    | From confluence of Bliss Brook, Rehoboth to confluence with East Branch Palmer River (forming Palmer River), Rehoboth                       | 3.8   | MILES        | 3        |
| <b>Nashua</b>            |            |                                                                                                                                             |       |              |          |
| Ashby Reservoir          | MA81001    | Ashby                                                                                                                                       | 36    | ACRES        | 3        |
| Asnebumskit Brook        | MA81-56    | From outlet Eagle Lake, Holden to the confluence with the Quinapoxet River, Holden.                                                         | 2.9   | MILES        | 5        |
| Asnebumskit Pond         | MA81002    | Paxton                                                                                                                                      | 43    | ACRES        | 3        |
| Baker Brook              | MA81-62    | From headwaters at confluence of Pearl Hill and Falulah brooks, Fitchburg to confluence with North Nashua River, Fitchburg                  | 2.5   | MILES        | 3        |
| Ball Brook               | MA81-45    | Headwaters, north of Sterling Road, Holden to the confluence with the Stillwater River, Sterling.                                           | 1.6   | MILES        | 2        |
| Bare Hill Pond           | MA81007    | Harvard                                                                                                                                     | 311   | ACRES        | 4A       |
| Barrett Pond             | MA81162    | Leominster                                                                                                                                  | 7     | ACRES        | 3        |
| Bartlett Pond            | MA81008    | Lancaster                                                                                                                                   | 5     | ACRES        | 5        |
| Bartlett Pond            | MA81009    | Leominster                                                                                                                                  | 23    | ACRES        | 3        |
| Bixby Reservoir          | MA81010    | Townsend                                                                                                                                    | 21    | ACRES        | 3        |
| Catacoonamug Brook       | MA81-16    | Outlet Lake Shirley, Lunenburg to confluence with Nashua River, Shirley/Harvard.                                                            | 3.2   | MILES        | 2        |
| Chaffin Pond             | MA81017    | Holden                                                                                                                                      | 90    | ACRES        | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                   | SIZE | UNITS | CATEGORY |
|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Chaffins Brook       | MA81-33    | Headwaters south of Malden Street/west of Wachusett Street, Holden to inlet of Unionville Pond, Holden.                                                                                       | 0.9  | MILES | 2        |
| Coachlace Pond       | MA81019    | Clinton                                                                                                                                                                                       | 31   | ACRES | 3        |
| Connelly Brook       | MA81-57    | Headwaters, southwest of Rowley Hill Road, Sterling to the inlet of The Quag, Sterling.                                                                                                       | 2.9  | MILES | 2        |
| Coon Tree Pond       | MA81168    | Pepperell                                                                                                                                                                                     | 29   | ACRES | 3        |
| Crocker Pond         | MA81025    | Westminster                                                                                                                                                                                   | 101  | ACRES | 3        |
| Dawson Pond          | MA81028    | Holden                                                                                                                                                                                        | 22   | ACRES | 4C       |
| Eagle Lake           | MA81034    | Holden                                                                                                                                                                                        | 56   | ACRES | 4C       |
| East Wachusett Brook | MA81-30    | Headwaters northeast of Little Wachusett Mountain, Princeton to confluence with Stillwater River, Sterling.                                                                                   | 4.6  | MILES | 2        |
| East Waushacum Pond  | MA81035    | Sterling                                                                                                                                                                                      | 182  | ACRES | 3        |
| Fall Brook           | MA81-38    | From the outlet of Fall Brook Reservoir, Leominster to the inlet of Lake Samoset, Leominster (formerly part of segment MA81-14).                                                              | 1.3  | MILES | 3        |
| Fall Brook           | MA81-39    | From the outlet of Lake Samoset, Leominster to the confluence with the North Nashua River, Leominster (formerly part of segment MA81-14).                                                     | 3    | MILES | 2        |
| Fall Brook Reservoir | MA81038    | Leominster                                                                                                                                                                                    | 88   | ACRES | 3        |
| FALULAH BROOK        | MA81-63    | Headwaters near Ringe Road, Ashby to confluence with Pearl Hill Brook, forming headwaters Baker Brook, Fitchburg (excluding approximately 0.6 miles through Lovell Reservoir segment MA81074) | 6    | MILES | 3        |
| Fitchburg Reservoir  | MA81043    | Ashby                                                                                                                                                                                         | 150  | ACRES | 3        |
| Flag Brook           | MA81-10    | Outlet Crocker Pond, Westminster to confluence with North Nashua River, Fitchburg (excluding approximately 0.7 miles through Sawmill Pond segment MA81118).                                   | 2.2  | MILES | 2        |
| Flannagan Pond       | MA81044    | Ayer                                                                                                                                                                                          | 80   | ACRES | 4C       |
| Fort Pond            | MA81046    | Lancaster                                                                                                                                                                                     | 76   | ACRES | 5        |
| French Brook         | MA81-48    | Headwaters, west of Linden Street, Boylston to the inlet of Wachusett Reservoir (Andrews Harbor), Boylston.                                                                                   | 1.4  | MILES | 2        |
| Gates Brook          | MA81-24    | Headwaters west of Prospect Street, West Boylston to inlet Wachusett Reservoir (Gates Cove), West Boylston.                                                                                   | 3.4  | MILES | 5        |
| Grove Pond           | MA81053    | Ayer                                                                                                                                                                                          | 67   | ACRES | 5        |
| Haynes Reservoir     | MA81055    | Leominster                                                                                                                                                                                    | 56   | ACRES | 3        |
| Heald Pond           | MA81056    | Pepperell                                                                                                                                                                                     | 28   | ACRES | 3        |
| Hickory Hills Lake   | MA81031    | Lunenburg                                                                                                                                                                                     | 310  | ACRES | 4A       |
| Houghton Brook       | MA81-55    | Headwaters, south of Merrill Road, Sterling to confluence with Stillwater River, Sterling.                                                                                                    | 1.5  | MILES | 2        |
| Hy-Crest Pond        | MA81060    | Sterling                                                                                                                                                                                      | 104  | ACRES | 3        |
| James Brook          | MA81-20    | Headwaters, Groton to confluence with Nashua River, Ayer/Groton.                                                                                                                              | 3.9  | MILES | 5        |
| Justice Brook        | MA81-41    | Headwaters, outlet Stuart Pond, Sterling to confluence with Keyes Brook forming headwaters Stillwater River, Princeton/Sterling.                                                              | 1    | MILES | 2        |
| Kendall Reservoir    | MA81062    | Holden                                                                                                                                                                                        | 179  | ACRES | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                         | SIZE | UNITS | CATEGORY |
|----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Keyes Brook          | MA81-40    | Headwaters, outlet Paradise Pond, Princeton to confluence with Justice Brook forming headwaters Stillwater River, Princeton/Sterling.                               | 3.2  | MILES | 2        |
| Lake Samoset         | MA81116    | Leominster                                                                                                                                                          | 35   | ACRES | 4C       |
| Lake Shirley         | MA81122    | Lunenburg                                                                                                                                                           | 360  | ACRES | 5        |
| Lake Wampanoag       | MA81151    | Ashburnham/Gardner                                                                                                                                                  | 224  | ACRES | 4A       |
| Lake Whalom          | MA81154    | Lunenburg/Leominster                                                                                                                                                | 96   | ACRES | 4C       |
| Lancaster Millpond   | MA81065    | Clinton                                                                                                                                                             | 21   | ACRES | 3        |
| Lincoln Pond         | MA81070    | Ashburnham                                                                                                                                                          | 31   | ACRES | 3        |
| Long Pond            | MA81073    | Ayer/Groton                                                                                                                                                         | 46   | ACRES | 3        |
| Lovell Reservoir     | MA81074    | Fitchburg                                                                                                                                                           | 35   | ACRES | 3        |
| Lower Crow Hill Pond | MA81026    | Princeton/Westminster                                                                                                                                               | 14   | ACRES | 3        |
| Malagasco Brook      | MA81-29    | Headwaters southwest of Apron Hill, Boylston through Pine Swamp to the inlet of Wachusett Reservoir (South Bay), Boylston.                                          | 2.4  | MILES | 5        |
| Malden Brook         | MA81-27    | Headwaters northeast of Lee Street, West Boylston to the inlet of Wachusett Reservoir (Thomas Basin), West Boylston.                                                | 1.9  | MILES | 2        |
| Maple Spring Pond    | MA81077    | Holden                                                                                                                                                              | 39   | ACRES | 3        |
| Massapoag Pond       | MA81080    | Lunenburg                                                                                                                                                           | 64   | ACRES | 3        |
| Meetinghouse Pond    | MA81083    | Westminster                                                                                                                                                         | 151  | ACRES | 3        |
| Mirror Lake          | MA81084    | Fitchburg                                                                                                                                                           | 6    | ACRES | 3        |
| Mirror Lake          | MA81085    | Harvard                                                                                                                                                             | 28   | ACRES | 5        |
| Monoosnuc Brook      | MA81-13    | Outlet of Simonds Pond, Leominster to confluence with North Nashua River, Leominster (through former pond segments Pierce Pond MA 81101 and Rockwell Pond MA81112). | 6.1  | MILES | 5        |
| Morse Reservoir      | MA81086    | Leominster                                                                                                                                                          | 15   | ACRES | 3        |
| Muddy Brook          | MA81-28    | Headwaters west of Shrewsbury Street, West Boylston to inlet of Wachusett Reservoir (South Bay), West Boylston.                                                     | 0.8  | MILES | 5        |
| Mulpus Brook         | MA81-36    | Headwaters, north of Howard Street, Lunenburg to the inlet of Hickory Hills Lake, Lunenburg (formerly part of segment MA81-22).                                     | 3.8  | MILES | 3        |
| Mulpus Brook         | MA81-37    | From the outlet of Hickory Hills Lake, Lunenburg to the confluence with the Nashua River, Shirley (formerly part of segment MA81-22).                               | 6.3  | MILES | 5        |
| Muschopauge Pond     | MA81089    | Rutland                                                                                                                                                             | 61   | ACRES | 3        |
| Nashua River         | MA81-05    | Confluence with North Nashua River, Lancaster to confluence with Squannacook River, Shirley/Groton/Ayer.                                                            | 14.2 | MILES | 5        |
| Nashua River         | MA81-06    | Confluence with Squannacook River, Shirley/Groton/Ayer to Pepperell Dam, Pepperell. (through Pepperell Pond formerly segment MA81167)                               | 9.1  | MILES | 5        |
| Nashua River         | MA81-07    | Pepperell Dam, Pepperell to New Hampshire state line, Pepperell/Dunstable.                                                                                          | 3.7  | MILES | 5        |
| Nashua River         | MA81-08    | ("South Branch" Nashua River) Outlet Lancaster Millpond, Clinton to Clinton WWTP discharge, Clinton.                                                                | 2.8  | MILES | 2        |
| Nashua River         | MA81-09    | ("South Branch" Nashua River) Clinton WWTP discharge, Clinton to confluence with North Nashua River, Lancaster.                                                     | 1.8  | MILES | 5        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                 | SIZE | UNITS | CATEGORY |
|----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Nissitissit River    | MA81-21    | New Hampshire state line, Pepperell to confluence with Nashua River, Pepperell.                                                             | 4.6  | MILES | 5        |
| Nonacoicus Brook     | MA81-17    | Outlet Plow Shop Pond, Ayer to confluence with Nashua River, Ayer/Shirley.                                                                  | 1.4  | MILES | 5        |
| North Nashua River   | MA81-01    | Outlet Snows Millpond, Fitchburg to Fitchburg Paper Company Dam #1, Fitchburg.                                                              | 1.7  | MILES | 5        |
| North Nashua River   | MA81-02    | Fitchburg Paper Company Dam #1, Fitchburg to Fitchburg East WWTP outfall, Leominster.                                                       | 6.9  | MILES | 5        |
| North Nashua River   | MA81-03    | Fitchburg East WWTP outfall, Leominster to Leominster WWTP outfall, Leominster.                                                             | 1.6  | MILES | 5        |
| North Nashua River   | MA81-04    | Leominster WWTP outfall, Leominster to confluence with Nashua River, Lancaster.                                                             | 10.4 | MILES | 5        |
| Notown Reservoir     | MA81092    | Leominster                                                                                                                                  | 240  | ACRES | 3        |
| Paradise Pond        | MA81097    | Princeton                                                                                                                                   | 61   | ACRES | 4C       |
| Partridge Pond       | MA81098    | Westminster                                                                                                                                 | 25   | ACRES | 5        |
| Phillips Brook       | MA81-12    | Outlet Winnekeag Lake, Ashburnham to Westminster Street (Route 2A/31), Fitchburg.                                                           | 8.4  | MILES | 2        |
| Pine Hill Reservoir  | MA81102    | Paxton/Holden/Rutland                                                                                                                       | 336  | ACRES | 3        |
| Plow Shop Pond       | MA81103    | Ayer                                                                                                                                        | 29   | ACRES | 5        |
| Poor Farm Brook      | MA81-52    | Headwaters east of Salisbury Street, Holden to inlet Chaffin Pond, Holden.                                                                  | 1.2  | MILES | 2        |
| Quinapoxet Reservoir | MA81108    | Holden/Princeton                                                                                                                            | 266  | ACRES | 3        |
| Quinapoxet River     | MA81-32    | Outlet Quinapoxet Reservoir, Holden to inlet of Wachusett Reservoir (Thomas Basin), West Boylston.                                          | 7.9  | MILES | 4C       |
| Robbins Pond         | MA81111    | Harvard                                                                                                                                     | 11   | ACRES | 4C       |
| Rocky Brook          | MA81-42    | Headwaters, outlet Hy-Crest Pond, Sterling to confluence with Stillwater River, Sterling.                                                   | 3    | MILES | 2        |
| Round Meadow Pond    | MA81114    | Westminster                                                                                                                                 | 54   | ACRES | 3        |
| Sandy Pond           | MA81117    | Ayer                                                                                                                                        | 69   | ACRES | 3        |
| Sawmill Pond         | MA81118    | Fitchburg/Westminster                                                                                                                       | 65   | ACRES | 4C       |
| Scanlon Brook        | MA81-44    | Headwaters, west of Birch Drive, Sterling to the confluence with the Stillwater River, Sterling.                                            | 1.5  | MILES | 2        |
| Scarletts Brook      | MA81-25    | Headwaters west of West Boylston Street (Route 12), West Boylston to confluence with Gates Brook, West Boylston.                            | 0.5  | MILES | 2        |
| Scott Reservoir      | MA81119    | Fitchburg                                                                                                                                   | 33   | ACRES | 3        |
| Snows Millpond       | MA81127    | Fitchburg/Westminster                                                                                                                       | 38   | ACRES | 3        |
| South Meadow Pond    | MA81129    | [East Basin] Clinton                                                                                                                        | 37   | ACRES | 3        |
| South Meadow Pond    | MA81165    | [West Basin] Clinton/Lancaster                                                                                                              | 34   | ACRES | 3        |
| Spectacle Pond       | MA81132    | Lancaster                                                                                                                                   | 61   | ACRES | 3        |
| Squannacook River    | MA81-18    | Confluence Mason and Willard brooks, Townsend to Hollingsworth and Vose Dam, Groton/Shirley. (through Harbor Pond formerly segment MA81054) | 12.6 | MILES | 5        |
| Squannacook River    | MA81-19    | Hollingsworth and Vose Dam, Groton/Shirley to confluence with Nashua River, Shirley/Groton/Ayer.                                            | 3.7  | MILES | 2        |
| Still River          | MA81-15    | From Route 117, Bolton to confluence with Nashua River, Harvard/Lancaster.                                                                  | 2.7  | MILES | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                               | SEGMENT ID | DESCRIPTION                                                                                                                                                                                | SIZE | UNITS | CATEGORY |
|------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| Still River                        | MA81-60    | Headwaters, Lancaster to Route 117, Bolton (formerly the upper portion of MA81-15).                                                                                                        | 0.6  | MILES | 5        |
| Stillwater River                   | MA81-31    | Confluence of Justice and Keyes brooks, Princeton/Sterling to the inlet of Wachusett Reservoir (Stillwater Basin), Sterling.                                                               | 6.7  | MILES | 2        |
| Streeter Pond                      | MA81136    | Paxton/Holden                                                                                                                                                                              | 18   | ACRES | 3        |
| Stuart Pond                        | MA81137    | Sterling                                                                                                                                                                                   | 42   | ACRES | 4C       |
| Stump Pond                         | MA81171    | Holden                                                                                                                                                                                     | 27   | ACRES | 4C       |
| Sucker Brook                       | MA81-23    | Outlet Coon Tree Pond, Pepperell to confluence with Nissitissit River, Pepperell.                                                                                                          | 4    | MILES | 2        |
| The Quag                           | MA81170    | Sterling                                                                                                                                                                                   | 32   | ACRES | 3        |
| Trout Brook                        | MA81-26    | Outlet Cournoyer Pond, Holden to confluence with Quinepoxet River, Holden.                                                                                                                 | 1.9  | MILES | 2        |
| Unionville Pond                    | MA81143    | Holden                                                                                                                                                                                     | 19   | ACRES | 4C       |
| Unnamed Tributary                  | MA81-35    | AKA-"Lower Chaffin Brook" - Outlet Unionville Pond, Holden to confluence with Quinepoxet River, Holden.                                                                                    | 0.5  | MILES | 5        |
| Unnamed Tributary                  | MA81-46    | Unnamed tributary to Rocky Brook from headwaters south of Upper North Row Road, Sterling to the confluence with Rocky Brook, Sterling.                                                     | 0.7  | MILES | 2        |
| Unnamed Tributary                  | MA81-49    | Unnamed tributary to Wachusett Reservoir, from headwaters, outlet Carrolls Pond, West Boylston to inlet Wachusett Reservoir, West Boylston.                                                | 0.8  | MILES | 2        |
| Unnamed Tributary                  | MA81-50    | Unnamed tributary to Wachusett Reservoir, from headwaters, east of Linden Street, Boylston to the inlet of Wachusett Reservoir (Hastings Cove), Boylston.                                  | 1.3  | MILES | 2        |
| Unnamed Tributary                  | MA81-51    | Unnamed tributary to Quinapoxet River, from headwaters, south of Malden Street, Holden to the confluence with the Quinapoxet River, Holden.                                                | 1.5  | MILES | 2        |
| Unnamed Tributary                  | MA81-54    | Unnamed tributary to Wachusett Reservoir, from headwaters, west of Route 140, West Boylston to inlet of Wachusett Reservoir (Stillwater Basin), West Boylston.                             | 0.8  | MILES | 2        |
| Unnamed Tributary                  | MA81-58    | Unnamed tributary to Quinapoxet Reservoir, from headwaters, west of Route 68, Rutland to the confluence with an unnamed tributary to the Quinapoxet Reservoir west of Bryant Road, Holden. | 1.3  | MILES | 2        |
| Unnamed Tributary                  | MA81-59    | Unnamed tributary to Quinapoxet River, from headwaters, southwest of Hog Hill, Sterling to the confluence with the Quinapoxet River, Sterling.                                             | 1.6  | MILES | 2        |
| Unnamed Tributary                  | MA81-61    | Unnamed tributary to the North Nashua River, locally considered a portion of Wekepeke Brook, from the outlet of Bartlett Pond to the confluence with the North Nashua River, Lancaster.    | 0.3  | MILES | 5        |
| Unnamed Tributary (Boylston Brook) | MA81-34    | Unnamed tributary locally known as "Boylston Brook." Headwaters north of French Drive, Boylston to the confluence with Potash Brook, Boylston.                                             | 0.5  | MILES | 2        |
| Upper Crow Hill Pond               | MA81169    | Westminster                                                                                                                                                                                | 5    | ACRES | 3        |
| Vinton Pond                        | MA81145    | Townsend                                                                                                                                                                                   | 16   | ACRES | 3        |
| Wachusett Lake                     | MA81146    | Westminster/Princeton                                                                                                                                                                      | 129  | ACRES | 3        |
| Wachusett Reservoir                | MA81147    | Boylston/West Boylston/Clinton/Sterling                                                                                                                                                    | 3967 | ACRES | 4A       |
| Warren Tannery Brook               | MA81-53    | Headwaters, north of Route 122A, Holden to confluence with Asnebumskit Brook, Holden.                                                                                                      | 1.4  | MILES | 2        |
| Washacum Brook                     | MA81-47    | Headwaters, outlet West Waushacum Pond, Sterling to inlet of Wachusett Reservoir (Stillwater Basin), West Boylston.                                                                        | 1.8  | MILES | 2        |
| West Waushacum Pond                | MA81153    | Sterling                                                                                                                                                                                   | 111  | ACRES | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                   | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                       | SIZE    | UNITS        | CATEGORY |
|------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| White Pond             | MA81155    | Lancaster/Leominster                                                                                                                                                                                                              | 47      | ACRES        | 4C       |
| Whitman River          | MA81-11    | Outlet Lake Wampanoag, Ashburnham to inlet Snows Millpond, Fitchburg (excluding the approximately 1.2 miles through Whitmanville Reservoir segment MA81109 and the approximately 0.8 miles through Crocker Pond segment MA81025). | 6.3     | MILES        | 2        |
| Whitmanville Reservoir | MA81109    | Westminster/Ashburnham                                                                                                                                                                                                            | 107     | ACRES        | 3        |
| Wilder Brook           | MA81-43    | Headwaters west of Osgood Road, Sterling to confluence with Stillwater River, Sterling.                                                                                                                                           | 2.3     | MILES        | 2        |
| Winnekeag Lake         | MA81157    | Ashburnham                                                                                                                                                                                                                        | 112     | ACRES        | 3        |
| Wright Pond            | MA81159    | [West Basin] Ashby                                                                                                                                                                                                                | 21      | ACRES        | 3        |
| Wyman Pond             | MA81161    | Westminster                                                                                                                                                                                                                       | 198     | ACRES        | 4C       |
| <b>North Coastal</b>   |            |                                                                                                                                                                                                                                   |         |              |          |
| Alewife Brook          | MA93-26    | Headwaters just north of B&M Railroad, Rockport to inlet Babson Reservoir, Gloucester.                                                                                                                                            | 0.972   | MILES        | 3        |
| Alewife Brook          | MA93-45    | Headwaters, outlet Chebacco Lake, Essex to Landing Road, Essex.                                                                                                                                                                   | 1.404   | MILES        | 4A       |
| Alewife Brook          | MA93-46    | Landing Road, Essex to confluence with Essex River, Essex.                                                                                                                                                                        | 0.01    | SQUARE MILES | 4A       |
| Annisquam River        | MA93-12    | The waters from the Gloucester Harbor side of the Route 127 bridge, Gloucester to Ipswich Bay at an imaginary line drawn from Bald Rocks to Wigwam Point, Gloucester.                                                             | 0.82    | SQUARE MILES | 4A       |
| Babson Reservoir       | MA93001    | Gloucester                                                                                                                                                                                                                        | 39.661  | ACRES        | 3        |
| Bass River             | MA93-07    | Headwaters west of Wenham Lake, Beverly to the outlet of "Lower Shoe Pond" north of Route 62, Beverly.                                                                                                                            | 2.107   | MILES        | 5        |
| Bass River             | MA93-08    | Outlet of "Lower Shoe Pond" north of Route 62, Beverly to confluence with Danvers River, Beverly.                                                                                                                                 | 0.121   | SQUARE MILES | 4A       |
| Beaver Brook           | MA93-37    | Headwaters west of Route 95, Danvers to inlet Mill Pond, Danvers.                                                                                                                                                                 | 2.687   | MILES        | 5        |
| Beaverdam Brook        | MA93-30    | Headwaters west of Main Street, Lynnfield to confluence with Saugus River (Reedy Meadow), Lynnfield.                                                                                                                              | 1.461   | MILES        | 5        |
| Beck Pond              | MA93003    | Hamilton                                                                                                                                                                                                                          | 34.591  | ACRES        | 2        |
| Bennetts Pond Brook    | MA93-48    | Headwaters east of Lynn Fells Parkway (in Bellevue Golf Course), Melrose to confluence with Saugus River, Saugus.                                                                                                                 | 2.41    | MILES        | 4A       |
| Beverly Harbor         | MA93-20    | From the mouth of the Danvers River, Salem/Beverly to an imaginary line from Juniper Point, Salem to Hospital Point, Beverly.                                                                                                     | 1.02    | SQUARE MILES | 4A       |
| Birch Pond             | MA93004    | Saugus/Lynn                                                                                                                                                                                                                       | 80.386  | ACRES        | 3        |
| Breeds Pond            | MA93006    | Lynn                                                                                                                                                                                                                              | 195.228 | ACRES        | 3        |
| Browns Pond            | MA93008    | Peabody                                                                                                                                                                                                                           | 24.491  | ACRES        | 3        |
| Buswell Pond           | MA93009    | Gloucester                                                                                                                                                                                                                        | 4.413   | ACRES        | 3        |
| Cape Pond              | MA93011    | Rockport                                                                                                                                                                                                                          | 42.45   | ACRES        | 5        |
| Cat Brook              | MA93-29    | Headwaters east of Route 128, Manchester to confluence with Manchester Harbor (Route 127), Manchester.                                                                                                                            | 1.679   | MILES        | 5        |
| Causeway Brook         | MA93-47    | Headwaters, outlet Dexter Pond, Manchester to confluence with Cat Brook, Manchester.                                                                                                                                              | 1.077   | MILES        | 4A       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                | SIZE    | UNITS        | CATEGORY |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| Cedar Pond                 | MA93013    | Peabody                                                                                                                                                                                                                                                                                                                                                                                    | 34.029  | ACRES        | 4C       |
| Chebacco Lake              | MA93014    | Hamilton/Essex                                                                                                                                                                                                                                                                                                                                                                             | 204.374 | ACRES        | 4A       |
| Coy Pond                   | MA93016    | Wenham                                                                                                                                                                                                                                                                                                                                                                                     | 23.167  | ACRES        | 2        |
| Crane Brook                | MA93-02    | Headwaters east of Route 95, Danvers to inlet Mill Pond, Danvers.                                                                                                                                                                                                                                                                                                                          | 1.808   | MILES        | 4A       |
| Crane River                | MA93-38    | Outlet Mill Pond, Danvers to outlet of the pump house sluiceway, Purchase Street, Danvers.                                                                                                                                                                                                                                                                                                 | 0.332   | MILES        | 2        |
| Crane River                | MA93-41    | Outlet pump house sluiceway, Purchase Street, Danvers to confluence with Danvers River, Danvers.                                                                                                                                                                                                                                                                                           | 0.07    | SQUARE MILES | 4A       |
| Crystal Lake               | MA93018    | Wakefield/Stoneham                                                                                                                                                                                                                                                                                                                                                                         | 81.966  | ACRES        | 3        |
| Danvers River              | MA93-09    | Confluence of Porter, Crane and Waters rivers, Danvers to mouth at Beverly Harbor, Beverly/Salem.                                                                                                                                                                                                                                                                                          | 0.53    | SQUARE MILES | 4A       |
| Days Pond                  | MA93092    | Gloucester                                                                                                                                                                                                                                                                                                                                                                                 | 0.516   | ACRES        | 4C       |
| Edgewater Office Park Pond | MA93094    | Wakefield                                                                                                                                                                                                                                                                                                                                                                                  | 14.563  | ACRES        | 4C       |
| Essex Bay                  | MA93-16    | The waters landward of Ipswich Bay contained within an imaginary line drawn from the northwestern tip of Gloucester near Coffins Beach to the southern tip of Castle Neck, Ipswich to the eastern most point of Dilly Island, Essex (mouth of Castle Neck River) and then from Cross Island, Essex to Conomo Point, Essex (mouth of Essex River) excluding Walker, Lanes, and Farm creeks. | 0.97    | SQUARE MILES | 4A       |
| Essex River                | MA93-11    | Source east of Southern Avenue, Essex to mouth at Essex Bay, Essex.                                                                                                                                                                                                                                                                                                                        | 0.501   | SQUARE MILES | 4A       |
| Fernwood Lake              | MA93022    | Gloucester                                                                                                                                                                                                                                                                                                                                                                                 | 25.379  | ACRES        | 3        |
| First Pond                 | MA93081    | Saugus (also known as Upper Griswold Pond).                                                                                                                                                                                                                                                                                                                                                | 4.214   | ACRES        | 4C       |
| Flax Pond                  | MA93023    | Lynn                                                                                                                                                                                                                                                                                                                                                                                       | 55.449  | ACRES        | 5        |
| Floating Bridge Pond       | MA93024    | Lynn                                                                                                                                                                                                                                                                                                                                                                                       | 11.905  | ACRES        | 5        |
| Forest River               | MA93-10    | Approximately 0.4 miles upstream of Loring Avenue, Salem to Salem Harbor, Salem.                                                                                                                                                                                                                                                                                                           | 0.026   | SQUARE MILES | 5        |
| Foster Pond                | MA93026    | Swampscott                                                                                                                                                                                                                                                                                                                                                                                 | 4.619   | ACRES        | 5        |
| Frost Fish Brook           | MA93-36    | Cabot Road, Danvers to Porter River confluence at Route 62, Danvers.                                                                                                                                                                                                                                                                                                                       | 1.028   | MILES        | 4A       |
| Gloucester Harbor          | MA93-18    | The waters landward of an imaginary line drawn between Mussel Point and the tip of the Dog Bar Breakwater, Gloucester excluding the Annisquam River.                                                                                                                                                                                                                                       | 2.325   | SQUARE MILES | 5        |
| Goldthwait Brook           | MA93-05    | Outlet Cedar Pond, Peabody to confluence with Proctor Brook, Peabody.                                                                                                                                                                                                                                                                                                                      | 3.291   | MILES        | 5        |
| Goose Cove Reservoir       | MA93093    | Gloucester                                                                                                                                                                                                                                                                                                                                                                                 | 57.664  | ACRES        | 3        |
| Gravelly Pond              | MA93028    | Hamilton                                                                                                                                                                                                                                                                                                                                                                                   | 49.738  | ACRES        | 3        |
| Griswold Pond              | MA93029    | Saugus                                                                                                                                                                                                                                                                                                                                                                                     | 12.972  | ACRES        | 4C       |
| Haskell Pond               | MA93031    | Gloucester                                                                                                                                                                                                                                                                                                                                                                                 | 58.332  | ACRES        | 3        |
| Hawkes Brook               | MA93-32    | Headwaters near the Lynn/Lynnfield border to the inlet of Hawkes Pond, Lynnfield.                                                                                                                                                                                                                                                                                                          | 2.608   | MILES        | 4A       |
| Hawkes Brook               | MA93-33    | Outlet of Hawkes Pond, Saugus to confluence with Saugus River, Saugus.                                                                                                                                                                                                                                                                                                                     | 1.087   | MILES        | 4A       |
| Hawkes Pond                | MA93032    | Lynnfield/Saugus                                                                                                                                                                                                                                                                                                                                                                           | 65.172  | ACRES        | 5        |
| Lake Quannapowitt          | MA93060    | Wakefield                                                                                                                                                                                                                                                                                                                                                                                  | 246.002 | ACRES        | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                            | SIZE   | UNITS        | CATEGORY |
|-------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------|
| Lily Pond         | MA93039    | Gloucester                                                                                                                                                                                                                                                                                                                                                             | 23.744 | ACRES        | 5        |
| Lower Pond        | MA93044    | Saugus                                                                                                                                                                                                                                                                                                                                                                 | 21.166 | ACRES        | 3        |
| Lynn Harbor       | MA93-52    | The "inner" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere excluding the Saugus River (formerly part of segment 93-23).                                                                                                                                            | 1.623  | SQUARE MILES | 4A       |
| Lynn Harbor       | MA93-53    | The "outer" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Baileys Hill, Nahant to the eastern point of Winthrop Highlands, Winthrop to the seaward edge of the "inner" portion of Lynn Harbor (at an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere) (formerly part of segment 93-23). | 6.557  | SQUARE MILES | 4A       |
| Manchester Harbor | MA93-19    | The waters landward of an imaginary line drawn between Gales Point and Chubb Point, Manchester excluding Cat Brook.                                                                                                                                                                                                                                                    | 0.333  | SQUARE MILES | 4A       |
| Marblehead Harbor | MA93-22    | The waters landward of an imaginary line drawn northwesterly from the northern tip of Marblehead Neck to Fort Sewall, Marblehead.                                                                                                                                                                                                                                      | 0.561  | SQUARE MILES | 4A       |
| Mill Pond         | MA93050    | Gloucester                                                                                                                                                                                                                                                                                                                                                             | 17.602 | ACRES        | 3        |
| Mill River        | MA93-28    | Headwaters, outlet Mill Pond, Gloucester to confluence with Annisquam River, Gloucester.                                                                                                                                                                                                                                                                               | 0.097  | SQUARE MILES | 4A       |
| Mill River        | MA93-31    | From headwaters in wetlands north of Salem Street, Wakefield to confluence with Saugus River, Wakefield.                                                                                                                                                                                                                                                               | 1.993  | MILES        | 5        |
| Nahant Bay        | MA93-24    | The waters landward of an imaginary line drawn between Galloupes Point, Swampscott and East Point, Nahant.                                                                                                                                                                                                                                                             | 5.117  | SQUARE MILES | 4A       |
| Niles Pond        | MA93052    | Gloucester                                                                                                                                                                                                                                                                                                                                                             | 34.415 | ACRES        | 3        |
| North River       | MA93-42    | Downstream of Route 114 bridge (Proctor Brook becomes North River at this bridge), Salem to confluence with Danvers River, Salem (formerly part of MA93-06).                                                                                                                                                                                                           | 0.145  | SQUARE MILES | 5        |
| Pillings Pond     | MA93056    | Lynnfield                                                                                                                                                                                                                                                                                                                                                              | 90.314 | ACRES        | 5        |
| Pines River       | MA93-15    | Headwaters east of Route 1, Revere/Saugus to confluence with the Saugus River, Saugus/Revere.                                                                                                                                                                                                                                                                          | 0.577  | SQUARE MILES | 4A       |
| Porter River      | MA93-04    | Confluence with Frost Fish Brook at Route 62, Danvers to confluence with Danvers River, Danvers.                                                                                                                                                                                                                                                                       | 0.134  | SQUARE MILES | 4A       |
| Proctor Brook     | MA93-39    | Outlet of small pond in wetland north of Downing Road, Peabody to Grove/Goodhue Street bridge, Salem (formerly part of MA93-06).                                                                                                                                                                                                                                       | 2.948  | MILES        | 5        |
| Proctor Brook     | MA93-40    | Grove/Goodhue Street bridge, Salem to Route 114 culvert, Salem (formerly part of MA93-06).                                                                                                                                                                                                                                                                             | 0.005  | SQUARE MILES | 5        |
| Quarry Reservoir  | MA93053    | Rockport                                                                                                                                                                                                                                                                                                                                                               | 7.44   | ACRES        | 3        |
| Rockport Harbor   | MA93-57    | Waters landward of an imaginary line from Gully Point, Rockport to Granite Pier, Rockport (including Back Harbor and a portion of Sandy Bay) (includes area formerly reported as segment MA93-17)                                                                                                                                                                      | 0.35   | SQUARE MILES | 4A       |
| Round Pond        | MA93063    | Hamilton                                                                                                                                                                                                                                                                                                                                                               | 37.51  | ACRES        | 3        |
| Rum Rock Lake     | MA93064    | Rockport                                                                                                                                                                                                                                                                                                                                                               | 9.62   | ACRES        | 3        |
| Salem Harbor      | MA93-54    | Waters landward of an imaginary line from Naugus Head, Marblehead to the northwest point of Bakers Island, Salem to Hospital Point, Beverly to Juniper Point, Salem (excluding Forest River) (formerly segment MA93-21 Salem Harbor and a portion of segment MA93-25 Salem Sound [waterbody code 93907])                                                               | 4.91   | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                           | SIZE    | UNITS        | CATEGORY |
|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| Salem Sound          | MA93-55    | Northern portion of Salem Sound, waters landward of and within imaginary lines from Chubb Point, Manchester to Gales Point, Manchester to the northwest point of Bakers Island, Salem to Hospital Point, Beverly (formerly reported as a portion of segment MA93-25)                                  | 3.46    | SQUARE MILES | 4A       |
| Salem Sound          | MA93-56    | Southern portion of Salem Sound, waters landward of and within imaginary lines from Fort Sewall, Marblehead to the Marblehead Lighthouse on Marblehead Neck, Marblehead to the northwest point of Bakers Island, Salem to Naugus Head, Marblehead (formerly reported as a portion of segment MA93-25) | 2.55    | SQUARE MILES | 4A       |
| Saugus River         | MA93-34    | Headwaters, outlet of Lake Quannapowitt, Wakefield (thru Reedy Meadow) to Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield (canal diverts to Hawks Pond) (formerly part of segment MA93-13).                                                                                        | 3.083   | MILES        | 5        |
| Saugus River         | MA93-35    | From the Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield to Saugus Iron Works, Bridge Street, Saugus (formerly part of segment MA93-13).                                                                                                                                           | 5.367   | MILES        | 4A       |
| Saugus River         | MA93-43    | Saugus Iron Works, Bridge Street, Saugus to Lincoln Avenue/Boston Street, Saugus/Lynn (formerly part of segment 93-14).                                                                                                                                                                               | 0.038   | SQUARE MILES | 5        |
| Saugus River         | MA93-44    | Lincoln Avenue/Boston Street, Saugus/Lynn to mouth (east of Route 1A) at Lynn Harbor, Lynn/Revere (formerly part of segment 93-14).                                                                                                                                                                   | 0.363   | SQUARE MILES | 5        |
| Shute Brook          | MA93-49    | Approximately 350 feet downstream from Central Street, Saugus to the confluence with the Saugus River, Saugus.                                                                                                                                                                                        | 0.007   | SQUARE MILES | 4A       |
| Shute Brook          | MA93-50    | From the confluence of Fiske Brook, Saugus to approximately 350 feet downstream from Central Street, Saugus.                                                                                                                                                                                          | 0.892   | MILES        | 4A       |
| Sluice Pond          | MA93071    | Lynn                                                                                                                                                                                                                                                                                                  | 41.514  | ACRES        | 4C       |
| Spring Pond          | MA93072    | Saugus                                                                                                                                                                                                                                                                                                | 8.183   | ACRES        | 4C       |
| Spring Pond          | MA93073    | [South Basin] Peabody/Lynn/Salem                                                                                                                                                                                                                                                                      | 66.216  | ACRES        | 3        |
| Spring Pond          | MA93074    | [North Basin] Peabody                                                                                                                                                                                                                                                                                 | 16.586  | ACRES        | 3        |
| Strangman Pond       | MA93076    | Gloucester                                                                                                                                                                                                                                                                                            | 3.341   | ACRES        | 5        |
| Swains Pond          | MA93095    | Melrose                                                                                                                                                                                                                                                                                               | 2.978   | ACRES        | 4C       |
| Unnamed Tributary    | MA93-27    | Outlet Babson Reservoir, Gloucester to inlet Mill Pond, Gloucester.                                                                                                                                                                                                                                   | 0.745   | MILES        | 3        |
| Unnamed Tributary    | MA93-51    | Unnamed tributary locally known as "Town Line Brook", from Route 99, Malden to the confluence with the Pines River, Revere.                                                                                                                                                                           | 0.017   | SQUARE MILES | 5        |
| Upper Banjo Pond     | MA93080    | Gloucester                                                                                                                                                                                                                                                                                            | 10.531  | ACRES        | 5        |
| Upper Pond           | MA93083    | Saugus                                                                                                                                                                                                                                                                                                | 12.707  | ACRES        | 3        |
| Walden Pond          | MA93084    | Lynn/Saugus/Lynnfield                                                                                                                                                                                                                                                                                 | 223.113 | ACRES        | 3        |
| Wallace Pond         | MA93085    | Gloucester                                                                                                                                                                                                                                                                                            | 21.725  | ACRES        | 3        |
| Waters River         | MA93-01    | Headwaters west of Route 128, Peabody/Danvers, to confluence with Danvers River, Danvers.                                                                                                                                                                                                             | 0.09    | SQUARE MILES | 4A       |
| West Pond            | MA93089    | Gloucester                                                                                                                                                                                                                                                                                            | 7.142   | ACRES        | 5        |
| <b>Parker</b>        |            |                                                                                                                                                                                                                                                                                                       |         |              |          |
| Baldpate Pond        | MA91001    | Boxford                                                                                                                                                                                                                                                                                               | 60      | ACRES        | 5        |
| Bull Brook           | MA91-04    | Headwaters, Ipswich to inlet Bull Brook Reservoir, Ipswich.                                                                                                                                                                                                                                           | 1.4     | MILES        | 3        |
| Bull Brook Reservoir | MA91002    | Ipswich                                                                                                                                                                                                                                                                                               | 7       | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                     | SIZE | UNITS        | CATEGORY |
|---------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|----------|
| Central Street Pond | MA91003    | Rowley                                                                                                                                                                                                          | 3    | ACRES        | 3        |
| Crane Pond          | MA91004    | Groveland                                                                                                                                                                                                       | 22   | ACRES        | 3        |
| Dow Brook Reservoir | MA91005    | Ipswich                                                                                                                                                                                                         | 16   | ACRES        | 3        |
| Eagle Hill River    | MA91-06    | Headwaters near Town Farm Road, Ipswich to the mouth at Plum Island Sound, Ipswich.                                                                                                                             | 0.35 | SQUARE MILES | 5        |
| Egypt River         | MA91-13    | Outlet Bull Brook Reservoir, Ipswich to east of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich.                                                                                         | 1.1  | MILES        | 3        |
| Egypt River         | MA91-14    | East of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich to confluence with Muddy Run and Rowley River, Rowley/Ipswich.                                                                   | 0.01 | SQUARE MILES | 5        |
| Jackman Brook       | MA91-07    | Northeast of intersection of Jewett and Tenney streets, Georgetown to confluence with Wheeler Brook, Georgetown.                                                                                                | 0.8  | MILES        | 3        |
| Little Crane Pond   | MA91007    | West Newbury                                                                                                                                                                                                    | 4    | ACRES        | 3        |
| Little River        | MA91-11    | Scotland Road/Parker Street, Newbury/Newburyport to confluence with Parker River, Newbury.                                                                                                                      | 0.09 | SQUARE MILES | 5        |
| Mill River          | MA91-08    | Headwaters - Outlet of small unnamed pond between Route 95 and Rowley Road, Boxford to Route 1, Rowley/Newbury (through Upper Mill Pond formerly segment MA91015 and Lower Mill Pond formerly segment MA91008). | 6.9  | MILES        | 5        |
| Mill River          | MA91-09    | Route 1, Rowley/Newbury to confluence with Parker River, Newbury.                                                                                                                                               | 0.09 | SQUARE MILES | 5        |
| Ox Pasture Brook    | MA91-10    | Headwaters - Outlet of small unnamed impoundment east of Bradford Street, Rowley to the outlet of a small unnamed impoundment west of Ox Pasture Hill, Rowley.                                                  | 2.5  | MILES        | 3        |
| Paine Creek         | MA91-03    | Headwaters to confluence with Eagle Hill River, Ipswich.                                                                                                                                                        | 0.06 | SQUARE MILES | 5        |
| Parker River        | MA91-01    | Source north of Silver Mine Road, Boxford to Central Street, Newbury (excluding Sperry Pond segment MA91013, Rock Pond segment MA91012, Pentucket Pond segment MA91010, and Crane Pond segment MA91004).        | 12.3 | MILES        | 4C       |
| Parker River        | MA91-02    | Central Street, Newbury to mouth at Plum Island Sound, Newbury.                                                                                                                                                 | 0.6  | SQUARE MILES | 5        |
| Penn Brook          | MA91-16    | Outlet Baldpate Pond, Boxford to confluence with Parker River, Georgetown.                                                                                                                                      | 3    | MILES        | 2        |
| Pentucket Pond      | MA91010    | Georgetown                                                                                                                                                                                                      | 92   | ACRES        | 5        |
| Plum Island River   | MA91-15    | From "high sandy" sandbar just north of the confluence with Pine Island Creek, Newbury to confluence with Plum Island Sound, Newbury.                                                                           | 0.39 | SQUARE MILES | 5        |
| Plum Island Sound   | MA91-12    | From the mouth of both the Parker River and Plum Island River, Newbury to the Atlantic Ocean, Ipswich (Includes Ipswich Bay).                                                                                   | 4.44 | SQUARE MILES | 5        |
| Quills Pond         | MA91011    | Newbury                                                                                                                                                                                                         | 2    | ACRES        | 3        |
| Rock Pond           | MA91012    | Georgetown                                                                                                                                                                                                      | 49   | ACRES        | 5        |
| Rowley River        | MA91-05    | Confluence with Egypt River and Muddy Run, Rowley/Ipswich to mouth at Plum Island Sound, Rowley/Ipswich.                                                                                                        | 0.27 | SQUARE MILES | 5        |
| Sperrys Pond        | MA91013    | Boxford                                                                                                                                                                                                         | 26   | ACRES        | 3        |
| State Street Pond   | MA91014    | Newburyport                                                                                                                                                                                                     | 4    | ACRES        | 4C       |
| Wilson Pond         | MA91017    | Rowley                                                                                                                                                                                                          | 5    | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                         | SIZE | UNITS | CATEGORY |
|--------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| <b>Quinebaug</b>         |            |                                                                                                                                                                     |      |       |          |
| Alum Pond                | MA41001    | Sturbridge                                                                                                                                                          | 198  | ACRES | 5        |
| Browns Brook             | MA41-20    | From the state line Holland, MA/Union, CT to the inlet of Hamilton Reservoir, Holland.                                                                              | 0.8  | MILES | 2        |
| Cady Brook               | MA41-05    | Headwaters, outlet of Glen Echo Lake, Charlton to Charlton City WWTP outfall, Charlton.                                                                             | 1.5  | MILES | 5        |
| Cady Brook               | MA41-06    | Charlton City WWTP outfall, Charlton to confluence with Quinebaug River, Southbridge.                                                                               | 5.1  | MILES | 5        |
| Cedar Pond               | MA41008    | Sturbridge                                                                                                                                                          | 149  | ACRES | 4C       |
| Cohasse Brook            | MA41-12    | From the outlet of Cohasse Brook Reservoir, Southbridge through Wells Pond (formerly pond segment MA41053) to the confluence with the Quinebaug River, Southbridge. | 2.7  | MILES | 5        |
| East Brimfield Reservoir | MA41014    | Brimfield/Sturbridge                                                                                                                                                | 313  | ACRES | 4A       |
| Glen Echo Lake           | MA41017    | Charlton                                                                                                                                                            | 115  | ACRES | 5        |
| Hamant Brook             | MA41-15    | Headwaters, outlet unnamed pond, Sturbridge to the confluence with the Quinebaug River, Sturbridge.                                                                 | 3.1  | MILES | 2        |
| Hamilton Reservoir       | MA41019    | Holland (size indicates portion in Massachusetts)                                                                                                                   | 386  | ACRES | 4C       |
| Hatchet Brook            | MA41-14    | From the outlet of No. 3 Reservoir, Southbridge to the confluence with the Quinebaug River, Southbridge.                                                            | 1.3  | MILES | 5        |
| Holland Pond             | MA41022    | Holland                                                                                                                                                             | 66   | ACRES | 4A       |
| Hollow Brook             | MA41-24    | Headwaters, west of Hollow Road, Wales to confluence with Mill Brook, Brimfield.                                                                                    | 2.7  | MILES | 2        |
| Lake George              | MA41016    | Wales                                                                                                                                                               | 93   | ACRES | 3        |
| Leadmine Brook           | MA41-21    | Headwaters, outlet Leadmine Pond, Sturbridge to the state line, Sturbridge, MA/Union, CT.                                                                           | 2.5  | MILES | 2        |
| Leadmine Pond            | MA41027    | Sturbridge                                                                                                                                                          | 52   | ACRES | 3        |
| Lebanon Brook            | MA41-11    | From the state line, Southbridge, MA/Woodstock, CT, to the confluence with the Quinebaug River, Southbridge.                                                        | 4.7  | MILES | 2        |
| Little Alum Pond         | MA41029    | Brimfield                                                                                                                                                           | 73   | ACRES | 3        |
| McIntyre Pond            | MA41031    | Charlton                                                                                                                                                            | 11   | ACRES | 3        |
| McKinstry Brook          | MA41-13    | Headwaters, east of Brookfield Road, Charlton (excluding intermittent portion) to the confluence with the Quinebaug River, Southbridge.                             | 7.3  | MILES | 5        |
| Mill Brook               | MA41-07    | From inlet of Mill Road Pond (formerly pond segment MA41032), Brimfield to confluence with Quinebaug River, Brimfield.                                              | 4.7  | MILES | 4C       |
| Monson Road Pond         | MA41059    | Wales                                                                                                                                                               | 4    | ACRES | 3        |
| Morse Pond               | MA41033    | Southbridge                                                                                                                                                         | 41   | ACRES | 5        |
| Mountain Brook           | MA41-18    | Headwaters, east of Steerage Rock Road (excluding intermittent portion), Brimfield to the confluence with Mill Brook, Brimfield.                                    | 1.9  | MILES | 2        |
| New Boston Road Pond     | MA41035    | Sturbridge                                                                                                                                                          | 13   | ACRES | 3        |
| No. 3 Reservoir          | MA41038    | Southbridge                                                                                                                                                         | 24   | ACRES | 3        |
| No. 4 Reservoir          | MA41039    | Southbridge                                                                                                                                                         | 69   | ACRES | 3        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME              | SEGMENT ID | DESCRIPTION                                                                                                                                                                           | SIZE | UNITS | CATEGORY |
|-------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|
| No. 5 Reservoir   | MA41040    | Southbridge                                                                                                                                                                           | 30   | ACRES | 3        |
| Pistol Pond       | MA41057    | Sturbridge                                                                                                                                                                            | 5    | ACRES | 5        |
| Prindle Lake      | MA41043    | Charlton                                                                                                                                                                              | 75   | ACRES | 3        |
| Quinebaug River   | MA41-01    | Outlet Hamilton Reservoir, Holland, to Sturbridge WWTP outfall, Sturbridge (excluding Holland Pond segment MA41022 and East Brimfield Reservoir segment MA41014).                     | 8.2  | MILES | 5        |
| Quinebaug River   | MA41-02    | Sturbridge WWTP outfall, Sturbridge to confluence with Cady Brook, Southbridge.                                                                                                       | 6.5  | MILES | 5        |
| Quinebaug River   | MA41-03    | Southbridge WWTP outfall, Southbridge to dam just upstream of West Dudley Road, Dudley.                                                                                               | 2.2  | MILES | 5        |
| Quinebaug River   | MA41-04    | From dam just upstream of West Dudley Road, Dudley to Connecticut state line, Dudley.                                                                                                 | 2.2  | MILES | 5        |
| Quinebaug River   | MA41-09    | From confluence with Cady Brook, Southbridge to Southbridge WWTP outfall, Southbridge.                                                                                                | 1.3  | MILES | 5        |
| Railroad Pond     | MA41058    | Charlton                                                                                                                                                                              | 7    | ACRES | 4C       |
| Rocky Brook       | MA41-22    | Headwaters east of Chamberlain Pond (excluding intermittent portion), Douglas to the state line Douglas, MA/Thompson, CT.                                                             | 1.9  | MILES | 2        |
| Sherman Pond      | MA41046    | Brimfield                                                                                                                                                                             | 76   | ACRES | 4C       |
| Sibley Pond       | MA41047    | North Basin, Charlton                                                                                                                                                                 | 22   | ACRES | 5        |
| Sibley Pond       | MA41048    | South Basin, Charlton                                                                                                                                                                 | 19   | ACRES | 5        |
| Stevens Brook     | MA41-19    | From the state line Wales, MA/Stafford, CT to the inlet of Hamilton Reservoir, Holland.                                                                                               | 4.7  | MILES | 2        |
| Sylvestri Pond    | MA41049    | Dudley                                                                                                                                                                                | 30   | ACRES | 4C       |
| Tufts Branch      | MA41-10    | Headwaters, north of Dudley-Southbridge Road, Dudley to the state line, Dudley, MA/Thompson, CT.                                                                                      | 2.8  | MILES | 2        |
| Unnamed Tributary | MA41-16    | Unnamed tributary to Mill Brook, headwaters, outlet Sherman Pond, Brimfield to confluence with Mill Brook, Brimfield.                                                                 | 1.2  | MILES | 5        |
| Unnamed Tributary | MA41-23    | Unnamed tributary to the Quinebaug River from headwaters at the outlet of an unnamed pond on the Southbridge/Charlton border to the confluence with the Quinebaug River, Southbridge. | 1.9  | MILES | 2        |
| Unnamed Tributary | MA41-25    | Unnamed tributary to Tufts Branch, headwaters, outlet Wielock Pond, Dudley to confluence with Tufts Branch, Dudley.                                                                   | 0.2  | MILES | 2        |
| Unnamed Tributary | MA41-26    | Unnamed tributary locally known as 'Freeman's Brook' from headwaters west of Cronin Road, Warren to an unnamed tributary to Long Pond, Sturbridge.                                    | 2.6  | MILES | 2        |
| Unnamed Tributary | MA41-27    | Unnamed tributary to Mill Brook, headwaters south of East Hill Road, Brimfield to confluence with Mill Brook, Brimfield.                                                              | 1.7  | MILES | 2        |
| Wales Brook       | MA41-08    | Headwaters, outlet Lake George, Wales to confluence with Mill Brook, Brimfield.                                                                                                       | 5.2  | MILES | 3        |
| Walker Pond       | MA41052    | Sturbridge                                                                                                                                                                            | 104  | ACRES | 4C       |
| West Brook        | MA41-17    | Headwaters, west of the Dix Hill Road/Route 19 intersection (excluding intermittent portion), Brimfield to the confluence with Mill Brook, Brimfield.                                 | 1.8  | MILES | 2        |
| Wielock Pond      | MA41056    | Dudley                                                                                                                                                                                | 6    | ACRES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                                    | SIZE     | UNITS | CATEGORY |
|-------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| <b>Shawsheen</b>        |            |                                                                                                                                                                                |          |       |          |
| Ames Pond               | MA83001    | Tewksbury                                                                                                                                                                      | 76.47    | ACRES | 5        |
| Bakers Meadow Pond      | MA83002    | Andover                                                                                                                                                                        | 21.188   | ACRES | 3        |
| Ballardvale Impoundment | MA83011    | Andover (Lowell Junction Pond)                                                                                                                                                 | 35.292   | ACRES | 5        |
| Butterfield Pond        | MA83003    | Burlington/Lexington                                                                                                                                                           | 2.968    | ACRES | 5        |
| Content Brook           | MA83-09    | Outlet Richardson Pond, Billerica, to confluence with Shawsheen River, Tewksbury.                                                                                              | 2.369    | MILES | 2        |
| Elm Brook               | MA83-05    | Headwaters, Lincoln to confluence with Shawsheen River, Bedford.                                                                                                               | 5.043986 | MILES | 5        |
| Fawn Lake               | MA83004    | Bedford                                                                                                                                                                        | 11.825   | ACRES | 3        |
| Fosters Pond            | MA83005    | Andover/Wilmington                                                                                                                                                             | 109.412  | ACRES | 5        |
| Gravel Pit Pond         | MA83007    | Andover (Hussey Brook Pond East)                                                                                                                                               | 4.585    | ACRES | 4C       |
| Hussey Brook Pond       | MA83008    | Andover                                                                                                                                                                        | 0.539    | ACRES | 3        |
| Hussey Pond             | MA83009    | Andover                                                                                                                                                                        | 1.383    | ACRES | 5        |
| Kiln Brook              | MA83-10    | Outlet unnamed pond (in Pine Meadows Country Club), Lexington, to confluence with Shawsheen River, Bedford.                                                                    | 1.54     | MILES | 4A       |
| Long Meadow Brook       | MA83-11    | Wetland east of Lexington Street and north of Independence Drive, Burlington, to confluence with Vine Brook, Burlington.                                                       | 1.284976 | MILES | 4A       |
| Long Pond               | MA83010    | Tewksbury                                                                                                                                                                      | 42.483   | ACRES | 5        |
| Meadow Brook            | MA83-12    | Outlet Ames Pond, Tewksbury, to confluence with Strong Water Brook, Tewksbury.                                                                                                 | 1.695    | MILES | 2        |
| Pomps Pond              | MA83014    | Andover                                                                                                                                                                        | 24.635   | ACRES | 5        |
| Pond Street Pond        | MA83021    | Billerica (unnamed pond west of Pond Street)                                                                                                                                   | 3.56     | ACRES | 3        |
| Rabbit Pond             | MA83015    | Andover                                                                                                                                                                        | 1.857    | ACRES | 5        |
| Richardson Pond North   | MA83020    | Billerica/Tewksbury (Richardson Pond North)                                                                                                                                    | 45.78    | ACRES | 3        |
| Rogers Brook            | MA83-04    | From outlet of unnamed impoundment upstream of Morton Street, Andover (Prior to 1997 cycle listed as "Headwaters Billerica...") to confluence with Shawsheen River, Andover.   | 1.299    | MILES | 5        |
| Round Pond              | MA83018    | Tewksbury                                                                                                                                                                      | 24.92    | ACRES | 3        |
| Sandy Brook             | MA83-13    | Headwaters north of Bedford Street and east of Fairfax Street to confluence with Vine Brook, Burlington.                                                                       | 1.155097 | MILES | 4A       |
| Shawsheen River         | MA83-01    | Summer Street (historically listed as Maguire Road) to confluence with Spring Brook, Bedford.                                                                                  | 1.625    | MILES | 5        |
| Shawsheen River         | MA83-08    | Headwater, north of Folly Pond and North Great Road, Lincoln to Summer Street, Bedford.                                                                                        | 2.091    | MILES | 5        |
| Shawsheen River         | MA83-17    | Confluence with Spring Brook, Bedford to the Burlington Water Department's surface water intake, Billerica. (Formerly part of segment MA83-02, changed for 2004 cycle)         | 5.679    | MILES | 5        |
| Shawsheen River         | MA83-18    | Burlington Water Department's surface water intake, Billerica to the Ballardvale Impoundment dam, Andover. (Formerly part of segment MA83-02, changed for 2004 cycle)          | 10.093   | MILES | 5        |
| Shawsheen River         | MA83-19    | Outlet of Ballardvale Impoundment, Andover to the confluence with the Merrimack River, Lawrence. (Formerly part of segment MA83-02 and all of MA83-03, changed for 2004 cycle) | 8.436    | MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                                                   | SIZE     | UNITS        | CATEGORY |
|-----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Spring Brook          | MA83-14    | Wetland northeast of Route 3 Billerica, to confluence with Shawsheen River, Bedford.                                                                                                          | 2.548839 | MILES        | 4A       |
| Strong Water Brook    | MA83-07    | Headwaters northeast of Long Pond, Tewksbury to confluence with Shawsheen River, Tewksbury.                                                                                                   | 4.942    | MILES        | 4A       |
| Unnamed Tributary     | MA83-15    | Unnamed tributary to Meadow Brook, also known as "Pinnacle Brook" - from small wetland east of Route 93, Andover, to confluence with Meadow Brook, Tewksbury (includes intermittent portion). | 2.1      | MILES        | 5        |
| Unnamed Tributary     | MA83-16    | Also known as "Fosters Brook" - Outlet Fosters Pond, Andover through River Street Pond to confluence with Shawsheen River at Lowell Junction Pond, Andover.                                   | 0.97257  | MILES        | 2        |
| Unnamed Tributary     | MA83-20    | Unnamed intermittent tributary to the Shawsheen River, from Dascomb Road, Andover to confluence with Shawsheen River, Tewksbury.                                                              | 0.9      | MILES        | 5        |
| Unnamed Tributary     | MA83-21    | Unnamed intermittent tributary to the Shawsheen River locally known as 'Sutton Brook', from headwaters north of Research Drive, Wilmington to confluence with the Shawsheen River, Tewksbury  | 3        | MILES        | 3        |
| Vine Brook            | MA83-06    | Headwaters (southeast of Granny Hill) near Grant Street, Lexington to confluence with Shawsheen River, Bedford.                                                                               | 6.846    | MILES        | 4A       |
| <b>South Coastal</b>  |            |                                                                                                                                                                                               |          |              |          |
| Aaron River           | MA94-28    | Outlet Aaron River Reservoir, Cohasset to flow control structure near Beechwood Street, Cohasset.                                                                                             | 1.004    | MILES        | 5        |
| Aaron River Reservoir | MA94178    | Cohasset/Hingham/Scituate                                                                                                                                                                     | 136.13   | ACRES        | 4A       |
| Arnold School Pond    | MA94004    | Pembroke                                                                                                                                                                                      | 11.635   | ACRES        | 3        |
| Bartlett Pond         | MA94005    | Plymouth                                                                                                                                                                                      | 33.268   | ACRES        | 3        |
| Beaver Dam Pond       | MA94006    | Plymouth                                                                                                                                                                                      | 29.204   | ACRES        | 4C       |
| Billington Sea        | MA94007    | Plymouth                                                                                                                                                                                      | 262.722  | ACRES        | 5        |
| Black Jimmy Pond      | MA94008    | Plymouth                                                                                                                                                                                      | 8.612    | ACRES        | 2        |
| Black Mountain Pond   | MA94009    | Marshfield                                                                                                                                                                                    | 16.606   | ACRES        | 4C       |
| Bloody Pond           | MA94015    | Plymouth                                                                                                                                                                                      | 100.726  | ACRES        | 3        |
| Bluefish River        | MA94-30    | Saltmarsh north of Harrison Street, Duxbury to mouth at Duxbury Bay, Duxbury.                                                                                                                 | 0.065    | SQUARE MILES | 5        |
| Boot Pond             | MA94016    | Plymouth                                                                                                                                                                                      | 68.836   | ACRES        | 3        |
| Bound Brook           | MA94-18    | Flow control structure near Beechwood Street, Cohasset to outlet Hunters Pond, Scituate.                                                                                                      | 2.227    | MILES        | 5        |
| Bound Brook Pond      | MA94017    | Norwell                                                                                                                                                                                       | 20.861   | ACRES        | 3        |
| Briggs Reservoir      | MA94019    | Plymouth                                                                                                                                                                                      | 23.901   | ACRES        | 4C       |
| Briggs Reservoir      | MA94020    | Plymouth                                                                                                                                                                                      | 16.325   | ACRES        | 4C       |
| Cohasset Cove         | MA94-32    | The waters south of a line drawn from the Bassing Beach jetty, Scituate westerly to the opposite shore, Cohasset excluding Baileys Creek and The Gulf.                                        | 0.087    | SQUARE MILES | 5        |
| Cohasset Harbor       | MA94-01    | The waters south of a line drawn from the northwestern point of Scituate Neck, Scituate to just north of Quarry Point, Cohasset not including Cohasset Cove, Cohasset/Scituate.               | 0.695    | SQUARE MILES | 5        |
| Cooks Pond            | MA94027    | Plymouth                                                                                                                                                                                      | 21.237   | ACRES        | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                        | SEGMENT ID | DESCRIPTION                                                                                                                                                                                           | SIZE     | UNITS        | CATEGORY |
|-----------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Crossman Pond               | MA94032    | Kingston                                                                                                                                                                                              | 12.706   | ACRES        | 5        |
| Drinkwater River            | MA94-21    | From Whiting Street, Hanover through Forge Pond to the inlet of Factory Pond, Hanover.                                                                                                                | 3.493    | MILES        | 5        |
| Duxbury Bay                 | MA94-15    | The waters north and west of a line from Saquish Head to the tip of Plymouth Beach and from there to High Cliff, Plymouth excluding Back River and Bluefish River, Duxbury and Jones River, Kingston. | 12.694   | SQUARE MILES | 5        |
| Eel River                   | MA94-23    | Outlet cranberry bog east of Long Pond Road, Plymouth through Russell Millpond to mouth at Plymouth Harbor, Plymouth.                                                                                 | 3.931    | MILES        | 4C       |
| Elbow Pond                  | MA94035    | Plymouth                                                                                                                                                                                              | 20.943   | ACRES        | 2        |
| Ellisville Harbor           | MA94-34    | Plymouth                                                                                                                                                                                              | 0.012    | SQUARE MILES | 5        |
| Factory Pond                | MA94175    | Hanson/Hanover                                                                                                                                                                                        | 51.395   | ACRES        | 5        |
| First Herring Brook         | MA94-25    | From the headwaters in South Swamp, Norwell (through Tack Factory Pond) to the inlet of Old Oaken Bucket Pond, Scituate.                                                                              | 3.945    | MILES        | 2        |
| Forge Pond                  | MA94036    | Plymouth                                                                                                                                                                                              | 13.738   | ACRES        | 2        |
| Forge Pond                  | MA94037    | Hanover                                                                                                                                                                                               | 15.907   | ACRES        | 5        |
| Foundry Pond                | MA94038    | Kingston                                                                                                                                                                                              | 7.235    | ACRES        | 5        |
| French Stream               | MA94-03    | From the headwaters on the southeast side of the South Weymouth Naval Air Station, Rockland through Studleys Pond to the confluence with Drinkwater River, Hanover.                                   | 6.124887 | MILES        | 5        |
| Fresh Pond                  | MA94040    | Plymouth                                                                                                                                                                                              | 59.775   | ACRES        | 2        |
| Furnace Pond                | MA94043    | Pembroke                                                                                                                                                                                              | 102.653  | ACRES        | 5        |
| Governor Winslow House Pond | MA94047    | Marshfield                                                                                                                                                                                            | 22.939   | ACRES        | 3        |
| Great Herring Pond          | MA94050    | Bourne/Plymouth                                                                                                                                                                                       | 414.699  | ACRES        | 4A       |
| Great Sandy Bottom Pond     | MA94053    | Pembroke                                                                                                                                                                                              | 103.094  | ACRES        | 3        |
| Great South Pond            | MA94054    | Plymouth                                                                                                                                                                                              | 284.299  | ACRES        | 4A       |
| Green Harbor                | MA94-11    | From the tidegates at Route 139, Marshfield to the mouth of the harbor at Massachusetts Bay/Cape Cod Bay, Marshfield.                                                                                 | 0.078    | SQUARE MILES | 5        |
| Green Harbor River          | MA94-10    | Outlet Black Mountain Pond, Marshfield to the tidegate at Route 139, Marshfield.                                                                                                                      | 5.648    | MILES        | 5        |
| Gunners Exchange Pond       | MA94055    | Plymouth                                                                                                                                                                                              | 26.118   | ACRES        | 3        |
| Harrobs Corner Bog Pond     | MA94061    | Plympton                                                                                                                                                                                              | 20.054   | ACRES        | 3        |
| Hedges Pond                 | MA94065    | Plymouth                                                                                                                                                                                              | 27.072   | ACRES        | 2        |
| Herring Brook               | MA94-29    | Outlet Lily Pond, Cohasset to confluence Aaron River, Cohasset.                                                                                                                                       | 0.3      | MILES        | 4C       |
| Herring River               | MA94-07    | Outlet Old Oaken Bucket Pond, Scituate to confluence with North River, Scituate.                                                                                                                      | 0.077    | SQUARE MILES | 5        |
| Hobomock Pond               | MA94177    | Pembroke                                                                                                                                                                                              | 12.701   | ACRES        | 2        |
| Hoyts Pond                  | MA94070    | Plymouth                                                                                                                                                                                              | 19.505   | ACRES        | 3        |
| Indian Head Pond            | MA94071    | Hanson                                                                                                                                                                                                | 119.478  | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                          | SIZE   | UNITS        | CATEGORY |
|--------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------|
| Indian Head River        | MA94-04    | Outlet of Factory Pond, Hanover/Hanson to Curtis Crossing Dam (also called Ludhams Ford Dam) west of Elm Street, Hanover/Pembroke.                                                   | 2.914  | MILES        | 5        |
| Indian Head River        | MA94-22    | From Curtis Crossing Dam (also called Ludhams Ford Dam) west of Elm Street, Hanover/Pembroke to confluence with Herring Brook, (forming headwaters of North River) Hanover/Pembroke. | 0.883  | MILES        | 5        |
| Indian Pond              | MA94072    | Kingston/Plympton                                                                                                                                                                    | 63.795 | ACRES        | 3        |
| Iron Mine Brook          | MA94-24    | Headwaters north of Route 139, Hanover to the confluence with Indian Head River, Hanover.                                                                                            | 1.393  | MILES        | 5        |
| Island Creek Pond        | MA94073    | Duxbury                                                                                                                                                                              | 39.716 | ACRES        | 4C       |
| Island Pond              | MA94074    | [west of the locality of Cedarville] Plymouth                                                                                                                                        | 51.804 | ACRES        | 3        |
| Island Pond              | MA94075    | [locally known as Great Island Pond] Plymouth                                                                                                                                        | 79.418 | ACRES        | 4C       |
| Island Pond              | MA94076    | [south of locality of South Pond] Plymouth                                                                                                                                           | 12.12  | ACRES        | 3        |
| Jacobs Pond              | MA94077    | Norwell                                                                                                                                                                              | 60.801 | ACRES        | 4C       |
| Jones River              | MA94-12    | Headwaters outlet Silver Lake, Kingston to dam near Wapping Road, Kingston.                                                                                                          | 4.057  | MILES        | 5        |
| Jones River              | MA94-13    | From dam near Wapping Road, Kingston to dam at Elm Street, Kingston.                                                                                                                 | 0.93   | MILES        | 5        |
| Jones River              | MA94-14    | From dam at Elm Street, Kingston to mouth at Duxbury Bay, Kingston.                                                                                                                  | 0.089  | SQUARE MILES | 5        |
| Keene Pond               | MA94079    | Duxbury                                                                                                                                                                              | 10.664 | ACRES        | 3        |
| Lily Pond                | MA94179    | Cohasset                                                                                                                                                                             | 50.503 | ACRES        | 5        |
| Little Harbor            | MA94-20    | Cove south of Nichols Road, west of Atlantic Avenue, and north of Cohasset center, Cohasset                                                                                          | 0.24   | SQUARE MILES | 4A       |
| Little Herring Pond      | MA94082    | Plymouth                                                                                                                                                                             | 81.243 | ACRES        | 3        |
| Little Pond              | MA94182    | Plymouth                                                                                                                                                                             | 40.474 | ACRES        | 2        |
| Little Sandy Bottom Pond | MA94085    | Pembroke                                                                                                                                                                             | 56.106 | ACRES        | 2        |
| Little South Pond        | MA94087    | Plymouth                                                                                                                                                                             | 62.815 | ACRES        | 3        |
| Long Island Pond         | MA94088    | Plymouth                                                                                                                                                                             | 33.137 | ACRES        | 4C       |
| Lorings Bogs Pond        | MA94089    | Duxbury                                                                                                                                                                              | 32.999 | ACRES        | 4C       |
| Lout Pond                | MA94090    | Plymouth                                                                                                                                                                             | 17.8   | ACRES        | 3        |
| Lower Chandler Pond      | MA94091    | Duxbury/Pembroke                                                                                                                                                                     | 37.388 | ACRES        | 4C       |
| Maquan Pond              | MA94096    | Hanson                                                                                                                                                                               | 45.034 | ACRES        | 2        |
| Mill Pond                | MA94101    | Duxbury                                                                                                                                                                              | 7.022  | ACRES        | 3        |
| Morey Hole               | MA94102    | Plymouth                                                                                                                                                                             | 22.456 | ACRES        | 3        |
| Musquashcut Pond         | MA94-33    | Scituate (formerly reported as MA94105)                                                                                                                                              | 0.109  | SQUARE MILES | 5        |
| North Hill Marsh Pond    | MA94109    | Duxbury                                                                                                                                                                              | 42.959 | ACRES        | 3        |
| North River              | MA94-05    | Confluence of Indian Head River and Herring Brook, Hanover/Pembroke to Route 3A (Main Street), Marshfield/Scituate.                                                                  | 0.302  | SQUARE MILES | 5        |
| North River              | MA94-06    | Route 3A (Main Street), Marshfield/Scituate to confluence with South River/Massachusetts Bay, Scituate.                                                                              | 0.555  | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                       | SEGMENT ID | DESCRIPTION                                                                                                                                                                                 | SIZE    | UNITS        | CATEGORY |
|----------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| North Triangle Pond        | MA94110    | Plymouth                                                                                                                                                                                    | 21.773  | ACRES        | 3        |
| Old Oaken Bucket Pond      | MA94113    | Scituate                                                                                                                                                                                    | 8.354   | ACRES        | 5        |
| Oldham Pond                | MA94114    | Pembroke/Hanson                                                                                                                                                                             | 231.859 | ACRES        | 4C       |
| Pembroke Street South Pond | MA94117    | Kingston                                                                                                                                                                                    | 6.246   | ACRES        | 4C       |
| Pine Lake                  | MA94120    | Duxbury                                                                                                                                                                                     | 22.125  | ACRES        | 3        |
| Pine Street Pond           | MA94121    | Duxbury                                                                                                                                                                                     | 13.845  | ACRES        | 3        |
| Plymouth Bay               | MA94-17    | The waters southeast of a line drawn from Saquish Head to the tip of Plymouth Beach, Plymouth and west of a line from Gurnet Point, Plymouth to Rocky Point, Plymouth.                      | 10.333  | SQUARE MILES | 2        |
| Plymouth Harbor            | MA94-16    | The waters south of a line drawn from the tip of Plymouth Beach to High Cliff, Plymouth.                                                                                                    | 2.53    | SQUARE MILES | 5        |
| Reeds Millpond             | MA94126    | Kingston                                                                                                                                                                                    | 6.248   | ACRES        | 4C       |
| Reservoir                  | MA94127    | Pembroke                                                                                                                                                                                    | 16.194  | ACRES        | 4C       |
| Round Pond                 | MA94131    | Duxbury                                                                                                                                                                                     | 6.789   | ACRES        | 3        |
| Russell Millpond           | MA94132    | Plymouth                                                                                                                                                                                    | 41.776  | ACRES        | 5        |
| Russell Pond               | MA94133    | Kingston                                                                                                                                                                                    | 10.723  | ACRES        | 3        |
| Savery Pond                | MA94136    | Plymouth                                                                                                                                                                                    | 28.872  | ACRES        | 2        |
| Scituate Harbor            | MA94-02    | The waters west of a line across the mouth of Scituate Harbor, from the elbow of the jetty southeast off Lighthouse Point to the jetty northeast of the U.S. Coast Guard Station, Scituate. | 0.322   | SQUARE MILES | 5        |
| Second Herring Brook       | MA94-26    | Outlet of Turner Pond, Norwell (through Torrey Pond) to the Second Herring Brook Pond Dam, Norwell.                                                                                         | 1.744   | MILES        | 2        |
| Second Herring Brook       | MA94-31    | From the Second Herring Brook Pond Dam, Norwell to the confluence with the North River, Norwell.                                                                                            | 0.003   | SQUARE MILES | 5        |
| Shallow Pond               | MA94140    | Plymouth                                                                                                                                                                                    | 18.861  | ACRES        | 3        |
| Ship Pond                  | MA94142    | Plymouth                                                                                                                                                                                    | 10.802  | ACRES        | 3        |
| Silver Lake                | MA94143    | Pembroke/Plympton/Kingston                                                                                                                                                                  | 616.668 | ACRES        | 4C       |
| Smelt Pond                 | MA94184    | Kingston                                                                                                                                                                                    | 44.797  | ACRES        | 4C       |
| South River                | MA94-08    | Headwaters from the outlet of unnamed pond north of Congress Street, Duxbury to dam at Main Street (Route 3A), Marshfield.                                                                  | 4.863   | MILES        | 2        |
| South River                | MA94-09    | From dam at Main Street, Marshfield to confluence with North River/Massachusetts Bay, Marshfield/Scituate.                                                                                  | 0.625   | SQUARE MILES | 5        |
| South River Pond           | MA94148    | Duxbury                                                                                                                                                                                     | 3.253   | ACRES        | 3        |
| South Triangle Pond        | MA94149    | Plymouth                                                                                                                                                                                    | 16.968  | ACRES        | 3        |
| Studleys Pond              | MA94151    | Rockland                                                                                                                                                                                    | 25.471  | ACRES        | 5        |
| Tack Factory Pond          | MA94152    | Scituate                                                                                                                                                                                    | 8.068   | ACRES        | 2        |
| The Gulf                   | MA94-19    | Headwaters, outlet Hunters Pond, Scituate to confluence with Cohasset Cove just north of Border Street, Cohasset.                                                                           | 0.126   | SQUARE MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                  | SEGMENT ID | DESCRIPTION                                                                                                                                                       | SIZE     | UNITS        | CATEGORY |
|-----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Third Herring Brook   | MA94-27    | Headwaters, outlet of Jacobs Pond, Norwell/Hanover to confluence with North River, Norwell/Hanover.                                                               | 5.318    | MILES        | 5        |
| Torrey Pond           | MA94157    | Norwell                                                                                                                                                           | 18.684   | ACRES        | 4C       |
| Triangle Pond         | MA94160    | Plymouth                                                                                                                                                          | 14.192   | ACRES        | 3        |
| Unnamed Tributary     | MA94-35    | unnamed tributary to the Eel River from outlet of cranberry bog south of Valley Road, Plymouth through Forge Pond, to confluence with Eel River, Plymouth.        | 2.365    | MILES        | 3        |
| Upper Chandler Pond   | MA94165    | Duxbury/Pembroke                                                                                                                                                  | 7.695    | ACRES        | 4C       |
| Wampatuck Pond        | MA94168    | Hanson                                                                                                                                                            | 62.879   | ACRES        | 5        |
| West Chandler Pond    | MA94170    | Pembroke                                                                                                                                                          | 9.752    | ACRES        | 3        |
| Winslow Cemetary Pond | MA94172    | Marshfield                                                                                                                                                        | 6.462    | ACRES        | 3        |
| Wright Pond           | MA94174    | Duxbury                                                                                                                                                           | 30.384   | ACRES        | 3        |
| <b>Taunton</b>        |            |                                                                                                                                                                   |          |              |          |
| Ames Long Pond        | MA62001    | Stoughton/Easton                                                                                                                                                  | 87.694   | ACRES        | 5        |
| Assawompset Pond      | MA62003    | Lakeville/Middleborough                                                                                                                                           | 2033.577 | ACRES        | 3        |
| Assonet River         | MA62-19    | Outlet Forge Pond, Freetown to Tisdale Dam (north of Route 79/Elm Street intersection), Freetown.                                                                 | 0.877    | MILES        | 2        |
| Assonet River         | MA62-20    | From Tisdale Dam (north of Route 79/Elm Street intersection), Freetown to the confluence with the Taunton River, Freetown.                                        | 0.815    | SQUARE MILES | 4A       |
| Barrowsville Pond     | MA62007    | Norton                                                                                                                                                            | 46.658   | ACRES        | 3        |
| Beaumont Pond         | MA62009    | Foxborough                                                                                                                                                        | 24.266   | ACRES        | 3        |
| Beaver Brook          | MA62-09    | Outlet Cleveland Pond, Abington to the confluence with the Salisbury Plain River (forming Matfield River), East Bridgewater.                                      | 6.817    | MILES        | 4A       |
| Beaver Brook          | MA62-30    | Source just west of Bay Road, Easton to the inlet Old Pond, Easton.                                                                                               | 1.441    | MILES        | 3        |
| Big Bearhole Pond     | MA62011    | Taunton                                                                                                                                                           | 37.68    | ACRES        | 5        |
| Blakes Pond           | MA62221    | Mansfield                                                                                                                                                         | 5.974    | ACRES        | 3        |
| Briggs Pond           | MA62021    | Sharon                                                                                                                                                            | 18.631   | ACRES        | 3        |
| Broad Cove            | MA62-50    | Dighton/Somerset (formerly reported as lake segment MA62022).                                                                                                     | 0.126    | SQUARE MILES | 4A       |
| Brockton Reservoir    | MA62023    | Avon                                                                                                                                                              | 89.399   | ACRES        | 4C       |
| Cabot Pond            | MA62029    | Mansfield                                                                                                                                                         | 8.65     | ACRES        | 5        |
| Cain Pond             | MA62030    | Taunton                                                                                                                                                           | 2.766    | ACRES        | 5        |
| Canoe River           | MA62-27    | Headwaters in wetland east of Cow Hill, Sharon to inlet of Winnecunnet Pond, Norton.                                                                              | 14.297   | MILES        | 2        |
| Carpenter Pond        | MA62032    | Foxborough                                                                                                                                                        | 29.392   | ACRES        | 3        |
| Carver Pond           | MA62033    | Bridgewater                                                                                                                                                       | 29.309   | ACRES        | 4C       |
| Cedar Swamp River     | MA62-44    | Headwaters south of Freetown Street, Lakeville to the inlet Forge Pond, Freetown (stream name changes to Assonet River at Lakeville/Freetown corporate boundary). | 5.828    | MILES        | 2        |
| Chaffin Reservoir     | MA62035    | Pembroke                                                                                                                                                          | 12.729   | ACRES        | 3        |
| Chartley Pond         | MA62038    | Norton/Attleboro                                                                                                                                                  | 67.578   | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                             | SIZE     | UNITS | CATEGORY |
|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Clear Pond           | MA62041    | Lakeville                                                                                                                               | 17.866   | ACRES | 2        |
| Cleveland Pond       | MA62042    | Abington                                                                                                                                | 96.423   | ACRES | 4C       |
| Cobb Brook           | MA62-43    | Headwaters south of Dunbar Street (in Crapo Bog), Taunton to confluence with the Taunton River, Taunton.                                | 3.521    | MILES | 3        |
| Cocasset Lake        | MA62043    | Foxborough                                                                                                                              | 32.116   | ACRES | 3        |
| Cooper Pond          | MA62046    | Carver                                                                                                                                  | 21.635   | ACRES | 2        |
| Cotley River         | MA62-41    | Headwaters near cranberry bog south off Seekell Street, Taunton (thru Barstows Pond) to the confluence with the Taunton River, Taunton. | 5.867    | MILES | 3        |
| Coweaset Brook       | MA62-22    | Source, southwest of Route24/Belmont Street interchange, Brockton to confluence with the Hockomock River, West Bridgewater.             | 3.898    | MILES | 3        |
| Crocker Pond         | MA62051    | Wrentham                                                                                                                                | 17.138   | ACRES | 4C       |
| Cross Pond           | MA62052    | Brockton                                                                                                                                | 1.679    | ACRES | 3        |
| Cross Street Pond    | MA62053    | Bridgewater                                                                                                                             | 26.686   | ACRES | 3        |
| Cushing Pond         | MA62056    | Abington                                                                                                                                | 5.727    | ACRES | 4C       |
| East Freetown Pond   | MA62063    | Freetown                                                                                                                                | 11.051   | ACRES | 4C       |
| Elm Street Pond      | MA62066    | Halifax/Hanson                                                                                                                          | 19.146   | ACRES | 3        |
| Forge Pond           | MA62072    | Freetown                                                                                                                                | 55.756   | ACRES | 3        |
| Forge River          | MA62-37    | Outlet of Kings Pond, Raynham to confluence with Taunton River, Raynham.                                                                | 2.542    | MILES | 3        |
| Fuller Street Pond   | MA62234    | Middleborough/Carver (formerly reported as MA95058)                                                                                     | 20.273   | ACRES | 4C       |
| Fulton Pond          | MA62075    | Mansfield                                                                                                                               | 9.328    | ACRES | 5        |
| Furnace Lake         | MA62076    | Foxborough                                                                                                                              | 14.916   | ACRES | 3        |
| Gavins Pond          | MA62077    | Sharon/Foxborough                                                                                                                       | 17.607   | ACRES | 4C       |
| Great Quittacas Pond | MA62083    | Lakeville/Middleborough/Rochester                                                                                                       | 1124.265 | ACRES | 3        |
| Gushee Pond          | MA62084    | Raynham                                                                                                                                 | 26.775   | ACRES | 4C       |
| Hewitt Pond          | MA62088    | Raynham                                                                                                                                 | 13.642   | ACRES | 3        |
| Hobart Pond          | MA62090    | Whitman                                                                                                                                 | 9.05     | ACRES | 5        |
| Hockomock River      | MA62-35    | Source, west of Route 24 and north of the Old Railroad Grade, West Bridgewater to confluence with the Town River, Bridgewater.          | 5.06     | MILES | 3        |
| Hodges Pond          | MA62091    | (Kingman Pond) Mansfield                                                                                                                | 6.972    | ACRES | 5        |
| Island Grove Pond    | MA62094    | Abington                                                                                                                                | 30.804   | ACRES | 5        |
| Johns Pond           | MA62096    | Carver                                                                                                                                  | 21.27    | ACRES | 2        |
| Johnson Pond         | MA62097    | Raynham                                                                                                                                 | 13.536   | ACRES | 4C       |
| Kings Pond           | MA62101    | Raynham                                                                                                                                 | 13.043   | ACRES | 3        |
| Lake Mirimichi       | MA62118    | Plainville/Foxborough                                                                                                                   | 174.996  | ACRES | 4C       |
| Lake Nippenicket     | MA62131    | Bridgewater/Raynham                                                                                                                     | 375.001  | ACRES | 4A       |
| Lake Rico            | MA62148    | Taunton                                                                                                                                 | 187.981  | ACRES | 4C       |
| Lake Sabbatia        | MA62166    | Taunton                                                                                                                                 | 265.419  | ACRES | 5        |





## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                     | SEGMENT ID | DESCRIPTION                                                                                                                                                                             | SIZE     | UNITS        | CATEGORY |
|--------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|
| Leach Pond               | MA62103    | Easton/Sharon                                                                                                                                                                           | 110.709  | ACRES        | 3        |
| Little Cedar Swamp       | MA62106    | Easton                                                                                                                                                                                  | 90.898   | ACRES        | 3        |
| Little Quittacas Pond    | MA62107    | Lakeville/Rochester                                                                                                                                                                     | 294.78   | ACRES        | 3        |
| Long Pond                | MA62108    | Lakeville/Freetown                                                                                                                                                                      | 1741.496 | ACRES        | 4C       |
| Longwater Pond           | MA62109    | Easton                                                                                                                                                                                  | 8.188    | ACRES        | 4C       |
| Lovett Brook             | MA62-46    | Headwaters north of Oak Street, Brockton to inlet Elis Brett Pond, Brockton.                                                                                                            | 1.541    | MILES        | 2        |
| Lower Porter Pond        | MA62111    | Brockton                                                                                                                                                                                | 7.861    | ACRES        | 4C       |
| Matfield River           | MA62-32    | Confluence of Beaver Brook and the Salisbury Plain River, East Bridgewater to the confluence with the Town River and the Taunton River, Bridgewater.                                    | 6.662    | MILES        | 5        |
| Meadow Brook             | MA62-38    | Headwaters north of Pine Street, Whitman (through Forge Pond, East Bridgewater) to the confluence with the Matfield River, East Bridgewater.                                            | 6.009    | MILES        | 4A       |
| Meadow Brook Pond        | MA62113    | Norton                                                                                                                                                                                  | 13.322   | ACRES        | 3        |
| Middle Pond              | MA62115    | Taunton                                                                                                                                                                                 | 25.864   | ACRES        | 4C       |
| Mill River               | MA62-29    | Outlet Whittenton Impoundment, Taunton to the confluence with Taunton River, Taunton.                                                                                                   | 3.386    | MILES        | 3        |
| Monponsett Pond          | MA62119    | [West Basin] Halifax/Hanson                                                                                                                                                             | 282.79   | ACRES        | 5        |
| Monponsett Pond          | MA62218    | [East Basin] Halifax                                                                                                                                                                    | 244.567  | ACRES        | 4A       |
| Mount Hope Mill Pond     | MA62122    | Taunton/Dighton (includes Three Mile River Impoundment formerly reported as MA62231).                                                                                                   | 45.174   | ACRES        | 4C       |
| Muddy Cove Brook         | MA62-51    | From the outlet of the small impoundment behind 333 Main Street (Zeneca Inc.), Dighton to confluence with Taunton River, Dighton (formerly part of MA62-23).                            | 0.008    | SQUARE MILES | 4A       |
| Muddy Cove Brook         | MA62-52    | Source south of Hart Street, Dighton through Muddy Cove Brook Pond to the outlet of small impoundment behind 333 Main Street (Zeneca Inc.), Dighton (formerly part of segment MA62-23). | 1.969    | MILES        | 3        |
| Muddy Cove Brook Pond    | MA62124    | Dighton                                                                                                                                                                                 | 23.243   | ACRES        | 5        |
| Muddy Pond               | MA62125    | Carver                                                                                                                                                                                  | 61.058   | ACRES        | 4C       |
| Muddy Pond               | MA62126    | Halifax                                                                                                                                                                                 | 12.999   | ACRES        | 3        |
| Muddy Pond               | MA62233    | Kingston (formerly reported as MA94104).                                                                                                                                                | 41.422   | ACRES        | 3        |
| Mulberry Meadow Brook    | MA62-31    | Outlet New Pond, Easton to inlet of Winnecunnet Pond, Norton.                                                                                                                           | 4.536    | MILES        | 3        |
| Mullein Hill Chapel Pond | MA62127    | Lakeville                                                                                                                                                                               | 23.07    | ACRES        | 3        |
| Nemasket River           | MA62-25    | From the outlet of Assawompset Pond, Lakeville/Middleborough to Middleborough WWTP discharge, Middleborough.                                                                            | 6.093    | MILES        | 2        |
| Nemasket River           | MA62-26    | From the Middleborough WWTP discharge, Middleborough to the confluence with the Taunton River, Middleborough.                                                                           | 5.365    | MILES        | 2        |
| New Pond                 | MA62130    | Easton                                                                                                                                                                                  | 17.727   | ACRES        | 4C       |
| North Center Street Pond | MA62132    | Carver                                                                                                                                                                                  | 11.812   | ACRES        | 3        |
| Norton Reservoir         | MA62134    | Norton/Mansfield                                                                                                                                                                        | 556.491  | ACRES        | 5        |
| Oakland Pond             | MA62136    | Taunton                                                                                                                                                                                 | 37.618   | ACRES        | 3        |
| Plymouth Street Pond     | MA62141    | Halifax/E. Bridgewater                                                                                                                                                                  | 165.015  | ACRES        | 3        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                    | SEGMENT ID | DESCRIPTION                                                                                                                                                        | SIZE    | UNITS        | CATEGORY |
|-------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| Pocksha Pond            | MA62145    | Lakeville/Middleborough                                                                                                                                            | 592.317 | ACRES        | 3        |
| Poor Meadow Brook       | MA62-34    | From a wetland near County Street, Hanson to the confluence with the Satucket River, East Bridgewater.                                                             | 6.903   | MILES        | 3        |
| Poquoy Pond             | MA62147    | Lakeville                                                                                                                                                          | 9.899   | ACRES        | 3        |
| Prospect Hill Pond      | MA62149    | Taunton                                                                                                                                                            | 41.89   | ACRES        | 3        |
| Puds Pond               | MA62151    | Sharon/Easton                                                                                                                                                      | 22.642  | ACRES        | 3        |
| Queset Brook            | MA62-21    | From the outlet of Ames Long Pond, Easton to the confluence with Coweaset Brook, West Bridgewater.                                                                 | 5.113   | MILES        | 3        |
| Rattlesnake Brook       | MA62-45    | Headwaters east of Rigenbach Road, Fall River to confluence with Assonet River, Freetown.                                                                          | 3.184   | MILES        | 2        |
| Reservoir               | MA62157    | Hanson                                                                                                                                                             | 13.195  | ACRES        | 3        |
| Reservoir               | MA62158    | Easton                                                                                                                                                             | 26.913  | ACRES        | 3        |
| Richmond Pond           | MA62159    | Taunton                                                                                                                                                            | 5.773   | ACRES        | 4C       |
| Robbins Pond            | MA62162    | East Bridgewater                                                                                                                                                   | 123.732 | ACRES        | 3        |
| Robinson Brook          | MA62-14    | Outlet Hersey Pond, Foxborough to confluence with Rumford River, Mansfield.                                                                                        | 1.855   | MILES        | 5        |
| Robinson Pond           | MA62163    | Mansfield                                                                                                                                                          | 8.855   | ACRES        | 3        |
| Route One Pond, West    | MA62165    | Wrentham                                                                                                                                                           | 9.876   | ACRES        | 3        |
| Rumford River           | MA62-39    | Outlet Gavins Pond, Sharon to inlet Norton Reservoir, Mansfield (formerly part of segment MA62-15).                                                                | 8.01    | MILES        | 5        |
| Rumford River           | MA62-40    | Outlet Norton Reservoir, Norton to confluence with Wading and Threemile rivers, Norton (formerly part of segment MA62-15).                                         | 4.532   | MILES        | 2        |
| Salisbury Brook         | MA62-08    | From the outlet of Cross Pond, Brockton to the confluence with Trout Brook forming the Salibury Plain River, Brockton.                                             | 2.542   | MILES        | 5        |
| Salisbury Plain River   | MA62-05    | From the confluence of Trout and Salisbury brooks, Brockton to the Brockton Advanced Water Reclamation Facility (AWRF) discharge, Brockton.                        | 2.437   | MILES        | 5        |
| Salisbury Plain River   | MA62-06    | From the Brockton Advanced Water Reclamation Facility (AWRF) discharge, Brockton to the confluence with Beaver Brook forming the Matfield River, East Bridgewater. | 2.262   | MILES        | 5        |
| Sassaquin Pond          | MA62232    | New Bedford (formerly reported as MA95129).                                                                                                                        | 35.757  | ACRES        | 5        |
| Satucket River          | MA62-10    | From the outlet of Robbins Pond, East Bridgewater to the confluence with the Matfield River, East Bridgewater.                                                     | 5.597   | MILES        | 2        |
| Savery Pond             | MA62167    | Middleborough                                                                                                                                                      | 23.619  | ACRES        | 4C       |
| Sawmill Brook           | MA62-36    | Outlet of Ice Pond, Bridgewater to confluence with Taunton River, Bridgewater.                                                                                     | 1.905   | MILES        | 3        |
| Segreganset River       | MA62-53    | Source in wetland north of Glebe Street, Taunton through the Segregansett River Ponds to the Segreganset River Dam, Dighton (formerly part of segment MA62-18).    | 7.854   | MILES        | 4C       |
| Segreganset River       | MA62-54    | From Segreganset River Dam, Dighton to approximately 250 feet north of Brook Street, Dighton (formerly part of segment MA62-18).                                   | 0.351   | MILES        | 4C       |
| Segreganset River       | MA62-55    | From approximately 250 feet north of Brook Street, Dighton to confluence with the Taunton River, Dighton (formerly part of segment MA62-18).                       | 0.02    | SQUARE MILES | 4A       |
| Segreganset River Ponds | MA62169    | Taunton                                                                                                                                                            | 13.729  | ACRES        | 3        |
| Shovelshop Pond         | MA62172    | Easton                                                                                                                                                             | 7.018   | ACRES        | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                 | SEGMENT ID | DESCRIPTION                                                                                                                                                                      | SIZE    | UNITS        | CATEGORY |
|----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
| Shumatuscacant River | MA62-33    | From a wetland just west of Vineyard Road, Abington to the confluence with Poor Meadow Brook, Hanson.                                                                            | 8.504   | MILES        | 5        |
| Snake River          | MA62-28    | Outlet of Winnecunnet Pond, Norton to inlet of Lake Sabbatia, Taunton.                                                                                                           | 3.271   | MILES        | 3        |
| Somerset Reservoir   | MA62174    | Somerset                                                                                                                                                                         | 164.334 | ACRES        | 4A       |
| Stetson Pond         | MA62182    | Pembroke                                                                                                                                                                         | 88.209  | ACRES        | 5        |
| Sunset Lake          | MA62184    | Foxborough                                                                                                                                                                       | 13.526  | ACRES        | 3        |
| Sweets Pond          | MA62185    | Mansfield                                                                                                                                                                        | 13.484  | ACRES        | 4C       |
| Taunton River        | MA62-01    | Confluence of Town and Matfield rivers, Bridgewater to Route 24 bridge, Taunton/Raynham.                                                                                         | 20.396  | MILES        | 2        |
| Taunton River        | MA62-02    | Route 24 bridge, Taunton/Raynham to Berkley Bridge, Dighton/Berkley.                                                                                                             | 0.287   | SQUARE MILES | 4A       |
| Taunton River        | MA62-03    | Berkley Bridge, Dighton/Berkley to confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley.            | 0.924   | SQUARE MILES | 5        |
| Taunton River        | MA62-04    | Confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley to mouth at Braga Bridge, Somerset/Fall River. | 2.654   | SQUARE MILES | 5        |
| The Reservoir        | MA62189    | Lakeville                                                                                                                                                                        | 22.952  | ACRES        | 3        |
| Thirtyacre Pond      | MA62190    | Brockton                                                                                                                                                                         | 26.277  | ACRES        | 4C       |
| Three Mile River     | MA62-56    | Confluence of Wading and Rumford rivers, Norton to impoundment spillway behind 66 South Street (Harodite Finishing Co.), Taunton (formerly part of segment MA62-16).             | 12.812  | MILES        | 4A       |
| Three Mile River     | MA62-57    | Impoundment spillway behind 66 South Street (Harodite Finishing Co.), Taunton to confluence with Taunton River, Taunton/Dighton (formerly part of segment MA62-16).              | 0.022   | SQUARE MILES | 4A       |
| Thurston Street Pond | MA62192    | Wrentham                                                                                                                                                                         | 6.592   | ACRES        | 3        |
| Tispaquin Pond       | MA62195    | Middleborough                                                                                                                                                                    | 194.595 | ACRES        | 2        |
| Town River           | MA62-11    | Outlet of Lake Nippenicket, Bridgewater to Route 28 bridge, West Bridgewater.                                                                                                    | 4.474   | MILES        | 3        |
| Town River           | MA62-12    | Route 28 bridge, West Bridgewater to Bridgewater WWTP discharge, Bridgewater.                                                                                                    | 3.842   | MILES        | 3        |
| Town River           | MA62-13    | Bridgewater WWTP discharge, Bridgewater to confluence with Matfield River forming the Taunton River, Bridgewater.                                                                | 2.356   | MILES        | 3        |
| Trout Brook          | MA62-07    | Source northeast of Argyle Avenue and west of Conrail Line, Avon to the confluence with the Salisbury Brook forming the Salisbury Plain River, Brockton.                         | 3.408   | MILES        | 5        |
| Turnpike Lake        | MA62198    | Plainville                                                                                                                                                                       | 99.029  | ACRES        | 4C       |
| Unnamed Tributary    | MA62-42    | Headwaters, south off Slab Bridge Road (in Cedar Swamp portion of Freetown-Fall River State Forest), Freetown to confluence with the Cedar Swamp River, Lakeville.               | 4.012   | MILES        | 5        |
| Unnamed Tributary    | MA62-48    | Channel from Taunton Municipal Lighting Plant, Taunton to confluence with Taunton River, Taunton.                                                                                | 0.002   | SQUARE MILES | 5        |
| Upper Leach Pond     | MA62123    | (Mountain Street Pond) Sharon                                                                                                                                                    | 27.881  | ACRES        | 3        |
| Upper Porter Pond    | MA62200    | Brockton                                                                                                                                                                         | 11.395  | ACRES        | 4C       |
| Vandys Pond          | MA62112    | (Mcavoy Pond) Foxborough                                                                                                                                                         | 8.58    | ACRES        | 4C       |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                            | SIZE    | UNITS | CATEGORY |
|---------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|----------|
| Wading River              | MA62-47    | Source in wetland north of West Street, Foxborough to Balcolm Street, Mansfield (due to error on 1987 Wrentham quad it appears segment includes part of Cocasset River, Foxborough) (formerly part of segment MA62-17) | 4.158   | MILES | 5        |
| Wading River              | MA62-49    | Balcolm Street, Mansfield to confluence with Threemile River, Norton (formerly part of segment MA62-17).                                                                                                               | 9.668   | MILES | 4A       |
| Waldo Lake                | MA62201    | Avon/Brockton                                                                                                                                                                                                          | 72.384  | ACRES | 4C       |
| Ward Pond                 | MA62203    | Easton                                                                                                                                                                                                                 | 5.565   | ACRES | 3        |
| Watson Pond               | MA62205    | Taunton                                                                                                                                                                                                                | 77.523  | ACRES | 5        |
| West Meadow Pond          | MA62208    | West Bridgewater                                                                                                                                                                                                       | 103.81  | ACRES | 4C       |
| Whiteville Pond           | MA62211    | Mansfield                                                                                                                                                                                                              | 14.418  | ACRES | 3        |
| Whittenton Impoundment    | MA62228    | Taunton                                                                                                                                                                                                                | 20.05   | ACRES | 4C       |
| Winneconnet Pond          | MA62213    | Norton                                                                                                                                                                                                                 | 152.274 | ACRES | 4C       |
| Winnetuxet River          | MA62-24    | From the outlet of a small unnamed pond near Cole Mill, Carver to the confluence with the Taunton River, Halifax.                                                                                                      | 11.816  | MILES | 2        |
| Wolomolopoag Pond         | MA62216    | Sharon                                                                                                                                                                                                                 | 12.517  | ACRES | 3        |
| Woods Pond                | MA62220    | Middleborough                                                                                                                                                                                                          | 51.081  | ACRES | 5        |
| <b>Ten Mile</b>           |            |                                                                                                                                                                                                                        |         |       |          |
| Bungay River              | MA52-06    | Headwaters, outlet Greenwood Lake, North Attleborough to confluence with Ten Mile River, Attleboro.                                                                                                                    | 5.083   | MILES | 5        |
| Cargill Pond              | MA52004    | Plainville                                                                                                                                                                                                             | 1.563   | ACRES | 5        |
| Central Pond              | MA52006    | Seekonk, MA/Pawtucket, RI/Providence, RI (size indicates portion in Massachusetts)                                                                                                                                     | 5.816   | ACRES | 5        |
| Coles Brook               | MA52-11    | Headwaters, Grassie Swamp west of Allens Lane, Rehoboth to inlet Central Pond, Seekonk.                                                                                                                                | 4.181   | MILES | 4C       |
| Falls Pond, North Basin   | MA52013    | North Attleborough                                                                                                                                                                                                     | 54.093  | ACRES | 5        |
| Falls Pond, South Basin   | MA52014    | North Attleborough                                                                                                                                                                                                     | 49.367  | ACRES | 4C       |
| Fourmile Brook            | MA52-10    | Headwaters, outlet Manchester Pond Reservoir, Attleboro to inlet Orrs Pond, Attleboro.                                                                                                                                 | 0.992   | MILES | 5        |
| Greenwood Lake            | MA52017    | Mansfield/N. Attleborough                                                                                                                                                                                              | 96.64   | ACRES | 3        |
| Hoppin Hill Reservoir     | MA52021    | North Attleborough                                                                                                                                                                                                     | 22.446  | ACRES | 3        |
| James V. Turner Reservoir | MA52022    | Seekonk, MA/E. Providence, RI (size indicates portion in Massachusetts)                                                                                                                                                | 28.436  | ACRES | 5        |
| Lake Como                 | MA52010    | Attleboro/N. Attleborough                                                                                                                                                                                              | 4.807   | ACRES | 5        |
| Manchester Pond Reservoir | MA52026    | Attleboro                                                                                                                                                                                                              | 237.347 | ACRES | 3        |
| Orrs Pond                 | MA52029    | Attleboro                                                                                                                                                                                                              | 57.864  | ACRES | 4C       |
| Plain Street Pond         | MA52032    | Mansfield                                                                                                                                                                                                              | 12.231  | ACRES | 5        |
| Scotts Brook              | MA52-09    | Headwaters, north of High Street, North Attleborough to confluence with Ten Mile River, North Attleborough.                                                                                                            | 2.11    | MILES | 4C       |
| Sevenmile River           | MA52-07    | Headwaters, outlet Hoppin Hill Reservoir, North Attleborough to inlet Orrs Pond, Attleboro (thru Luther Reservoir formerly segment MA52025).                                                                           | 3.2     | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                      | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                  | SIZE     | UNITS | CATEGORY |
|---------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Sevenmile River           | MA52-08    | Outlet Orrs Pond, Attleboro to confluence with Ten Mile River, Pawtucket, Rhode Island.                                                                                                                                                      | 3.402    | MILES | 5        |
| Speedway Brook            | MA52-05    | (locally known as Thatcher Brook) Headwaters, Attleboro to inlet of Dodgeville Pond (a Ten Mile River impoundment), Attleboro.                                                                                                               | 0.9      | MILES | 5        |
| Ten Mile River            | MA52-01    | Headwaters, outlet Cargill Pond, Plainville to West Bacon Street, Plainville (through Fuller Pond formerly segment MA52016).                                                                                                                 | 1.538    | MILES | 5        |
| Ten Mile River            | MA52-02    | West Bacon Street, Plainville to North Attleborough WWTP discharge, Attleboro (excluding 0.9 miles thru Falls Pond segment MA52013, but including thru Wetherells Pond formerly segment MA52041).                                            | 4.087    | MILES | 5        |
| Ten Mile River            | MA52-03    | North Attleborough WWTP discharge, Attleboro to the MA/RI border near Central Avenue, Seekonk, MA/Pawtucket, RI (thru former segments; Farmers Pond MA52015, Mechanics Pond MA52027, Dodgeville Pond MA52011, and Hebronville Pond MA52020). | 9.084    | MILES | 5        |
| Whiting Pond              | MA52042    | North Attleborough/Plainville                                                                                                                                                                                                                | 23.582   | ACRES | 4A       |
| <b>Westfield</b>          |            |                                                                                                                                                                                                                                              |          |       |          |
| Ashley Brook              | MA32-37    | Headwaters (perennial portion), south of Hillside Road, Westfield to confluence with Jacks Brook, Westfield.                                                                                                                                 | 0.5      | MILES | 5        |
| Ashley Cutoff             | MA32001    | Holyoke                                                                                                                                                                                                                                      | 30.738   | ACRES | 3        |
| Ashley Pond               | MA32002    | Holyoke                                                                                                                                                                                                                                      | 132.604  | ACRES | 3        |
| Bedlam Brook              | MA32-33    | Source, north of Blandford Road to confluence with Peebles Brook, Blandford.                                                                                                                                                                 | 3.208729 | MILES | 2        |
| Blair Pond                | MA32009    | Blandford                                                                                                                                                                                                                                    | 69.182   | ACRES | 4C       |
| Borden Brook Reservoir    | MA32011    | Granville/Blandford                                                                                                                                                                                                                          | 210.832  | ACRES | 3        |
| Bradley Brook             | MA32-21    | From the confluence of Black and Stage brooks, Russell to the confluence with the Westfield River, Russell.                                                                                                                                  | 0.722654 | MILES | 2        |
| Buck Pond                 | MA32012    | Westfield                                                                                                                                                                                                                                    | 22.754   | ACRES | 4C       |
| Buckley-Dunton Lake       | MA32013    | Becket                                                                                                                                                                                                                                       | 153.635  | ACRES | 4A       |
| Center Pond               | MA32015    | Becket                                                                                                                                                                                                                                       | 113.857  | ACRES | 4C       |
| Clear Pond                | MA32077    | Holyoke                                                                                                                                                                                                                                      | 9.772    | ACRES | 3        |
| Cobble Mountain Reservoir | MA32018    | Blandford/Granville/Russell                                                                                                                                                                                                                  | 1033.76  | ACRES | 3        |
| Congamond Lakes           | MA32021    | [Middle Basin] Southwick                                                                                                                                                                                                                     | 278.774  | ACRES | 5        |
| Congamond Lakes           | MA32022    | [North Basin] Southwick                                                                                                                                                                                                                      | 46.052   | ACRES | 5        |
| Congamond Lakes           | MA32023    | [South Basin] Southwick                                                                                                                                                                                                                      | 144.049  | ACRES | 4C       |
| Connor Reservoir          | MA32024    | Holyoke                                                                                                                                                                                                                                      | 17.05    | ACRES | 3        |
| Cook Brook                | MA32-38    | Headwaters, outlet small unnamed pond west of the intersection of Gorge and Granville roads, Westfield to the confluence with Little River, Westfield.                                                                                       | 2        | MILES | 2        |
| Cooley Lake               | MA32026    | Granville                                                                                                                                                                                                                                    | 66.304   | ACRES | 3        |
| Crooked Pond              | MA32028    | Plainfield                                                                                                                                                                                                                                   | 33.696   | ACRES | 3        |
| Damon Pond                | MA32029    | Chesterfield/Goshen                                                                                                                                                                                                                          | 77.573   | ACRES | 3        |
| Depot Brook               | MA32-17    | Source in Washington (north of Beach Road) to confluence with Yokum Brook, Becket.                                                                                                                                                           | 6.040331 | MILES | 2        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                          | SEGMENT ID | DESCRIPTION                                                                                                                                         | SIZE     | UNITS | CATEGORY |
|-------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Dickinson Brook               | MA32-34    | Source, confluence of Trumble Brook and Seymour Brook to confluence with Munn Brook, Granville.                                                     | 3.424544 | MILES | 2        |
| Garnet Lake                   | MA32037    | Peru                                                                                                                                                | 17.484   | ACRES | 3        |
| Glendale Brook                | MA32-10    | From headwaters in a wetland in Peru State Forest, Peru to confluence with Middle Branch Westfield River, Middlefield.                              | 6.048302 | MILES | 3        |
| Granville Reservoir           | MA32038    | Granville                                                                                                                                           | 73.81    | ACRES | 3        |
| Great Brook                   | MA32-25    | Source at outlet of Congamond Lakes, Southwick to confluence with Westfield River, Westfield.                                                       | 10.69273 | MILES | 2        |
| Hammond Pond                  | MA32040    | Goshen                                                                                                                                              | 37.951   | ACRES | 3        |
| Horse Pond                    | MA32043    | Westfield                                                                                                                                           | 24.284   | ACRES | 4C       |
| Jacks Brook                   | MA32-39    | Headwaters, east of Fowler Road, Westfield to inlet of Crane Pond/Little River, Westfield.                                                          | 2.4      | MILES | 5        |
| Kinne Brook                   | MA32-32    | Source, west of West Street, Worthington to confluence with Middle Branch Westfield River, Chester.                                                 | 5.583392 | MILES | 2        |
| Little River                  | MA32-08    | Horton's Bridge, Westfield to confluence with Westfield River, Westfield.                                                                           | 5.386436 | MILES | 5        |
| Little River                  | MA32-16    | Confluence of Watts and Wards streams in Worthington (Ringville) to confluence with Westfield River, Huntington.                                    | 5.677    | MILES | 2        |
| Little River                  | MA32-35    | Source at the outlet of Cobble Mountain Reservoir dam, Russell to dam northwest of Gorge Road, Russell. (formerly part of segment MA32-26)          | 2.633    | MILES | 2        |
| Little River                  | MA32-36    | From the dam northwest of Gorge Road, Russell to Horton's Bridge, Westfield. (formerly part of segment MA32-26)                                     | 5.809    | MILES | 5        |
| Littleville Lake              | MA32046    | Chester/Huntington                                                                                                                                  | 251.557  | ACRES | 3        |
| McLean Reservoir              | MA32050    | Holyoke                                                                                                                                             | 55.154   | ACRES | 3        |
| Meadow Brook                  | MA32-11    | Outlet of unnamed pond in Plainfield, south of Route 116, to confluence with Westfield River, Cummington.                                           | 4.567083 | MILES | 3        |
| Middle Branch Westfield River | MA32-02    | Source in Peru State Wildlife Management Area, Peru to inlet of Littleville Lake just upstream from boat ramp (south of Kinne Brook Road), Chester. | 14.743   | MILES | 2        |
| Middle Branch Westfield River | MA32-03    | Littleville Dam, Chester/Huntington to confluence with Westfield River, Huntington.                                                                 | 1.091059 | MILES | 3        |
| Miller Brook                  | MA32-27    | Outlet from small unnamed pond in Robinson State Park, north of North Street, Agawam to confluence with Westfield River, Agawam.                    | 0.628635 | MILES | 2        |
| Moose Meadow Brook            | MA32-23    | Source in wetland west of Bungy Mountain, Montgomery to confluence with Westfield River, Westfield.                                                 | 8.175    | MILES | 5        |
| North Railroad Pond           | MA32053    | Holyoke                                                                                                                                             | 9.125    | ACRES | 3        |
| Norwich Pond                  | MA32054    | Huntington                                                                                                                                          | 116.015  | ACRES | 3        |
| Paucatuck Brook               | MA32-29    | From outlet of Bearhole Reservoir, West Springfield to confluence with Westfield River, West Springfield.                                           | 1.475756 | MILES | 3        |
| Pequot Pond                   | MA32055    | Westfield/Southampton                                                                                                                               | 155.002  | ACRES | 5        |
| Pond Brook                    | MA32-24    | Outlet of Chapin Pond, Westfield to confluence with Powdermill Brook, Westfield.                                                                    | 3.89069  | MILES | 2        |
| Potash Brook                  | MA32-22    | Source at outlet of Dunlap Pond in Blandford to confluence with Westfield River at village of Woronoco, Russell.                                    | 5.163059 | MILES | 5        |



## Appendix 1

### Assessment Units and Integrated List Categories by Major Watershed

| NAME                        | SEGMENT ID | DESCRIPTION                                                                                                                                                                                                                                                                                                        | SIZE     | UNITS | CATEGORY |
|-----------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|
| Powdermill Brook            | MA32-09    | Source, east of Pitcher Road, Montgomery to confluence with Westfield River, Westfield.                                                                                                                                                                                                                            | 9.542397 | MILES | 5        |
| Roaring Brook               | MA32-30    | Source north of Horse Hill in Huntington State Forest, Huntington to confluence with Westfield River, Montgomery.                                                                                                                                                                                                  | 4.336    | MILES | 2        |
| Robin Hood Lake             | MA32057    | Becket                                                                                                                                                                                                                                                                                                             | 63.634   | ACRES | 3        |
| Rudd Pond                   | MA32060    | Becket                                                                                                                                                                                                                                                                                                             | 71.857   | ACRES | 3        |
| Russell Pond                | MA32061    | Russell                                                                                                                                                                                                                                                                                                            | 82.18    | ACRES | 2        |
| Sanderson Brook             | MA32-31    | Source north of Chester Road in the Chester/Blandford State Forest, Blandford to confluence with West Branch Westfield River, Chester.                                                                                                                                                                             | 3.460416 | MILES | 2        |
| Scout Pond                  | MA32063    | Chesterfield                                                                                                                                                                                                                                                                                                       | 36.779   | ACRES | 3        |
| Shaker Mill Brook           | MA32-18    | Source in October Mountain State Forest, Washington to confluence with Depot Brook, Becket.                                                                                                                                                                                                                        | 4.175987 | MILES | 2        |
| Swift River                 | MA32-12    | Source, southwest of Hawley center to confluence with Westfield River at village of Swift River, Cummington.                                                                                                                                                                                                       | 11.50344 | MILES | 2        |
| Walker Brook                | MA32-20    | Headwaters at outlet of Center Pond (north of YMCA Road), Becket to confluence of the West Branch Westfield River, Chester.                                                                                                                                                                                        | 7.124    | MILES | 2        |
| Wards Stream                | MA32-15    | Source southeast of Knowles Hill, Worthington to confluence with Watts Stream at Ringville, Worthington.                                                                                                                                                                                                           | 5.213408 | MILES | 2        |
| Watts Stream                | MA32-14    | Source near West Hill, Worthington to confluence with Wards Stream at Ringville, Worthington.                                                                                                                                                                                                                      | 5.17417  | MILES | 2        |
| West Branch Westfield River | MA32-01    | Source formed by confluence of Depot Brook and Yokum Brook in Becket to confluence with Westfield River, Huntington.                                                                                                                                                                                               | 18.105   | MILES | 2        |
| West Falls Branch           | MA32-13    | Headwaters at confluence of Bronson Brook and an unnamed tributary near the intersection of Dingle Road and Route 143, Worthington to confluence with Westfield River near the village of West Chesterfield, Chesterfield. (formerly identified by the Massachusetts Stream Classification Program as West Branch) | 2.791    | MILES | 3        |
| Westfield Reservoir         | MA32074    | Montgomery                                                                                                                                                                                                                                                                                                         | 40.049   | ACRES | 3        |
| Westfield River             | MA32-04    | Confluence of Drowned Land Brook and Center Brook in Savoy to confluence with Middle Branch Westfield River, Huntington.                                                                                                                                                                                           | 33.156   | MILES | 2        |
| Westfield River             | MA32-05    | Confluence with Middle Branch Westfield River, Huntington to Route 20 bridge, Westfield.                                                                                                                                                                                                                           | 17.837   | MILES | 5        |
| Westfield River             | MA32-06    | Route 20 bridge, Westfield to Westfield city boundary with West Springfield and Agawam.                                                                                                                                                                                                                            | 1.911025 | MILES | 3        |
| Westfield River             | MA32-07    | Westfield/West Springfield/Agawam city line to confluence with Connecticut River, Agawam.                                                                                                                                                                                                                          | 8.47687  | MILES | 2        |
| White Brook                 | MA32-28    | Source just north of Route 147, Agawam to confluence with Westfield River, Agawam.                                                                                                                                                                                                                                 | 0.929925 | MILES | 2        |
| Windsor Pond                | MA32076    | Windsor                                                                                                                                                                                                                                                                                                            | 46.598   | ACRES | 5        |
| Wright Pond                 | MA32078    | Holyoke                                                                                                                                                                                                                                                                                                            | 28.124   | ACRES | 3        |
| Yokum Brook                 | MA32-19    | Source at outlet of Buckley-Duton Lake (east of Walling Mountain), Becket to confluence with Depot Brook, Becket.                                                                                                                                                                                                  | 4.006738 | MILES | 2        |
| Yokum Pond                  | MA32079    | Becket                                                                                                                                                                                                                                                                                                             | 97.745   | ACRES | 3        |



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## Appendix 2

### § 303(d) Causes added to Category 5 of the 2014 Integrated List

|                       |            | Category |      |                                                                         |                                                                                                                                                                           |
|-----------------------|------------|----------|------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Water Body            | Segment ID | 2012     | 2014 | Impairment Cause                                                        | Explanation                                                                                                                                                               |
| Blackstone            |            |          |      |                                                                         |                                                                                                                                                                           |
| Dark Brook            | MA51-16    | 5        | 5    | Chloride                                                                | “Chloride” added based on comment by the EPA                                                                                                                              |
| Unnamed tributary     | MA51-38    | --       | 5    | Chloride                                                                | <b>New segment.</b> Impaired by “Chloride” based on comment by the EPA                                                                                                    |
| Boston Harbor: Mystic |            |          |      |                                                                         |                                                                                                                                                                           |
| Horn Pond             | MA71019    | 5        | 5    | DDT in Fish Tissue                                                      | “DDT in Fish Tissue” added based on new DPH fish advisory (August, 2013)                                                                                                  |
| Buzzards Bay          |            |          |      |                                                                         |                                                                                                                                                                           |
| Buttermilk Bay        | MA95-01    | 5        | 5    | Nutrient/Eutrophication Biological Indicators                           | ”Nutrient/Eutrophication Biological Indicators” added in response to comment from the Buzzards Bay Coalition                                                              |
| Little Buttermilk Bay | MA95-76    | 5        | 5    | Nutrient/Eutrophication Biological Indicators                           | ”Nutrient/Eutrophication Biological Indicators” added in response to comment from the Buzzards Bay Coalition                                                              |
| Mattapoissett Harbor  | MA95-35    | 4A       | 5    | Estuarine Bioassessments, Nutrient/Eutrophication Biological Indicators | “Estuarine Bioassessments” and “Nutrient/Eutrophication Biological Indicators” added in response to comment from the Buzzards Bay Coalition                               |
| Megansett Harbor      | MA95-19    | 2        | 5    | Estuarine Bioassessments, Nutrient/Eutrophication Biological Indicators | Added to the 303(d) List as impaired by “Estuarine Bioassessments” and “Nutrient/Eutrophication Biological Indicators” based on a comment from the Buzzards Bay Coalition |
| Red Brook Harbor      | MA95-18    | 4A       | 5    | Estuarine Bioassessments, Nutrient/Eutrophication Biological Indicators | “Estuarine Bioassessments” and “Nutrient/Eutrophication Biological Indicators” added in response to comment from the Buzzards Bay Coalition                               |
| Chicopee              |            |          |      |                                                                         |                                                                                                                                                                           |
| Browning Pond         | MA36025    | 4A       | 5    | Mercury in Fish Tissue                                                  | “Mercury in Fish Tissue” added based on new DPH fish advisory (August, 2013)                                                                                              |
| Deerfield             |            |          |      |                                                                         |                                                                                                                                                                           |
| Pelham Lake           | MA33016    | 3        | 5    | Mercury in Fish Tissue                                                  | “Mercury in Fish Tissue” added based on new DPH fish advisory (August, 2013)                                                                                              |
| Housatonic            |            |          |      |                                                                         |                                                                                                                                                                           |
| Lake Garfield         | MA21040    | 5        | 5    | Mercury in Fish Tissue                                                  | “Mercury in Fish Tissue” added based on new DPH fish advisory (August, 2013)                                                                                              |



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### Appendix 3

## § 303(d) Causes removed from Category 5 of the 2014 Integrated List

|                         |            | Category |      |                  |              |                                              |
|-------------------------|------------|----------|------|------------------|--------------|----------------------------------------------|
| Name                    | Segment ID | 2012     | 2014 | Impairment Cause | EPA TMDL No. | Explanation                                  |
| Boston Harbor: Neponset |            |          |      |                  |              |                                              |
| Neponset River          | MA73-01    | 5        | 5    | Escherichia coli | 54840        | Bacteria TMDL (CN 121.5) approved 7/3/2013   |
| Pecunit Brook           | MA73-25    | 5        | 4A   | Escherichia coli | 54842        | Bacteria TMDL (CN 121.5) approved 7/3/2013   |
| Unnamed Tributary       | MA73-32    | 5        | 5    | Escherichia coli | 54860        | Bacteria TMDL (CN 121.5) approved 7/3/2013   |
| Unnamed Tributary       | MA73-33    | 5        | 5    | Escherichia coli | 54861        | Bacteria TMDL (CN 121.5) approved 7/3/2013   |
| North Coastal           |            |          |      |                  |              |                                              |
| Alewife Brook           | MA93-45    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Alewife Brook           | MA93-46    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Annisquam River         | MA93-12    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Bass River              | MA93-08    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Beaverdam Brook         | MA93-30    | 5        | 5    | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Bennetts Pond Brook     | MA93-48    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Beverly Harbor          | MA93-20    | 5        | 4A   | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Cat Brook               | MA93-29    | 5        | 5    | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Causeway Brook          | MA93-47    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Crane Brook             | MA93-02    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Crane River             | MA93-41    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Danvers River           | MA93-09    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Essex Bay               | MA93-16    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Essex River             | MA93-11    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Frost Fish Brook        | MA93-36    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Gloucester Harbor       | MA93-18    | 5        | 5    | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Goldthwait Brook        | MA93-05    | 5        | 5    | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Hawkes Brook            | MA93-32    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Hawkes Brook            | MA93-33    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Lynn Harbor             | MA93-52    | 5        | 4A   | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Lynn Harbor             | MA93-53    | 5        | 4A   | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Manchester Harbor       | MA93-19    | 5        | 4A   | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |



### Appendix 3

## § 303(d) Causes removed from Category 5 of the 2014 Integrated List

| Name              | Segment ID | Category |      | Impairment Cause | EPA TMDL No. | Explanation                                  |
|-------------------|------------|----------|------|------------------|--------------|----------------------------------------------|
|                   |            | 2012     | 2014 |                  |              |                                              |
| Marblehead Harbor | MA93-22    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Mill River        | MA93-28    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Mill River        | MA93-31    | 5        | 5    | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Nahant Bay        | MA93-24    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| North River       | MA93-42    | 5        | 5    | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Pines River       | MA93-15    | 5        | 4A   | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Porter River      | MA93-04    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Proctor Brook     | MA93-39    | 5        | 5    | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Proctor Brook     | MA93-40    | 5        | 5    | Fecal Coliform   | 50123        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Rockport Harbor   | MA93-57    | 5        | 4A   | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Salem Harbor      | MA93-54    | 5        | 5    | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Salem Sound       | MA93-55    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Salem Sound       | MA93-56    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Saugus River      | MA93-34    | 5        | 5    | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Saugus River      | MA93-35    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Saugus River      | MA93-43    | 5        | 5    | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Saugus River      | MA93-44    | 5        | 5    | Fecal Coliform   | 50122        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Shute Brook       | MA93-49    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Shute Brook       | MA93-50    | 5        | 4A   | Fecal Coliform   | 50120        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Unnamed Tributary | MA93-51    | 5        | 5    | Fecal Coliform   | 50123        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |
| Waters River      | MA93-01    | 5        | 4A   | Fecal Coliform   | 50121        | Bacteria TMDL (CN 155.0) approved 10/25/2012 |



**Appendix 4****Massachusetts Year 2014 Integrated List of Waters – Responses to public comments**

This report summarizes and presents responses to the comments received on the *Proposed Massachusetts Year 2014 Integrated List of Waters* (2014 Integrated List) that was prepared by the Massachusetts Department of Environmental Protection (MassDEP) in fulfillment of reporting requirements of sections 305(b) (Summary of Water Quality Report) and 303(d) (List of Impaired Waters) of the Clean Water Act (CWA).

The integrated list format provides the current status of all previously assessed waters in a single multi-part list. Each waterbody or segment thereof is placed in one of the following five categories:

- 1) Unimpaired and not threatened for all designated uses;
- 2) Unimpaired for some uses and not assessed for others;
- 3) Insufficient information to make assessments for any uses;
- 4) Impaired or threatened for one or more uses, but not requiring the calculation of a Total Maximum Daily Load (TMDL); or
- 5) Impaired or threatened for one or more uses and requiring a TMDL.

Thus, the waters listed in Category 5 are the 303(d) List and, as such, are reviewed and approved by the U. S. Environmental Protection Agency (EPA). The remaining four categories are submitted in fulfillment of the requirements under § 305(b).

The *Proposed Massachusetts Year 2014 Integrated List of Waters* was placed on the MassDEP web site at <http://www.mass.gov/dep/water/resources/tmdls.htm>. Notice of its availability for public review and comment appeared in Vol. 82, Issue 4 of the Massachusetts Environmental Monitor (June 25, 2014) and was provided directly to over one hundred different watershed associations and other interested parties. Paper copies of the document were also available from the Division of Watershed Management's Watershed Planning Program Office in Worcester. The public comment period ended on August 1, 2014.

This document summarizes and provides responses to all comments received on the *Proposed Massachusetts Year 2014 Integrated List of Waters*. In most cases, the comments are reprinted here in their entirety; however, some of the longer comment letters were excerpted or paraphrased, and some comments were edited slightly to conform to the format adopted for this document. A final version of the *Massachusetts Year 2014 Integrated List of Waters*, incorporating the comments and responses presented here, will be prepared and submitted to the EPA for final approval of the 303(d) List (i.e., Category 5). The following table presents a list of those who submitted comments and the pages on which they appear in this document.

| <b>Commenting Party</b>                      | <b>Page</b> |
|----------------------------------------------|-------------|
| Back River Watershed Association             | 286         |
| Neponset River Watershed Association         | 286         |
| Jones River Watershed Association            | 287         |
| Buzzards Bay Coalition                       | 287         |
| Charles River Watershed Association          | 292         |
| Center for Biological Diversity              | 300         |
| US Environmental Protection Agency, Region 1 | 303         |



## Appendix 4

**Massachusetts Year 2014 Integrated List of Waters – Responses to public comments****Back River Watershed Association**

Comment 1: The Weymouth Back River is a sub-basin of the Boston Harbor Basin and located largely in the coastal communities of Weymouth and Hingham, Massachusetts. The Weymouth Back River and Estuary should remain on this important monitoring list. The Weymouth Back River, which is designated an Area of Critical Environmental, Local Scenic River, Wildlife Refuge, and One of Massachusetts Special Places is under study at UMASS Dartmouth, by Dr. Brian House and Dr. David White, Mass Estuaries Project.

Response 1: No response required.

**Neponset River Watershed Association**

*“Please find below comments from the Neponset River Watershed Association on the 2014 Proposed Massachusetts Integrated List of Waters. Supporting data is attached from our Citizen’s Water Monitoring Network, an annual volunteer water quality sampling program which was and is conducted under the auspices of our EPA/DEP approved QAPP.”*

Comment 2: Stream Segment 73-06, listed as Category 4A for fecal coliform. This stream segment should also be considered for an impairment of dissolved oxygen (DO). DO levels on this stream segment, as measured at our sampling site SMB001, averaged 4.5 mg/L during 2013. The lowest recorded measurement was 1.62 mg/L and four out of six DO measurements were below the Massachusetts water quality standard of 5 mg/L for Class B Waters as set by 314 CMR 4.00.

Response 2: MassDEP has reviewed the data submitted by the NepRWA in support of this comment and has concluded that there is too much uncertainty with respect to whether or not School Meadow Brook is actually impaired to list it as such at this time. MassDEP has some concern with respect to the lack of calibration records and validation of the NepRWA DO data; however, the source of most of the uncertainty relates to the location of the sampling site SMB001. This site is situated directly below the outlet of Ganawatte Farm Pond, a water body that is already listed in Category 5 (i.e., 303(d) List) as impaired by low DO and related causes. It is likely that conditions at SMB001 are a direct reflection of the condition of the upstream pond, and should not be considered indicative of the condition of the approximately two-mile reach of School Meadow Brook described by segment 73-06. Data from one or more sampling sites, representative of the entire segment, are needed in order to assess the use-support status of School Meadow Brook. In any case, the derivation and implementation of a TMDL, as currently required for Ganawatte Farm Pond, would likely address downstream water quality impairments, if any, in the brook.

Comment 3: Stream Segment 73-22, listed as Category 5 for dissolved oxygen. This stream segment should also be considered for an impairment of total phosphorus (TP). TP levels on this stream segment, as measured at our sampling site PQB036, averaged 0.15 mg/L during 2013. The highest recorded measurement was 0.225 mg/L and three out of five TP measurements were above the 0.1 mg/L standard set by the EPA’s “Quality Criteria for Water” (1986) and referenced in the Charles River TMDL (2011).

Response 3: There is no numerical standard for total phosphorus in the Massachusetts Surface Water Quality Standards, nor are there specific guidelines for interpreting total phosphorus data in MassDEP’s Consolidated Assessment and Listing Methodology (CALM) document. Furthermore, phosphorus criteria published by the EPA, as well as target phosphorus concentrations established by TMDL analyses for other water bodies, are not necessarily applicable to Pequid Brook. Therefore, the MassDEP does not usually list total phosphorus as a cause of impairment on the 303(d) List. Generally, waters are added to the 303(d) List if a combination of biological responses to increased nutrient levels, such as wide ranges in DO concentration, high chlorophyll levels or algal or plant “bloom” conditions indicate that one or more designated uses are actually impaired. In this case, it was noted that Pequid Brook (segment 33-22) is



**Appendix 4****Massachusetts Year 2014 Integrated List of Waters – Responses to public comments**

already listed in Category 5 of the Integrated List (i.e., the 303(d) List) as impaired by low DO levels. As such, the development and implementation of the TMDL to restore the brook will focus on reducing loadings of total phosphorus, as well as any other pollutants that may be adversely affecting instream DO concentrations.

**Jones River Watershed Association**

Comment 4: Upon cursory view of the South Coastal Basin section and the Category 5 List, in particular pg 185, my general comment is that the report does not reflect updates that should reasonably be included in such a document. On Pg 185, relative to the Category 5 of listed impairments for the Jones River--the description of river segments fails to note that there is no longer a dam at Wapping Road, which was removed in 2011. It would be most useful if the department would use updated information in this reference document, and let us know when sampling was performed. Perhaps an additional column with the list of waterbodies indicating when the assessment was performed, or some date reference, would be helpful. I believe that to be useful and appropriate that the Department should use up to date information, and at the very least, state clearly on reference pages the dates when information was obtained.

Response 4: MassDEP concurs that, ideally, all of the information presented for every watershed would be updated for each new Integrated List. However, in order to make best use of limited resources, MassDEP follows a five-year rotating watershed monitoring and assessment schedule that, at best, allows for new assessments to be completed and listing decisions to be made for 40 percent of Massachusetts' watersheds in any two-year listing cycle. As a result, much of the information pertaining to the South Coastal watersheds has not been updated since the completion of the 2006 Integrated List, and this would explain why information such as the removal of the dam described above is not reflected in the 2014 Integrated List. Over the past two years, MassDEP has made improvements to the process by which watershed assessments are carried out and has substantially revised its CALM document for the 2016 listing cycle. The updates to the CALM document will help MassDEP carry out timelier watershed assessment and listing decisions. The completion of an updated assessment of the South Coastal watersheds is now planned for the next integrated list cycle in 2016.

**The Buzzards Bay Coalition**

[**Note:** The Buzzards Bay Coalition included data tables and attachments with their comment letter that, to save space, are not reproduced here.]

*The Buzzards Bay Coalition began its comment letter: "Please accept the following as the Buzzards Bay Coalition's ("Coalition's") request to include the following water bodies as Category 5 waters on the Department of Environmental Protection's ("MassDEP's") proposed Massachusetts Year 2014 Integrated List of Waters. The Coalition is a non-profit membership organization dedicated to the restoration, protection, and sustainable use and enjoyment of Buzzards Bay and its watershed. We represent more than 8,000 individuals, families, organizations and businesses in southeastern Massachusetts who are committed to maintaining the health and ecological vitality of the Bay.*

*Pursuant to §303(d) of the Clean Water Act, each state shall identify those waters within its boundaries for which effluent limitations are not stringent enough to maintain water quality standards applicable to such waters. 33 USC §1313(d)(1)(A). Furthermore, Federal regulations dictate that in promulgating the 303(d) list the state shall assemble and evaluate all existing and readily available water quality-related data and information. Such information includes, but is not limited to, waters for which water quality problems have been reported by local, state, or federal agencies; members of the public; or academic institutions. These organizations and groups should be actively solicited for research they may be conducting or reporting. 40 CFR 130.7(b)(5)(iii). As a membership supported organization conducting on-going water quality monitoring in Buzzards Bay, it is pursuant to this legal framework that the Coalition submits this report and request.*



## Appendix 4

**Massachusetts Year 2014 Integrated List of Waters – Responses to public comments**

*The Coalition's 303(d) submittal substantially conforms to the DEP Data Submittal Guidelines in the Monitoring Method Guidance document CN 0.71 (December, 2006) as well as the Recommended Content of Data Report Submittals Monitoring Method Guidance CN 0.74 (November, 2006). The Coalition notes that the MassDEP Data Submittal Guidelines are recommended guidelines and are intended to serve as guidance in order to help evaluate the accuracy, precision and representativeness of the data and are not intended to serve as regulations or requirements. Therefore, the Coalition expects that if MassDEP finds additional information necessary, they will present the Coalition with an opportunity to comply.*

**Comment 5:** Based on the Coalition's water quality monitoring data, which meets the MassDEP's and EPA's reliability requirements as discussed above and detailed below, the Coalition requests that the following waters be added to the Commonwealth of Massachusetts' 303(d) list of Category 5 waters requiring a TMDL for nutrients.

| <u>Water Segment</u>                     | <u>Municipality</u> |
|------------------------------------------|---------------------|
| Buttermilk Bay and Little Buttermilk Bay | Wareham/Bourne      |
| Mattapoisett Harbor                      | Mattapoisett        |
| Megansett Harbor                         | Bourne/Falmouth     |
| Red Brook Harbor                         | Bourne              |

The Massachusetts Surface Water Quality Standards designate these waterbodies as Class SA waters. Class SA waters are waters with excellent habitat for fish, other aquatic life and wildlife and for primary and secondary contact recreation. The standards also clearly state that these waters shall have excellent aesthetic value (314 CMR 4.05(4)(a)), have dissolved oxygen levels not below 6.0mg/l (314 CMR 4.05(4)(a)(1)(a)) requiring that natural seasonal and daily variations above this level be maintained (314 CMR 4.05(4)(a)(1)(b)).

**Response 5:** It is important to note here that there is currently no numerical standard for nitrogen in the Massachusetts Surface Water Quality Standards, nor are there specific guidelines for interpreting nitrogen data in the CALM document. Therefore, except in limited instances, MassDEP does not include nitrogen concentration as a cause of impairment on the 303(d) List. Instead, the MassDEP relies, for assessment and listing purposes, on a number of indicators that represent responses to excessive nutrient enrichment. For example, the cause "Estuarine Bioassessments" is applied in cases where impairment from nutrient enrichment is indicated by the loss of sea grasses (e.g., eelgrass) over time. Furthermore, such nutrient-related "response indicators" as DO depletion and supersaturation, elevated chlorophyll concentrations and noxious algae blooms are all encompassed in the cause code "Nutrient/Eutrophication Biological Indicators", which, when appearing on the 303(d) List, does require that a TMDL for nutrients be developed.

The development of site-specific critical nitrogen thresholds for coastal embayments is an essential element of the Massachusetts Estuaries Project (MEP), and some of these thresholds are already available for embayments with completed nitrogen TMDLs. However, when making assessment and listing decisions for additional embayments, it is important not to compare nitrogen concentration data from those water bodies with nitrogen thresholds already established for other estuaries. As explained in the MEP's "Site-specific Nitrogen Thresholds Document," the "quantitative thresholds will vary between and within embayments" and "site-specific thresholds are developed on the basis of specific basin configuration, source water quality and watershed spatial features for each embayment. The MEP has already determined that total nitrogen thresholds based upon the same habitat quality can vary more than 50%, due to their specific oceanographic setting. This wide range greatly increases the need for site specific quantitative thresholds..."

In light of the information presented above, MassDEP performed a thorough review of the Coalition's data submittal and request to place five water bodies on the 2014 303(d) list of waters as requiring a TMDL for





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nutrients. All of the materials submitted by the Coalition were subjected to a detailed external data review by MassDEP quality assurance/quality control (QA/QC) staff and recommendations were made pertaining to the usability of data and information for assessing and listing waters under sections 305(b) and 303(d) of the CWA. For example, the use of DO data obtained through the use of DO kits was not recommended, whereas validated data from properly calibrated probes were considered acceptable. In addition, water quality data (e.g., nutrients, chlorophyll, etc.) were recommended for use if they were supported by adequate field duplicates and met stated data quality objectives. Finally, the locations of the Coalition's sampling stations (e.g., open water sites vs. sampling from piers; sampling at surface water vs. sampling at depth, etc.) were examined to assess their representativeness with respect to the conditions prevailing throughout the water body as a whole. When completing this review, MassDEP placed more emphasis on data and information obtained from sampling stations that were judged to be more representative. Results of the review are discussed below for each water body in question.

#### Buttermilk Bay (MA95-01) and Little Buttermilk Bay (MA95-76)

Comment 6: The Coalition requests that Buttermilk and Little Buttermilk Bay, in the towns of Bourne and Wareham, be added to the Commonwealth of Massachusetts' 303(d) list of Category 5 waters as impaired for nutrients requiring a nutrient TMDL. The Coalition's water quality monitoring data support its listing.

Buttermilk and Little Buttermilk Bay demonstrate water quality decline related to excess nutrients. The Coalition submits multiple years of oxygen data taken from multiple site locations depicting water quality decline due to nutrient overenrichment. The Coalition recognizes that while Little Buttermilk Bay was listed by MassDEP on the 2012 list for bioassessment, it is critical that the regulatory agencies recognize that this water segment is impaired for nutrients and list it as such.

Nutrient-specific assessments lead to direct removal of nutrients from the coastal waters of Buzzards Bay. Bioassessments or biomonitoring look at various factors to determine the overall health of a body of water. While these types of assessment are important and provide a general condition of the ecosystem, they are not focused enough to lead to action items or the actual immediate removal of pollutants, such as nitrogen, from the Bay.

MassDEP has classified nitrogen as a pollutant that requires a TMDL in many areas of southeastern Massachusetts. Excessive levels of nitrogen can lead to loss of eelgrass beds, algae blooms, fish kills and reductions in critical marine life. Increases in nitrogen levels stem from point sources, non point sources as well as natural sources. In order to target areas that are suffering from excessive levels nitrogen, like Buttermilk Bay, and remove as much nitrogen as possible from these areas, it is imperative that MassDEP list Buttermilk Bay as impaired for nutrients areas requiring a TMDL for nutrients.

Dissolved oxygen data for sampling sites LB1 and LB2 are in clear violation of surface water quality standards, falling below dissolved oxygen levels of 6mg/l, and having significantly elevated chlorophyll levels that degrade water clarity and aesthetic value, as well as total nitrogen concentrations higher than similar estuaries with established TMDLs. A listing for estuarine bioassessment is inadequate to restore water quality. A nutrient TMDL must be established for this water body.

Response 6: As mentioned in Comment 6, both Buttermilk Bay and Little Buttermilk Bay are already listed in Category 5 of the Proposed 2014 Integrated List with "Estuarine Bioassessment" listed as an impairment cause. This listing was based on the loss of eel grass beds associated with nutrient enrichment and, as such, identified the need for a TMDL to control nutrient loadings to these embayments. Nonetheless, in response to the above comment, the MassDEP reviewed the Coalition's data submittal which included additional variables that typically respond to nutrient enrichment (e.g., water-column chlorophyll concentrations). The Coalition's data on these "response indicators" further corroborate MassDEP's original conclusion that these waters are impaired and in need of nutrient TMDLs. Therefore, consistent with the MassDEP's approach described above for assessing and listing



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nutrient-impaired waters, “Nutrient/Eutrophication Biological Indicators” will be added as a cause of impairment for these two embayments, thereby specifying that a TMDL for nutrients be developed for these waters.

Red Brook Harbor (MA95-18)

Comment 7: The Coalition requests that Red Brook Harbor in Bourne, be added to the Commonwealth of Massachusetts’ 303(d) list of Category 5 waters requiring a Nutrient TMDL. The Coalition’s water quality monitoring data support its listing. The Coalition’s dissolved oxygen data show that Red Brook Harbor consistently falls below the numeric criteria of 6mg/l as designated in 314 CMR 4.05(4)(a)(1)(a) and warrants listing on the 303(d) list. The DO concentrations sampling sites RB1, RB2, RB3, and RB4, clearly show a significant number of samples which fall below the numeric dissolved oxygen criteria established in the Massachusetts Surface Water Quality Standards. The Coalition’s Chlorophyll data show that Red Brook Harbor does not possess the excellent aesthetic values required of SA waters pursuant to 314 CMR 4.05(4)(a), “These waters shall have excellent aesthetic value” and warrants listing on the 303(d) list. The phytoplankton pigment data show rising levels in pigment concentrations at sampling station RB1 in Red Brook Harbor. This indicates degraded water clarity in violation of the excellent aesthetic value required in Massachusetts Surface Water Quality Standards.

The Coalition’s total nitrogen data for Red Brook Harbor suggests that the nitrogen levels are causing low dissolved oxygen numbers and promoting algae growth. It is important to note that the total nitrogen concentrations measured in Red Brook Harbor exceed those levels identified to support healthy benthic communities and eelgrass meadows in other systems. For instance, the US EPA has established nitrogen limits for West Falmouth Harbor in Falmouth, MA and Phinneys Harbor in Bourne, MA through approved TMDLs at a level of .35mg/L total nitrogen. The nitrogen levels in Red Brook Harbor exceed .35mg/L total nitrogen nearly 100% of the time.

It is clear that Red Brook Harbor is suffering from accelerated eutrophication due to excess nutrients and must be listed on the Commonwealth of Massachusetts’ 303(d) list of Category 5 waters requiring a TMDL for nutrients. The state listed adjacent Pocasset Harbor in the 2012 listing, and not surprisingly, given the inadequate amount of nitrogen reductions occurring throughout the watershed, Red Brook Harbor water quality also continues to decline due to nutrient pollution. Listing Red Brook Harbor will help restore water quality and protect the many uses the Harbor provides to the community. In addition to bathing beaches and shellfishing, Red Brook Harbor is home to Cape Cod’s largest commercial marina. Restoring and protecting water quality in Red Brook Harbor serves an important ecological and economic priority to the community.

Response 7: Red Brook Harbor appeared in section 4a of the *Proposed Massachusetts Year 2014 Integrated List of Waters* indicating that it was impaired by fecal coliform and that an EPA-approved TMDL was available for this impairment. However, in response to this comment, the MassDEP reviewed the Coalition’s water monitoring data submittal (four sites) along with applicable GIS eelgrass datalayers and the Massachusetts Estuaries Project *Site-specific Nitrogen Thresholds Document* prepared by University of Massachusetts’ School for Marine Science and Technology (SMAST) and MassDEP to determine whether sufficient information was available to list this water body as impaired by nutrients. The Coalition provided data on nitrogen, DO and algal pigments (i.e., chlorophyll and phaeophytin). There is no numerical criterion for nitrogen in the Massachusetts Surface Water Quality Standards and, currently, no site-specific threshold for nitrogen has been established for Red Brook Harbor. Nonetheless, the Coalition reported that mean total nitrogen concentrations were 0.5 mg/l or higher at all four sites. Furthermore, DO levels are below 6.0 mg/l on average and sometimes decrease to 2-3 mg/l. Generally, MassDEP places more emphasis, when assessing and listing waters, on a number of indicators that represent responses to excessive nutrient enrichment, such as nutrient-related eelgrass loss, DO depletion and supersaturation, elevated chlorophyll concentration and the occurrence of excessive algae blooms. From this review, MassDEP concurs that Red Brook Harbor is exhibiting signs of eutrophication to the extent that the aquatic life use is impaired. Accordingly, this water body will be added to the 2014



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303(d) List with both “Estuarine Bioassessments” and “Nutrient/Eutrophication Biological Indicators” specified as the impairment causes. This will serve to identify the need for a nutrient TMDL for Red Brook Harbor.

Mattapoissett Harbor (MA95-35)

Comment 8: While once heralded as the standard to which all other Harbors in Buzzards Bay were held, even Mattapoissett Harbor is demonstrating nutrient related water quality decline. The Coalition requests that Mattapoissett Harbor in Mattapoissett, be added to the Commonwealth of Massachusetts’ 303(d) list of Category 5 waters requiring a TMDL. The Coalition’s water quality monitoring data provide data to support its listing. Mattapoissett Harbor demonstrates water quality decline related to excess nutrients. Coalition submits multiple years of oxygen data taken from sampling sites MH1, MH2X, MH3, MH4X, and MH5 depicting water quality decline. Coalition’s dissolved oxygen data show that Mattapoissett Harbor consistently falls below the numeric criteria of 6mg/l as designated in 314 CMR 4.05(4)(a)(1)(a) and warrants listing on the 303(d) list. The Coalition’s Chlorophyll data show that Mattapoissett Harbor does not possess the excellent aesthetic values required of SA waters pursuant to 314 CMR 4.05(4)(a), “These waters shall have excellent aesthetic value” and warrants listing on the 303(d) list. The phytoplankton pigment data show rising levels in pigment concentrations at sampling station MH1 in Mattapoissett Harbor. This indicates degraded water clarity in violation of the excellent aesthetic value required in Massachusetts Surface Water Quality Standards.

The Coalition’s total nitrogen data for Mattapoissett Harbor suggests that the nitrogen levels are causing low dissolved oxygen numbers and promoting algae growth. It is important to note that the total nitrogen concentrations measured in Mattapoissett Harbor are beginning to regularly exceed those levels identified to support healthy benthic communities and eelgrass meadows in other systems. For instance, the US EPA has established nitrogen limits for West Falmouth Harbor in Falmouth, MA and Phinneys Harbor in Bourne, MA through approved TMDLs at a level of .35mg/L total nitrogen. The nitrogen levels in Mattapoissett Harbor have often exceeded .35mg/L total nitrogen in the last 10 years.

It is clear that Mattapoissett Harbor is suffering from accelerated eutrophication due to excess nutrients and must be listed on the Commonwealth of Massachusetts’ 303(d) list of Category 5 waters requiring a TMDL for nutrients.

Response 8: MassDEP reviewed the Coalition’s water monitoring data submittal, along with applicable GIS eelgrass datalayers and the MEP *Site-specific Nitrogen Thresholds Document* prepared by SMAST and MassDEP, to determine whether sufficient information was available to list Mattapoissett Harbor as impaired by nutrients. The Coalition’s submittal included nitrogen, chlorophyll and DO data, although the latter were obtained primarily through the use of test kits, and not from calibrated probes. Because MassDEP generally relies, for assessment and listing purposes, on indicators that respond to nutrient enrichment, rather than water-column nutrient concentrations, more weight was placed on the evaluation of MassDEP’s multi-year eelgrass habitat mapping, as well as the Coalition’s chlorophyll data. From this review, MassDEP concluded that enough credible information existed to support the addition of Mattapoissett Harbor to Category 5 (i.e., the 303d List) of the Final 2014 Integrated List with “Estuarine Bioassessments” and “Nutrient/Eutrophication Biological Indicators” specified as the impairment causes. This will serve to identify the need for a nutrient TMDL for Mattapoissett Harbor.

Megansett Harbor (MA95-19)

Comment 9: The Coalition requests that Megansett Harbor in Bourne and Falmouth, be added to the Commonwealth of Massachusetts’ 303(d) list of Category 5 waters requiring a TMDL. The Coalition’s water quality monitoring data provide data to support its listing. Megansett Harbor demonstrates water quality decline related to excess nutrients. Coalition submits multiple years of oxygen and nutrient data taken from sampling sites MG1X, MG2 and MG4 depicting water quality decline. Coalition dissolved oxygen data show that Megansett Harbor consistently falls below the numeric criteria of 6mg/l as



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designated in 314 CMR 4.05(4)(a)(1)(a) and warrants listing on the 303(d) list. The Coalition's Chlorophyll data show that Megansett Harbor does not possess the excellent aesthetic values required of SA waters pursuant to 314 CMR 4.05(4)(a), "These waters shall have excellent aesthetic value" and warrants listing on the 303(d) list. The phytoplankton pigment data show rising levels in pigment concentrations at sampling station MG1 in Megansett Harbor. This indicates degraded water clarity in violation of the excellent aesthetic value required in Massachusetts Surface Water Quality Standards.

The Coalition's total nitrogen data for Megansett Harbor suggests that the nitrogen levels are causing low dissolved oxygen numbers and promoting algae growth. It is important to note that the total nitrogen concentrations measured in Megansett Harbor are beginning to regularly exceed those levels identified to support healthy benthic communities and eelgrass meadows in other systems. For instance, the US EPA has established nitrogen limits for West Falmouth Harbor in Falmouth, MA and Phinneys Harbor in Bourne, MA through approved TMDLs at a level of .35mg/L total nitrogen. The nitrogen levels in Megansett Harbor frequently exceed .35mg/L total nitrogen. Taken together, it is clear that Megansett Harbor is suffering from accelerated eutrophication due to excess nutrients and must be listed on the Commonwealth of Massachusetts' 303(d) list of Category 5 waters requiring a TMDL for nutrients.

Response 9: MassDEP reviewed the Coalition's water monitoring data submittal (four sites), along with applicable GIS eelgrass datalayers and the MEP *Site-specific Nitrogen Thresholds Document* prepared by SMAST and MassDEP, to determine whether sufficient information was available to list Megansett Harbor as impaired by nutrients. There is currently no site-specific threshold for nitrogen available for Megansett Harbor, and examination of the Coalition's monitoring data from more representative sampling sites did not appear to indicate obvious bay-wide overenrichment. For example, whereas mean total nitrogen and chlorophyll concentrations were elevated at a near-shore station (MG1) sampled from a dock, these variables were substantially lower at more open-water sites (i.e., MG2, MG4) that were judged to be more representative of bay-wide conditions. Nonetheless, when assessing and listing waters for nutrient-related impacts, MassDEP places more emphasis on a number of indicators that represent responses to excessive nutrient enrichment, such as nutrient-related eelgrass loss, DO depletion and supersaturation, elevated chlorophyll concentration and the occurrence of excessive algae blooms. A review of historical and current eelgrass datalayers from Megansett Harbor indicate that eelgrass is being lost at the outer edges of the beds as the result of diminished light penetration associated with nutrient enrichment. MassDEP concurs, therefore, that Megansett Harbor is showing signs of eutrophication to the extent that the aquatic life use is impaired. Therefore, this water body will be added to the 2014 303(d) List with both "Estuarine Bioassessments" and "Nutrient/Eutrophication Biological Indicators" specified as the impairment causes. By doing so, the derivation of a nutrient TMDL becomes a requirement for Megansett Harbor.

**Charles River Watershed Association**

[**Note:** CRWA included data tables and appendices with their comment letter that, to save space, are not reproduced here.]

Comment 10: As stated in previous comment letters, CRWA is concerned about the pace at which waterbody segment impairments are being assessed and addressed in the Charles River watershed. The Charles River segment listings on the Proposed Year 2014 Integrated List of Waters are nearly identical to the Year 2012 and 2010 Integrated List of Waters. MassDEP adjusted its Surface Water Monitoring 5-Year Basin schedule for the Charles to 2010. Five years later, that assessment has yet to happen. Many Massachusetts river basins have not been assessed in over a decade. In our opinion, this program is not complying with the requirements of the Clean Water Act. There are well over 100 pollutant and pollution impairments in the Charles River watershed alone which are not currently being addressed through a Total Maximum Daily Load (TMDL). The existing TMDL development process is extremely resource intensive, making TMDL development even more challenging in the face of scarce resources. However, MassDEP should address how it will comply with the Clean Water Act in the Charles River



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watershed by ensuring all waterbodies are being assessed on a regular cycle and that no waterbody segments violate state water quality standards.

Response 10: As stated in the narrative portion of the Proposed 2014 Integrated List, a conscious decision was made to submit the 2014 Integrated List to the EPA as close to the April 1, 2014 deadline as possible even though no new watershed assessments were included in this submittal. MassDEP acknowledges that the pace at which watershed assessments are carried out has slowed considerably in recent years. However, a number of initiatives and program enhancements are underway at MassDEP that are designed to streamline certain resource-intensive program elements, such as watershed assessment, and focus more directly on the restoration of waters that are already known to be impaired. For example, since the completion of the 2012 reporting cycle, MassDEP has taken several steps to automate, to the extent possible, the process by which watershed assessments are completed and has significantly revised its CALM document for the 2016 listing cycle and beyond. The use of the new CALM document will result in greater confidence in future assessment and listing decisions and more accurate integrated reports.

A review of recent 303(d) list submittals will reveal that the major causes of surface water impairment in Massachusetts are bacteria and excess nutrients. MassDEP continues to place a high priority on developing and implementing TMDLs for these pollutants, and a lot of progress has been made with the completion of TMDLs for waters in the Charles River Watershed. EPA-approved TMDLs are now in place for 20 segments impaired by bacteria, and for over 80 nutrient-related impairment causes associated with 32 different segments. These TMDLs will be implemented through the issuance of national pollutant discharge elimination system (NPDES) and municipal separate storm sewer system (MS4) permits, as well as a variety of measures to control non-point source pollution (NPS).

In 2014 EPA approved the 2014-2019 update of the Massachusetts Nonpoint Source Management Program Plan (NPS Plan) which presents the planning framework which must be used to address NPS pollution in the Commonwealth. The updated plan follows guidance provided by the EPA and provides an overarching strategy as well as specific, measurable actions aimed at reducing the impacts of NPS pollution and improving water quality in Massachusetts. The NPS Plan is implemented through the development of individual Watershed-Based Plans (WBP). The WBP are required for all projects implemented with CWA Section 319 incremental dollars and are recommended for all watershed projects, whether they are designed to protect unimpaired waters, restore impaired waters, or both. MassDEP's approach has been to develop the WBP statewide, so that good projects in all river basins will remain eligible for CWA Section 319 implementation funds. To learn more about the Massachusetts NPS Plan and WBP, please visit <http://www.mass.gov/eea/agencies/massdep/water/watersheds/nonpoint-source-pollution.html>.

Massachusetts has begun to work collaboratively with EPA to develop a new, long-term vision and associated goals for the CWA Section 303(d) Program ("303d Vision"). The 303(d) Vision approach is based on directing state resources to address the state's highest self-identified water quality priorities. Furthermore, the 303d Vision embraces the concept that states can select priorities based on both the restoration of impaired waters as well as protection of unimpaired waters. The EPA website: [http://water.epa.gov/lawsregs/lawsguidance/cwa/tmdl/upload/vision\\_303d\\_program\\_dec\\_2013.pdf](http://water.epa.gov/lawsregs/lawsguidance/cwa/tmdl/upload/vision_303d_program_dec_2013.pdf) provides a comprehensive description of the purpose, goals and elements of this new approach to addressing water quality restoration and protection that is currently being considered by Massachusetts.

Comment 11: Overall, we are concerned about the paucity of water quality monitoring by MassDEP across the state since "[r]esults of the MassDEP's monitoring efforts, combined with all other reliable information, constitute the basis for making water quality assessments in accordance with the requirements set forth in Section 305(b) and 303(d) of the CWA." Massachusetts Consolidated Assessment and Listing Methodology Guidance Manual (2012) (CALM Manual) at p. 6. Given the high bar established by MassDEP for the acceptance of third party data, MassDEP monitoring is critically



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important. As far as we are aware, no MassDEP monitoring occurred statewide, let alone in the Charles, between the 2012 and Proposed 2014 Integrated Lists of Waters. We note that according to the CALM Manual, “[i]deally these data are 5 years old or less; the DWM data used for the 2012 reporting cycle are 9 years old or less.” Id. Now it appears that the data underpinning the 2014 Integrated List of Waters is even staler, calling into serious question its validity.

Response 11: MassDEP acknowledges both the lack of targeted monitoring to support a number of different programs required by the CWA, and the slow pace at which the watershed assessments are proceeding, as reflected in the Proposed 2014 Integrated List. However, it is not accurate to state that no monitoring occurred during the time between the 2012 and 2014 integrated lists. Over the past several years changes were made to MassDEP’s monitoring program in order to more fully comply with the EPA’s guidelines for monitoring. For example, in 2010 a decision was made to focus MassDEP’s dwindling monitoring and assessment resources on a state-wide, statistically-valid survey of Wadeable Streams. Implemented over a period of five years, the randomization of sampling site selection allows conclusions to be drawn with respect to the condition of all of Massachusetts’ Wadeable Streams. This survey is described in more detail on pages 4-5 of the Proposed 2014 List document. MassDEP anticipates that the results of this survey will be released as part of the 2016 integrated list reporting cycle.

MassDEP is currently developing a ten-year strategic plan for its monitoring program. The ultimate goal is to implement a comprehensive monitoring program that serves all water quality management needs and addresses all water body types. This planning effort will identify future monitoring needs and outline a strategy for meeting those needs. While probabilistically-derived sampling networks will continue to play a role in MassDEP’s monitoring program in the future, the plan will also highlight the need for site-specific, targeted monitoring programs to meet multiple water management objectives including, but not limited to, the assessment and listing of waters pursuant to sections 305(b) and 303(d) of the CWA. Furthermore, it is likely that MassDEP will have to rely more heavily on external sources of water monitoring data in the future, due to a number of constraints on its existing monitoring resources. To that end, MassDEP is establishing partnerships, developing guidance on data submittals for outside parties and organizations, and implementing measures to streamline data review and validation protocols. See, for example, <http://www.mass.gov/eea/agencies/massdep/water/watersheds/external-data-submittals-for-the-wpp.html>.

Comment 12: In its response to CRWA’s comments on the 2012 Integrated List of Waters concerning the Biological Categories and what are now referred to as Groundwater Withdrawal Levels (GWL) developed in the Sustainable Water Management Initiative (SWMI), MassDEP stated that it had “yet to evaluate the USGS studies, or the SWMI framework within the context of Massachusetts’ Surface Water Quality Standards and reporting under the Clean Water Act” because the draft “Framework Summary was not published until one month after the release of the Proposed 2012 Integrated List of Waters and long after the completion of the watershed assessments represented in the 2012 list” Appendix 5: Massachusetts Year 2012 Integrated List of Waters—Response to public comments, at p. 293. We note that although the SWMI Framework was scientifically peer reviewed and validated and finalized in November, 2012, there is no reliance on or attempt to integrate this information in the Proposed 2014 List.

According to the CALM Manual at p. 10, “[i]n a Class B Warm Water Fishery, the fish population should be well represented by fluvial specialist/dependents species . . .” Most subbasins, with the exception of MWRA-served communities, in the Charles are Biological Category 4 or 5 and GWL 4 and 5. As the narrative for Biological Category 4s and 5s makes clear, BC 4s and 5s do not meet Massachusetts Water Quality Standards. Indeed, even BC 3 (15 to 35% Alteration of the Range of Fluvial Fish Relative Abundance) “represents fish communities that have exhibited considerable change in the structure of the fish community.” “[T]he estimated flow alteration in a stream due to the impact of groundwater withdrawals alone were [also] calculated in SWMI. See, Interactive SWMI map for Charles River basin BC and GWL categories at: [http://209.80.128.252/flexviewers/SWMI\\_View/index.html](http://209.80.128.252/flexviewers/SWMI_View/index.html). This best available scientific data should be utilized in the 2014 Integrated List of Waters.



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Response 12: As a part of SWMI, MassDEP along with the Executive Office of Energy and Environmental Affairs (EEA) and its member agencies, worked with numerous stakeholder groups to develop a new policy framework for comprehensively managing water withdrawals throughout the Commonwealth to ensure an appropriate balance among competing water needs and the preservation of water resources. As noted in the above comment, the SWMI framework was in draft form at the time of the publication of the Final 2012 Massachusetts Integrated List of Waters, and MassDEP had not reviewed it within the context of reporting under the Clean Water Act (CWA). However, at the request of the CRWA, a brief description of SWMI was added to the introductory section of the final 2012 Massachusetts Integrated List of Waters and this has been updated slightly in the 2014 document. Since then, MassDEP has reviewed the SWMI framework and associated research performed by the USGS in an effort to determine its applicability to the Massachusetts' Surface Water Quality Standards (SWQS) and the assessment and listing of waters under the CWA and has concluded that it is inappropriate to list waters as impaired based solely on the biological categories (BC) or groundwater withdrawal categories (GWC) (formerly GWL) derived from the SWMI models. While these predicted BC and GWC values are appropriate for their intended use, that is, permitting under the Water Management Act (WMA), they have no direct relationship to the SWQS and are not sufficient, in and of themselves, for determining the use-support status of specific water bodies.

Massachusetts presents its methodology for assessing and listing waters pursuant to sections 305(b), 314 and 303(d) of the CWA in its CALM document. This document describes, in considerable detail, how physico-chemical, biological, flow and habitat data, and other information are used as multiple lines of evidence to assess aquatic life use support. Critical to this assessment process is the availability of credible scientific data obtained from the actual water bodies under assessment. BC and GWC values, however, do not represent actual instream measurements of water quality and biological integrity but are derived from GIS large-scale overlays (such as impervious surface, watershed area, wetland area) or are themselves modeled (August flow alteration), to facilitate permitting activities. Therefore, they cannot be used as surrogates for the site-specific data and information required for assessing and listing waters in accordance with the requirements of the CWA. MassDEP will continue to list in Category 4c those waters for which site-specific flow data, field observations or habitat assessments indicate impairments from low-flow conditions.

*Segment and Pollutant Specific Comments*

Comment 13: MA72-01 (Charles River) – This section was observed to be dry during a UMass Boston sampling outing to the Echo Lake Downstream (ELDS) site located 0.5 mi from the outlet of Echo Lake in the fall of 2013 (See attached *Biology Honors Thesis*, p. 6). Additionally, benthic macroinvertebrate sampling conducted by UMass Boston from this site in 2012 and 2013 indicate significant impairment at this site. CRWA acknowledges that UMass Boston does not have a DEP approved QAPP or lab, nor do they follow DEP's exact protocols, nevertheless this information should be used to place this segment on Alert Status while sufficient data can be gathered to assess impairment. Additionally, there are multiple dams along this segment although it is not currently listed for (Fish-Passage Barrier\*).

Response 13: Observations of low or no stream flow, such as those mentioned in this comment, are useful and will be considered in the next assessment of the Charles River Watershed. However, long-term stream discharge data and related information pertaining to the frequency, magnitude and duration of low-flow events need to be assembled and reviewed before adding an impairment cause such as "low flow alterations" to this segment. It should be noted that this comment pertains to stream flow issues which are not managed through the CWA 303(d) listing and TMDL process. Nevertheless, as a part of SWMI, MassDEP along with EEA and its member agencies, worked with numerous stakeholder groups to develop a new policy framework for comprehensively managing water withdrawals in the Charles River Watershed and throughout the Commonwealth to ensure an appropriate balance among competing water needs and the preservation of water resources.



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**CRWA/UMass-Boston collaborative macroinvertebrate monitoring program** - MassDEP applauds the CRWA's collaborative efforts with UMass-Boston to develop a benthic macroinvertebrate monitoring program for the Charles River Watershed. Despite the lack of a DEP-approved QAPP, this program has the potential to serve as a valuable screening tool for evaluating the general condition of the wadeable streams in the watershed. It should be noted, however, that the taxonomic resolution currently offered by the CRWA's benthic monitoring program (i.e., family- or order-level depending upon the invertebrate group in question) does not meet the MassDEP's minimum data requirements for assessing the Aquatic Life use in accordance with requirements of the CWA. As outlined in its CALM document, MassDEP utilizes a modification of the EPA's Rapid Bioassessment Protocol (RBP) III metrics and scoring to assess aquatic life use support, and this approach relies on taxonomic identification of invertebrate specimens to genus or species level. Nonetheless, the results of the benthic macroinvertebrate sampling conducted by UMass Boston in this segment will be taken into consideration when completing the next assessment of the Charles River Watershed and, if applicable, this segment may be assigned an "Alert Status."

**MassDEP's policy for assessing and listing fish passage issues** - MassDEP acknowledges the enormous number of dams on rivers and streams in Massachusetts that can affect, to a greater or lesser degree, the hydrology, biology and water quality of those water bodies. However, it is not MassDEP's policy to identify every stream impounded by a dam in Massachusetts as impaired by the stressor "Fish-Passage Barrier." This cause code is only applied in situations where a fish passage structure is in place, but it is functioning poorly or not at all. MassDEP's CALM document states: "If impediments to fish passage (such as dams) exist but no structure has ever been built to allow for fish passage, no impairment decision is currently made." For this reason "Fish-Passage Barrier" is not included as a stressor to Segment MA72-01. However, like stream flow, fish passage limitation is not a pollutant that would result in the listing of a segment in Category 5 (i.e., the 303d List) and would not be managed through the provisions of the CWA.

Comment 14: MA72-33 / MA72-03 (Charles River) – UMass Boston and CRWA also conducted benthic macroinvertebrate monitoring along segment MA72-33 (site 35CS). Overall, water quality scores for this site using the Invertebrate Community Index (ICI), Stream Biotic Index (SBI), and EPA Streamside Biosurvey scoring models were not as poor as many of the other sites assessed, however, certain metrics included in the ICI were very poor for this site including Dominant Taxon Contribution, EPT Index, EPT: Chironomidae, and Reference Affinity (See Excerpt From: *Efficacy of Citizen Science in Water Quality Studies: A Macroinvertebrate Biomonitoring Project in the Charles River Watershed, Massachusetts*). There are multiple dams along this segment therefore it should be listed for (Fish-Passage Barrier\*).

Response 14: Please refer to the sections of Response 13 that pertain to the CRWA/UMass-Boston collaborative invertebrate monitoring program and the policy for assessing and listing fish passage issues.

Comment 15: MA72-04 (Charles River) – CRWA regularly records excessively high total nitrogen and nitrate / nitrite concentrations in this segment through our Volunteer Monthly Monitoring (VMM) Program. CRWA's VMM Program is run in accordance with a MassDEP and EPA approved Quality Assurance Project Plan (QAPP), samples are analyzed at MWRA's Deer Island lab, a state-approved lab, and citable reports from 2012 and 2013 are attached (additionally year reports available upon request if MassDEP does not already have copies). Sampling site 90CS had the highest nitrogen concentrations for any site along the Charles in both 2012 and 2013. Results are frequently over an order of magnitude larger than CRWA's Action Limits for these parameters. Acknowledging that the state does not have numeric criteria for nutrient parameters, CRWA believes the data presented are enough to show excess nitrogen above background levels and believes this segment should be listed as impaired for Total Nitrogen. Additionally, there are multiple dams along this segment although it is not currently listed for (Fish-Passage Barrier\*).

Response 15: MassDEP has reviewed the CRWA's data submittal in support of the above comment and found it to be very satisfactory, with most of the data deemed suitable for assessment and listing





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purposes. Furthermore, MassDEP acknowledges that nitrogen (particularly nitrate) levels are significantly elevated at CRWA sampling site 90CS, although they are substantially lower, within this same segment, downstream at site 199S. What is less certain, however, is whether the elevated nitrogen values, in and of themselves, actually constitute an impairment of the beneficial uses designated for this water body. As stated in the CRWA's comment, there is no numerical standard for nitrogen in the Massachusetts Surface Water Quality Standards, nor are there specific guidelines for interpreting nitrogen data in the CALM document, and MassDEP typically does not determine use impairment from data on nitrogen or phosphorus concentration alone. Rather, waters are identified as impaired by nutrients only if a combination of factors, such as wide ranges in DO concentration, high chlorophyll levels or algal or plant "bloom" conditions indicate a response to increased nutrient levels. Such is the case in the next downstream segment, MA72-05, where no less than six nutrient-related causes of impairment are covered by the EPA-approved *Total Maximum Daily Load for Nutrients in the Upper/Middle Charles River, Massachusetts*. Segment MA72-04 is also covered by this TMDL and, while the focus of the TMDL is on controlling total phosphorus, measures to do so will likely also tend to reduce nitrogen loadings to this segment. Nitrogen to phosphorus (N:P) ratios in both segments indicate that phosphorus is the limiting nutrient and should continue to be the target for load reductions to control eutrophic conditions in the Charles River. As such, MassDEP does not find a compelling case for listing "nitrogen" as a stressor to segment MA72-04 at this time.

MassDEP acknowledges the enormous number of dams on rivers and streams in Massachusetts that can affect, to a greater or lesser degree, the hydrology, biology and water quality of those water bodies. However, it is not MassDEP's policy to identify every stream impounded by a dam in Massachusetts as impaired by the stressor "Fish-Passage Barrier." This cause code is only applied in situations where a fish passage structure is in place, but it is functioning poorly or not at all. MassDEP's CALM document states: "If impediments to fish passage (such as dams) exist but no structure has ever been built to allow for fish passage, no impairment decision is currently made." For this reason "Fish-Passage Barrier" is not included as a stressor to this segment. However, like stream flow, fish passage limitation is not a pollutant that would result in the listing of a segment in Category 5 (i.e., the 303d List) and would not be managed through the provisions of the CWA.

Comment 16: MA72-05 / MA72-06 (Charles River) – There are dams along these segments although it is not currently listed for (Fish-Passage Barrier\*).

Response 16: Please refer to the section of Response 13 that pertains to MassDEP's policy for assessing and listing limitations to fish passage.

Comment 17: MA72-10 (Stop River) – UMass Boston and CRWA conducted biological monitoring along Stop River in Medfield in 2012 and 2013. The ICI results from 2012 show this site as impacted in comparison to the other sites sampled with very poor performance in certain metrics including Scraper: Filterer, EPT Index, EPT: Chironomidae, and Reference Affinity.

Response 17: Please refer to the section of Response 13 that pertains to the CRWA/UMass-Boston collaborative invertebrate monitoring program. This segment is already listed as impaired by "organic enrichment (sewage) biological indicators" and this stressor would be applicable where deleterious effects on the benthic macroinvertebrate community are noted. It is anticipated that, over time, the implementation of the EPA-approved nutrient TMDL for the Upper Charles Watershed will result in improvements to water quality in the Stop River and that this will be reflected in improvements to its resident biological communities.

Comment 18: MA72-18 (Fuller Brook) – UMass Boston conducted biological monitoring along Fuller Brook in Wellesley in 2013, results from this sampling event show poor water quality and poor habitat quality at the sampling location (See *An Independent Study BIOL 478*). This water body should be placed



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on Alert Status and assessed to determine if there are additional impairments in addition to those listed that are causing poor water quality at this site.

Response 18: Please refer to the section of Response 13 that pertains to the CRWA/UMass-Boston collaborative invertebrate monitoring program. This segment is already listed as impaired by “nutrient/eutrophication biological indicators” based on MassDEP’s findings of a moderately impaired benthic macroinvertebrate community in 2002. It is anticipated that, over time, the implementation of the EPA-approved nutrient TMDL for the Upper Charles Watershed will result in improvements to water quality in Fuller Brook and that this will be reflected in improvements to the benthic macroinvertebrate community.

Comment 19: MA72-23 (Sawmill Brook) – UMass Boston conducted biological monitoring along Sawmill Brook in Boston in 2013. The results of this sampling was a very poor water quality score (See *An Independent Study BIOL 478*). This water body should be placed on Alert Status and assessed to determine if there are additional impairments in addition to those listed that are causing poor water quality at this site.

Response 19: Please refer to the section of Response 13 that pertains to the CRWA/UMass-Boston collaborative invertebrate monitoring program. Note, however, that this segment is already listed as impaired by “organic enrichment (sewage) biological indicators” and this stressor would be applicable where deleterious effects on the benthic macroinvertebrate community are observed. It is anticipated that, over time, the implementation of the EPA-approved nutrient TMDL for the Upper Charles Watershed will result in improvements to water quality in Sawmill Brook and that this will be reflected in improvements to its resident biological communities.

Comment 20: MA72-24 (South Meadow Brook) – UMass Boston conducted biological monitoring along South Meadow Brook in Newton in 2013. The result from this sampling was a very poor water quality score (See *A Biology Honors Thesis*). This water body should be placed on Alert Status and assessed to determine if there are additional impairments in addition to those listed and addressed through existing TMDLs that are causing poor water quality at this site.

Response 20: Please refer to the section of Response 13 that pertains to the CRWA/UMass-Boston collaborative invertebrate monitoring program. This segment currently appears in Category 4a with EPA-approved TMDLs for bacteria and nutrients in place. Several habitat-related stressors are also noted; however, no historical data and information were available on the status of the biological communities in South Meadow Brook until now. The results of the benthic macroinvertebrate sampling conducted by UMass Boston in this segment will be taken into consideration when completing the next assessment of the Charles River Watershed and, if applicable, this segment may be assigned an “Alert Status.” Meanwhile, it is expected that the implementation of the EPA-approved nutrient TMDL for the Upper Charles Watershed will result in improvements to water quality in South Meadow Brook and that this will be reflected in improvements to the benthic macroinvertebrate and other resident aquatic communities.

Comment 21: MA72-28 (Beaver Brook) – UMass Boston conducted biological monitoring along Beaver Brook in Waltham in 2012 and 2013. In 2012, poor water quality was observed, while moderately impacted water quality was observed in 2013. The ICI results from 2012 show this site as impacted in comparison to the other sites sampled with very poor performance in certain metrics including Taxonomic Richness, Scraper: Filterer, EPT Index, and Reference Affinity (See Excerpt From: *Efficacy of Citizen Science in Water Quality Studies: A Macroinvertebrate Biomonitoring Project in the Charles River Watershed, Massachusetts*). In 2013, flow levels were observed to be very low during sampling. This water body should be placed on Alert Status and assessed to determine if there are additional impairments in addition to those listed that are causing poor water quality at this site. This site should be listed for (Low flow alterations\*). There are barriers along this segment and therefore it should be listed for (Fish-Passage Barrier\*).



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Response 21: Please refer to the sections of Response 13 that pertain to the CRWA/UMass-Boston collaborative invertebrate monitoring program and the policy for assessing and listing fish passage issues. Beaver Brook segment MA72-28 currently appears in Category 5 with EPA-approved TMDLs covering bacterial contamination as well as several nutrient-related stressors (i.e., excess algal growth, organic enrichment (sewage) biological indicators, dissolved oxygen, total phosphorus and turbidity). It is anticipated that, over time, the implementation of the EPA-approved nutrient TMDL for the Upper Charles Watershed will result in improvements to water quality in Beaver Brook and that this will be reflected in improvements to its resident macroinvertebrate community.

MassDEP has occasionally observed low flow conditions in this brook in the past and this, in addition to the culverted aspect of the lower 0.6 miles of the stream, led to the addition of the stressor “other flow regime alterations” to this segment. MassDEP has elected not to assign the stressor “low flow alterations” based on limited field observations only. More information pertaining to the frequency and duration of low-flow events in Beaver Brook would be needed before a determination of low-flow impairment could be made. MassDEP will consider the CRWA/UMass-Boston’s field observations when completing the next assessment of the Charles River Watershed.

Comment 22: MA72-29 (Cheese Cake Brook) – UMass Boston and CRWA conducted biological monitoring along Cheesecake Brook in Newton in 2012 and 2013. The results indicate very poor water quality in the downstream section (north of Route 16) of this stream. Low flow levels and significant sediment deposits were also observed during both sampling outings. This water body should be placed on Alert Status and assessed to determine if there are additional impairments in addition to those listed and addressed through existing TMDLs that are causing poor water quality at this site. This segment should be listed for (Sedimentation/Siltation\*) and (Low flow alterations\*) (See Excerpt From: *Efficacy of Citizen Science in Water Quality Studies: A Macroinvertebrate Biomonitoring Project in the Charles River Watershed, Massachusetts*).

Response 22: Please refer to section of Response 13 that pertains to the CRWA/UMass-Boston collaborative invertebrate monitoring program. Cheese Cake Brook, segment MA72-29, currently appears in Category 4a with EPA-approved TMDLs covering bacterial contamination as well as nutrient-related stressors (i.e., excess algal growth, DO saturation and total phosphorus). Additional causes of impairment listed for this segment are “other anthropogenic substrate alterations” and “alteration in stream-side or littoral vegetative covers,” both of which are a reflection of the channelization and other habitat degradation that has occurred in this stream. While these are not pollutants requiring a TMDL, it is anticipated that, over time, the implementation of the EPA-approved nutrient TMDL for the Upper Charles Watershed will result in reduced solids loading and improved water quality in Cheese Cake Brook.

MassDEP does not believe there is sufficient evidence at this time to assign the stressor “low flow alterations” to this segment based on the limited field observations. More information pertaining to the frequency and duration of low-flow events in Cheese Cake Brook would be needed before a determination of low-flow impairment could be made. MassDEP will consider the CRWA/UMass-Boston’s field observations when completing the next assessment of the Charles River Watershed.

Comment 23: MA72-36 (Charles River) – A large sediment island continues to impede river recreation in this stretch. Photos and sediment sampling results are attached. This segment should be listed for (Sedimentation/Siltation\*) or placed on Alert Status.

Response 23: MassDEP is not inclined to add the stressor “sedimentation/siltation” to this segment at this time. More information pertaining to the source, character and extent of the sand bars is needed to determine whether one or more designated uses are, in fact, impaired and, if so, to develop the appropriate steps to restore those uses. Nonetheless, MassDEP will consider the CRWA/UMass-Boston’s



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comment when completing the next assessment of the Charles River Watershed and, if applicable, this segment may be assigned an “Alert Status.”

**Comment 24:** MA72-11 (Muddy River) – UMass Boston and CRWA conducted biological monitoring along the Muddy River in Brookline in 2012 and 2013. The results indicate very poor water quality in the River. Low flow levels and significant sediment deposits were also observed during both sampling outings. This site is presently listed for Total Phosphorus but no TMDL number is listed as addressing it although the Muddy River watershed is included in the Lower Charles Phosphorus TMDL.

**Response 24:** Please refer to the section of Response 13 that pertains to the CRWA/UMass-Boston collaborative invertebrate monitoring program. MassDEP concurs that water quality in Muddy River is poor and this segment (MA72-11) appears in Category 5 of the Integrated List (i.e., the 303(d) List) with a combination of eleven different pollutant and non-pollutant impairment codes. MassDEP will consider the observations of low flow and sedimentation when completing the next assessment of the Charles River Watershed. Contrary to what is implied in this comment, the Lower Charles Phosphorus TMDL does not apply to the Muddy River segment MA72-11. Only the reach of the main stem Charles River extending from the Watertown Dam to the New Charles River Dam in Boston is covered by this TMDL.

#### Center for Biological Diversity

*(The comment letter began: “Ocean acidification is an overarching threat to ocean ecosystems and fisheries that depend on a healthy environment. Massachusetts should provide leadership on ocean acidification. The state has an opportunity to take steps to address this important water quality problem before it is too late. On behalf of the Center for Biological Diversity, I am writing to request that Massachusetts amend its Proposed 303(d) Integrated List of Waters to identify coastal waters as threatened or impaired water bodies due to ocean acidification under section 303(d) of the Clean Water Act. Massachusetts’ 2014 draft list lacks any information on ocean acidification, and does not describe the steps that the state took to assess coastal waters for impairments by ocean acidification. EPA has directed states to evaluate information on ocean acidification and to include such description in their integrated reports. At minimum, Massachusetts must evaluate all readily available data on pH and ocean acidification to determine if water quality standards are being attained. Ocean acidification is already causing measurable impacts on coastal and bay waters. The state has a duty to look at the information that is available to it to evaluate the condition of its coastal waters in the face of ocean acidification. Some of the most recent science with specific relevance to this determination is summarized below and enclosed, and the Center’s prior submission is incorporated herein by reference.”*

*Note: A brief narrative summary of pertinent scientific literature on ocean acidification and its effects on marine life followed these introductory remarks. A compact disc containing over a dozen research articles was also submitted. Some of the following comments were paraphrased or excerpted from the lengthier comment letter.)*

**Comment 25:** Several water quality standards are threatened or not attained. Massachusetts must list ocean waters as impaired for ocean acidification because (1) designated uses habitat for fish, other aquatic life and wildlife are not attained due to ocean acidification; (2) ocean acidification is affecting the chemical composition of marine water and interfering with fish and shellfish propagation; (3) numeric pH criteria are not attained or threatening nonattainment; and (4) antidegradation policies are violated by continuing ocean acidification.

**Response 25:** MassDEP concurs that ocean acidification is a serious issue of global concern and the Commonwealth plans to expand its ocean monitoring and assessment activities in the future as part of its strategy for assessing and managing the effects of climate change. However, Massachusetts, like most coastal states, does not presently have sufficient data and information to suggest that the four conditions associated with ocean acidification listed above currently exist in Massachusetts’ ocean waters. In



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accordance with EPA regulations and guidance pertaining to section 303(d) of the CWA, MassDEP only assesses and lists waters for which credible scientific data are available *from those waters*. While data and information pertaining to ocean acidification are available from other regions of the world, as evidenced from the literature cited by the Center for Biological Diversity, none of the data and information contained in the submitted documents were collected from waters within Massachusetts' jurisdiction. Therefore, MassDEP does not agree that these waters should be placed on the 303(d) List.

Comment 26: Massachusetts has an independent duty to evaluate ocean acidification during its water quality assessment. Specifically, EPA directed states to evaluate ocean acidification data for their 2012 integrated reports. The Clean Water Act provides that states must "evaluate all existing and readily available water quality-related data and information to develop the list." 40 C.F.R. § 130.7(b)(5); see also *Sierra Club v. Leavitt*, 488 F.3d 904 (11th Cir. 2007). Beyond reviewing the information submitted by the Center, Massachusetts must also evaluate pH, biological information, and other monitoring data that is available to it and seek out ocean acidification data from state, federal, and academic research institutions. EPA's 2010 memo and Integrated Report Guidance discussed several sources, including the National Oceanic and Atmospheric Administration data. There are now several sources for high resolution ocean acidification data. Massachusetts must obtain and evaluate data from research institutions, including but not limited to:

- NERACOOS, the Northeastern Regional Association of Coastal and Ocean Observing Systems <http://www.neracoos.org/>
- National Ocean Data Center <http://www.nodc.noaa.gov/>
- Integrated Ocean Observing System <http://www.ioos.noaa.gov/>
- Woods Hole Oceanographic Institute <http://www.whoi.edu/>

Response 26: The regulation governing § 303(d) that requires states to "assemble and evaluate all existing and readily available water quality-related data and information to develop the § 303(d) list" does not mandate that states use all data and information regardless of the quality or representativeness of that information. In fact, the EPA strongly encourages states to establish minimum data requirements and acceptable criteria for submitting data for consideration for listing. To that end, MassDEP has established criteria for receiving and evaluating scientific data and information from outside sources, such as other state and federal agencies, universities and citizen monitoring groups. MassDEP will accept and review data and information pertaining to the quality of Massachusetts' waters if the following are provided: 1) an appropriate Quality Assurance Project Plan (QAPP) including a laboratory Quality Assurance/Quality Control (QA/QC) plan, 2) use of a state certified lab (certified for the applicable analyses), 3) a description of data validation and management QA/QC, and 4) all of the information is documented in a citable report that includes the QA/QC analyses.

MassDEP does not dispute the assertion by the Center for Biological Diversity that the data and information they provided on ocean acidification is from highly credible scientific journals and reports. What is much less certain is the representativeness and applicability of this information to the specific coastal and marine waters of Massachusetts. As indicated earlier, none of the data and information contained in the submitted documents were collected from waters within Massachusetts' jurisdiction. In fact, there are not a lot of data available from Massachusetts' marine waters that can be used to assess potential effects of ocean acidification.

MassDEP has reviewed data and information provided by the organizations listed above, but most of these monitoring programs do not contain representative data from Massachusetts' waters. For example, information pertaining to one of the NERACOOS projects, the Northeast Coastal Acidification Network (NECAN) can be found at [www.neracoos.org/necan](http://www.neracoos.org/necan). NECAN is currently completing a report on the state of the science for ocean and coastal acidification in the Northeast. However, no routine monitoring for pH or pCO<sub>2</sub> is conducted in Massachusetts waters. Another program element of NERACOOS involves the maintenance, by the University of Maine, of one monitoring buoy in Massachusetts near Cape Ann, but there are no pH or pCO<sub>2</sub> sensors on that buoy. Finally, the Woods Hole Oceanographic Institution (WHOI)



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Martha's Vineyard Coastal Observatory (MVCO) (<http://www.whoi.edu/mvco>) also deploys sensors, but these sensors, until very recently, did not measure pH or pCO<sub>2</sub>. Sensors for pH and pCO<sub>2</sub> were installed at the MVCO in 2014.

A few pH or pCO<sub>2</sub> sensors have been deployed in coastal waters near Massachusetts. Also part of NERACOOS, the University of New Hampshire (UNH) operates buoys with sensors in New Hampshire waters. They measure pCO<sub>2</sub>, but not pH, on a continuous basis. Early in 2015 UNH established a monitoring station in Casco Bay at the Southern Maine Community College (SMCC) in South Portland, ME to measure pH, pCO<sub>2</sub> and other water quality parameters.

It can be seen, from the information above, that monitoring systems are gradually being established to measure pH, pCO<sub>2</sub> and other variables in ocean water related to climate change. However, most of these programs are new, monitoring sites are scattered, and periods of record are too short to allow for the determination of natural background conditions or trends in marine pH and other important indicators.

**Comment 27:** Massachusetts must also analyze its own water quality monitoring data for information that may be relevant to ocean acidification, including pH measurements. Massachusetts has failed to meet these requirements. To correct its integrated report, the state needs to obtain and evaluate all relevant parameters of ocean acidification data available from these sources that serve as clearinghouses for ocean acidification data, especially those that are specific to Massachusetts' waters.

**Response 27:** As indicated above, there presently exist very little data from Massachusetts' ocean waters to support assessment and listing decisions under the CWA, although limited monitoring has recently begun. In 2009, the Massachusetts Office of Coastal Zone Management (CZM) released an Ocean Management Plan, part of which included a Baseline Assessment of Massachusetts marine waters. At that time, CZM staff reviewed pH measurements taken from Massachusetts Bay by the Massachusetts Water Resources Authority (MWRA). No violations of the pH standard were observed, and data were insufficient for determining long-term trends. The 2009 baseline assessment was recently updated and released with the (currently draft) 2014 Ocean Management Plan and this revision can be accessed at <http://www.mass.gov/eea/waste-mgmt-recycling/coasts-and-oceans/mass-ocean-plan/2014-draft-ocean-plan.html>. One new monitoring effort is described as follows. Between December 2011 and June 2012, Stellwagen Bank National Marine Sanctuary (SBNMS) staff deployed instruments to measure CO<sub>2</sub>, pH, oxygen, temperature, salinity, and beam attenuation on the Traffic Separation Scheme Test Auto Buoy (TSS Test AB) located at 42° 19.946' N, 70° 26.640' W at a depth of 85 m. The purpose of the project was to evaluate the feasibility of incorporating long-term ocean acidification monitoring sensors on existing passive acoustic monitoring moorings. While the SBNMS serves as a sentinel site within the National Oceanic and Atmospheric Administration (NOAA) Ocean and Great Lakes Acidification Research Plan, it should be noted that it lies outside of Massachusetts' jurisdictional waters. From all of the previous discussion, it is plain that monitoring to assess acidification in Massachusetts' ocean waters is in its infancy, and more funding will be needed to support a focused, representative monitoring program to address this important issue in the future.

**Comment 28:** In summary, Massachusetts' coastal waters are imperiled by ocean acidification. The state should list its waters as threatened or impaired under the Clean Water Act. At minimum, the state must evaluate all available data on pH and ocean acidification for impairments of both numeric and narrative water quality standards. Delaying action will only allow the problem and impacts to become more severe.

**Response 28:** MassDEP agrees that ocean acidification is an issue of global concern that must be closely monitored and that excess carbon dioxide emissions contributing to this problem should be managed under the Clean Air Act through strict emission limits on greenhouse gases (GHG). MassDEP acknowledges further that the 303(d) program under the Clean Water Act has the potential to complement and aid these efforts by ensuring that, over time, waters that are impaired due to ocean acidification are identified and targeted for restoration. To that end, Massachusetts will list waters not



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meeting water quality standards, including marine pH, where data and assessment methods are available.

On August 7, 2008, Massachusetts Governor Deval Patrick signed the Global Warming Solutions Act, which in addition to GHG reduction mandates, also calls for the secretary to “convene an advisory committee to analyze strategies for adapting to the predicted impacts of climate change in the commonwealth.” Furthermore, Massachusetts has joined with other northeastern states in addressing GHG emissions through the Regional Greenhouse Gas Initiative (RGGI), a cap-and-trade program designed to reduce GHG emissions from electricity generation. Massachusetts will continue to monitor and manage the effects of climate change on its marine resources through the implementation of the strategies set forth in the *Massachusetts Climate Change Adaptation Report* (<http://www.mass.gov/eea/docs/eea/energy/ccal/eea-climate-adaptation-report.pdf>), published in 2011, and the Ocean Management Plan.

**U. S. Environmental Protection Agency Region 1**

**Comment 29:** Please consider Dark Brook and its unnamed tributary in Auburn, MA within the Blackstone River watershed (MA51) for inclusion in the Massachusetts Year 2014 Integrated List of Waters pursuant to sections 305(b), 314 and 303(d) of the Clean Water Act. Detailed USEPA studies during the winter of 2013-2014 show that this stream is highly impaired by chloride concentrations that exceed both acute and chronic water-quality standards for aquatic life and ecosystem health. On March 21, 2014, technical information supporting this submittal was given to you by the U. S. Environmental Protection Agency's Region I New England office in a report titled "Acute Road Salt Contamination of Dark Brook and the Auburn Water District's Church Street Wellfield in Auburn, Massachusetts," dated March 2014.

**Response 29:** MassDEP has reviewed the above-cited data report and other documentation pertaining to the effects of deicing practices on ground and surface waters in the watershed of Dark Brook in Auburn, MA. All data were determined to be acceptable for use in assessing and listing waters in accordance with sections 305(b) and 303(d) of the CWA. EPA's study found a strong correlation between aqueous chloride concentrations and specific conductance ( $R^2=.99$ ). By continuously monitoring specific conductance *in situ*, multiple exceedances of EPA acute and chronic criteria for chloride were demonstrated in Dark Brook and an unnamed tributary to this brook. Based on this research, MassDEP concurs that these streams are contaminated by chloride from road-salting practices, and “chloride” will be added to the list of impairments already attributed to Dark Brook (i.e., “Aquatic Macroinvertebrate Bioassessments”, “Non-native Aquatic Plants” and “Escherichia coli”). In addition, a new segment will be created for the unnamed tributary to Dark Brook, and this will be added to the 303(d) List as impaired by “chloride.”

