WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Narragansett Basin RI0007 (continued)

Kickemuit River Subbasin RI0007033

RI0007033E-01A	Kickemuit River from the Child Street bridge (Route 103) in Warren, south to the river mouth at "Bristol Narrows" excluding the waters described below. Bristol, Warren	SA
RI0007033E-01B	Kickemuit River south of a line from the eastern extension of Kickemuit Avenue in Bristol to the DEM range marker located on the western tip of Little Neck in Touisset, and north of a line from the DEM range markers located on the east shore and west shore at the entrance to the Kickemuit River including the "Bristol Narrows" in its entirety. Bristol, Warren	SA{b}
RI0007033E-01C	Kickemuit River west of a line from the DEM range marker located on the western tip of Little Neck in Touisset to the brick stack located at 426 Metacom Avenue in Warren (formally known as the Carol Cable Building),north of a line from the eastern extension of Sherman Avenue in Bristol to the western extension of Chase Avenue Touisset, and south of a line from the eastern extension of Harris Avenue in Warren to the "5 MPH No Wake" buoy. Bristol, Warren	SA{b}

Mt. Hope Bay Subbasin RI0007032

RI0007032E-01D	Mt. Hope Bay waters south and west of the MA-RI border and north of a line from Borden's Wharf, Tiverton to buoy R "4" and east of a line from buoy R "4" to Brayton Point in Somerset, MA. Bristol, Portsmouth and Tiverton.	SB1
RI0007032E-01C	Mt. Hope Bay waters south of a line from Borden's Wharf, Tiverton, to buoy R "4" and west of a line from buoy R "4" to Brayton Point, Somerset, MA., and east of a line from the end of Gardiner's Neck Road in Swansea to buoy N "2", through buoy R4 to Common Fence Point, Portsmouth, and north of a line from Portsmouth to Tiverton at the railroad bridge at "The Hummocks" on the northeast point of Portsmouth. Portsmouth	SB
RI0007032E-01A*	Mt. Hope Bay south and west of the MA/RI border, and east of a line from Touisset Point to the channel marker buoy R "4" and south and east of a line from buoy R "4" to the southernmost landward end of Bristol Point and south of a line from Bristol Point to the Hog Island shoal light, to the southwestern extremity of Arnold Point in Portsmouth where a RIDEM range marker has been established; and west of a line from the end of Gardiner's Neck Road, Swansea to buoy N"2", through buoy R4 to Common Fence Point, Portsmouth excluding the waters defined in RI0007032E-01E below. Warren, Portsmouth	SA
RI0007032E-01B	Mt. Hope Bay waters north and west of a line from the southernmost landward end of Bristol Point to buoy R "4" and west of a line from buoy R "4" to the DEM range marker on Touisset Point, and south of the Bristol Narrows. Bristol, Warren	SA

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Narragansett Basin RI0007 (continued)

Mt. Hope Bay Subbasin RI0007032 (continued)

RI0007032E-01E	Waters approximately 100 feet off the Weyerhauser Dock as defined by the following geographical coordinates:-71.265097 west longitude 41.625132 north latitude;-71.265086 west longitude 41.627190 north latitude;-71.264170 west longitude 41.627188 north latitude;-71.264177 west longitude 41.625455 north latitude. Portsmouth	SB
RI0007032R-01	Fonders Brook. Portsmouth	A

Stafford Pond Subbasin RI0007037

RI0007037L-01@	Stafford Pond. Tiverton	AA
RI0007037R-01	Sucker Brook. Tiverton	A

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Pawcatuck River Basin
RI0008

Pawcatuck River & Tributaries Subbasin
RI0008039

RI0008039L-21	The Reservoir. Exeter	A
RI0008039R-06A	Chipuxet River headwaters to the entrance of Yawgoo Mill Pond. North Kingstown, Exeter	A
RI0008039L-16	Yawgoo Mill Pond. Exeter	A
RI0008039R-06B	Chipuxet River from outlet of Yawgoo Mill Pond to the entrance of Hundred Acre Pond. Exeter, South Kingstown	B
RI0008039L-13	Hundred Acre Pond. South Kingstown	B
RI0008039R-06C	Chipuxet River from outlet of Hundred Acre Pond to the entrance into Warden Pond, excluding Thirty Acre Pond. South Kingstown	B
RI0008039L-12	Thirty Acre Pond. South Kingstown	B
RI0008039L-07	Worden Pond. South Kingstown	B
RI0008039R-27A	White Horn Brook headwaters to Route 138. South Kingstown	A
RI0008039R-08	Genessee Brook. South Kingstown	B
RI0008039R-27B	White Horn Brook from Route 138 to the wetlands associated with and due east of, Worden Pond. South Kingstown	B
RI0008039L-11	Larkin Pond. South Kingstown	B
RI0008039R-15	Mink Brook. South Kingstown	B
RI0008039L-08	Tucker Pond. South Kingstown	B
RI0008039R-01	Alewife Brook. South Kingstown	B
RI0008039R-18A	Pawcatuck River from Warden Pond to the dam at Kenyon. South Kingstown, Charlestown	B
RI0008039R-05A	Chickasheen Brook headwaters to Yawgoo Pond. Exeter	A
RI0008039L-15	Yawgoo Pond. Exeter, South Kingstown	A
RI0008039R-39	Mud Brook. Exeter, South Kingstown	B
RI0008039L-14	Barber Pond. South Kingstown	B
RI0008039R-05B	Chickasheen Brook from the Yawgoo Pond outlet to the confluence with the Usquepaug river. South Kingstown, Richmond	B
RI0008039R-21A	Queens River from headwaters south to its entrance into Bear Swamp in Exeter. West Greenwich, Exeter	A

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE
Pawcatuck River Basin RI0008 (continued)		
Pawcatuck River & Tributaries Subbasin RI0008039 (continued)		
RI0008039R-21B	Queens River from its entrance into Bear Swamp to its confluence with Queens Fort Brook. Exeter	A
RI0008039R-29	Pendock River. West Greenwich, Exeter	A
RI0008039R-07	Fisherville Brook. West Greenwich, Exeter	A
RI0008039R-30	Dutemple Brook. Exeter	A
RI0008039R-22	Sodom Brook. Exeter	A
RI0008039L-25	Dawley Pond. Exeter	A
RI0008039R-31A	Queens Fort Brook headwaters to 3/4 mile south of Victory Highway (Route 102). Exeter	A
RI0008039R-33	Reuben Brown Brook. Exeter	A
RI0008039R-31B	Queens Fort Brook from 3/4 mile south of Victory Highway (Route 102) to the confluence with the Queens River. Exeter.	B
RI0008039R-21C	Queens River from its confluence with Queens Fort Brook to Glen Rock Reservoir. Exeter	A
RI0008039R-10	Locke Brook. Exeter	B
RI0008039R-32	Rake Factory Brook. Exeter, South Kingstown	B
RI0008039R-34	Sherman Brook. Exeter, South Kingstown	B
RI0008039R-09	Glen Rock Brook. Richmond, South Kingstown	B
RI0008039L-19	Glen Rock Reservoir. South Kingstown	B
RI0008039R-25	Usquepaug River from Glen Rock Reservoir to the confluence with the Pawcatuck River. Richmond, Charlestown, South Kingstown	B
RI0008039R-18B	Pawcatuck River from the dam at Kenyon to the beginning of the Carolina Mill Pond in Carolina. Richmond, Charlestown	B1
RI0008039L-20	James Pond. Exeter	A
RI0008039R-03	Beaver River. Exeter, Richmond	A
RI0008039L-06	Pasquiset Pond. Charlestown	A
RI0008039R-17	Pasquiset Brook. Charlestown	A
RI0008039L-22	Maple Lake. Charlestown	A
RI0008039R-18C	Pawcatuck River from the entrance to the Carolina Mill Pond to the Bradford Dyeing Associates WWTF discharge point. Richmond, Charlestown, Hopkinton, Westerly	B

Pawcatuck River Basin RI0008 (continued)

Pawcatuck River & Tributaries Subbasin RI0008039 (continued)

RI0008039L-23	Grass Pond. Richmond	A
RI0008039R-23	Taney Brook. Richmond	B
RI0008039R-26	White Brook. Richmond	B
RI0008039R-13	Meadow Brook from the headwaters to the confluence with the Pawcatuck River. Richmond	A
RI0008039L-05	Meadowbrook Pond (Sandy Pond). Richmond	A
RI0008039L-24	Saw Mill Pond. Charlestown	B
RI0008039R-04	Cedar Swamp Brook. Charlestown	B
RI0008039R-19	Perry Healy Brook. Westerly, Charlestown	B
RI0008039L-02	Watchaug Pond. Charlestown	B
RI0008039R-20	Poquiant Brook. Charlestown	B
RI0008039R-24	Tomaquag Brook. Hopkinton	A
RI0008039R-18D	Pawcatuck River from the Bradford Dyeing Associates WWTF discharge point to the Route 3 bridge crossing. Hopkinton, Westerly	B1
RI0008039R-12	McGowan Brook. Westerly	B
RI0008039L-01	Chapman Pond. Westerly	B
RI0008039R-35	Aguntaug Brook. Westerly	B
RI0008039R-14	Mile Brook. Hopkinton	B
RI0008039R-38	Wine Brook. Hopkinton	A
RI0008039R-37	Parmenter Brook. Hopkinton	A
RI0008039R-02A	Ashaway River headwaters south to the Ashaway Road highway bridge. Hopkinton	A
RI0008039R-02B	Ashaway River from the Ashaway Road highway bridge to its confluence with the Pawcatuck River. Hopkinton	B
RI0008039R-18E	Pawcatuck River from the Route 3 bridge crossing to the Route 1 highway bridge at the junction of Main Street and Broad Street in Westerly. Westerly	B
RI0008039R-11	Mastuxet Brook. Westerly	B

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Pawcatuck River Basin RI0008 (continued)

Wood River & Tributaries Subbasin RI0008040

RI0008040R-20	White Brook. West Greenwich	A
RI0008040R-02	Breakheart Brook. West Greenwich, Exeter	A
RI0008040L-15	Breakheart Pond. West Greenwich, Exeter	A
RI0008040R-01	Acid Factory Brook. West Greenwich	A
RI0008040L-16	Eisenhower Lake. West Greenwich	A
RI0008040R-19	Factory Brook. West Greenwich	A
RI0008040R-14	Phillips Brook. West Greenwich	A
RI0008040R-08	Flat River. West Greenwich, Exeter	A
RI0008040L-19	Tillinghast Pond. West Greenwich	A
RI0008040R-05	Coney Brook. West Greenwich	A
RI0008040L-18	Wickaboxet Pond. West Greenwich	A
RI0008040R-10	Kelley Brook. West Greenwich	A
RI0008040L-21	Hazard Pond. West Greenwich	A
RI0008040R-07	Falls River. West Greenwich, Exeter	A
RI0008040R-16A	Wood River from the headwaters starting at confluence of Flat and Falls Rivers, to the confluence with Roaring Brook. Exeter, Hopkinton, Richmond.	A
RI0008040L-17	Tippencansett Pond. West Greenwich	A
RI0008040R-13	Parris Brook. West Greenwich, Exeter	A
RI0008040L-12	Deep Pond. Exeter	A
RI0008040R-17	Woody Hill Brook. Exeter	A
RI0008040L-14	Boone Lake. Exeter	B
RI0008040R-15	Roaring Brook. West Greenwich, Exeter, Richmond	B
RI0008040L-13	Browning Mill Pond (Arcadia Pond). Exeter, Richmond	B
RI0008040L-22	Frying Pan Pond. Richmond, Hopkinton	B
RI0008040R-16B	Wood River from confluence with Roaring Brook to the inlet of Wyoming Pond. Richmond, Hopkinton	B
RI0008040R-18	Baker Brook. Richmond	B

Pawcatuck River Basin RI0008 (continued)

Wood River & Tributaries Subbasin RI0008040 (continued)

RI0008040R-22	Moonshine Creek. Richmond	B
RI0008040L-23	Canob Pond. Richmond	B
RI0008040R-23	Canob Brook. Richmond	B
RI0008040L-11	Wyoming Pond. Hopkinton	B
RI0008040R-16C	Wood River from the outlet of Wyoming Pond to the inlet of Alton Pond. Richmond, Hopkinton	B
RI0008040L-07@	Yawgoog pond. Hopkinton	AA
RI0008040L-06	Wincheck Pond. Hopkinton	B
RI0008040L-08	Grassy Pond. Hopkinton	A
RI0008040R-09	Grassy Brook. Hopkinton	A
RI0008040R-12	Moscow Brook. Hopkinton	B
RI0008040R-11	Log House Brook. Hopkinton	B
RI0008040L-09	Moscow Pond. Hopkinton	B
RI0008040R-03A	Brushy Brook headwaters to Sawmill Road. Exeter, Hopkinton	A
RI0008040R-03B	Brushy Brook from Sawmill Road to the entrance of Locustville Pond. Hopkinton	B
RI0008040L-10	Locustville Pond. Hopkinton	B
RI0008040R-03C	Brushy Brook from the outlet of Locustville Pond to the confluence with the Wood River. Hopkinton	B
RI0008040R-06	Diamond Brook. Richmond	B
RI0008040L-02	Carolina Trout Pond. Richmond	A
RI0008040L-05	Ell Pond. Hopkinton	B
RI0008040L-20	Long Pond. Hopkinton	B
RI0008040R-24	Glade Brook. Hopkinton	A
RI0008040R-04A	Canonchet Brook headwaters, excluding all ponds, to Route 3 crossing. Hopkinton	B
RI0008040L-03	Blue Pond. Hopkinton	B
RI0008040L-04	Ashville Pond. Hopkinton	B
RI0008040R-04B	Canonchet Brook from Route 3 in Hopkinton to the confluence with the Wood River. Hopkinton	B

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Pawcatuck River Basin RI0008 (continued)

Wood River & Tributaries Subbasin RI0008040 (continued)

RI0008040R-16D	Wood River from the Alton Pond dam to the confluence with the Pawcatuck River. Richmond, Hopkinton, Charlestown	B
RI0008040L-01	Alton Pond. Hopkinton	B

Tidal Pawcatuck River/Little Narragansett Bay Subbasin RI0008038

RI0008038E-01A	Tidal Pawcatuck River from Route 1 highway bridge to Pawcatuck Rock. Westerly	SB1
RI0008038E-01B	Tidal Pawcatuck River from Pawcatuck Rock to a line from Rhodes Point, RI to Pawcatuck Point, CT. Westerly	SB
RI0008038E-02A	Little Narragansett Bay west of a line extending from Pawcatuck Point in Connecticut to Rhodes Point in Rhode Island, excluding the area described below. Westerly	SA
RI0008038E-02B	Little Narragansett Bay including Watch Hill Cove, southeast of a line from the northernmost extension of land that forms Napatree Point to the westernmost point of land on the south side of the mouth of Fosters Cove. Westerly	SA{b}

Westport River Basin RI0009

Adamsville Brook & Tributaries Subbasin RI0009041

RI0009041R-01	Adamsville Brook. Tiverton, Little Compton	B

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE
Coastal Waters RI0010		
Southwest Coastal Ponds Subbasin RI0010043		
RI0010043E-03	Maschaug Pond. Westerly	SA
RI0010043L-18	Little Maschaug Pond. Westerly	A
RI0010043E-09	Winnapaug Pond. Westerly	SA
RI0010043E-07	Quonochontaug Pond. Charlestown, Westerly	SA
RI0010043R-05	Quonochontaug Brook. Westerly	A
RI0010043E-04A	Ninigret Pond waters excluding the easternmost waters described in RI0010043E-04B. Charlestown	SA
RI0010043E-04B	Ninigret Pond waters, including Tockwotten Cove, east of a line from the DEM Range marker located on the shore directly eastward of pole number 16-1 at the end of Starrett Drive, to the DEM Range marker located at the end of Florence Avenue, and west of the breachway entrance to Green Hill Pond. Charlestown	SA
RI0010043L-16	Garden Pond. Charlestown	A
RI0010043L-17	West Pond. Charlestown	A
RI0010043L-09	Schoolhouse Pond. Charlestown	A
RI0010043L-08	Deep Pond. Charlestown	A
RI0010043L-11	King Tom Pond. Charlestown	A
RI0010043L-04	Cross Mills Pond. Charlestown	A
RI0010043R-01	Cross Mills Stream. Charlestown	A
RI0010043L-15	Perry Pond. Charlestown	A
RI0010043E-02	Green Hill Pond. South Kingstown	SA
RI0010043L-14	Bull Head Pond. South Kingstown	A
RI0010043L-03	Factory Pond. South Kingstown	A
RI0010043R-02	Factory Pond Stream. South Kingstown	A
RI0010043R-04	Teal Pond Stream. South Kingstown	A
RI0010043E-08	Trustom Pond. South Kingstown	SA
RI0010043L-13	Mill Pond. South Kingstown	A
RI0010043R-03	Mill Pond to Card Pond. South Kingstown	A
RI0010043E-01	Cards Pond. South Kingstown	SA
RI0010043E-05	Potter Pond. South Kingstown	SA

Coastal Waters RI0010 (continued)

Southwest Coastal Ponds Subbasin RI0010043 (continued)

RI0010043L-12	Fresh Pond. South Kingstown	A
RI0010043L-05	White Pond. South Kingstown	A
RI0010043L-07	Long Pond. South Kingstown	A
RI0010043L-01	Hothouse Pond. South Kingstown	A
RI0010043L-02	Cedar Swamp Pond. South Kingstown	A
RI0010043L-06	Wash Pond. South Kingstown	A
RI0010043E-06A	Point Judith Pond waters exclusive of those described below. Narragansett, South Kingstown	SA
RI0010043E-06B	Upper Point Judith Pond from the mouth of the Saugatucket River at Route 1, downstream to Can Buoy 33. Narragansett, South Kingstown	SB
RI0010043E-06C	Upper Point Judith Pond, south of Can Buoy 33 and north and east of a line from Buttonwood Point to the southern extremity of Cummock Island, to the flagpole at the northwest extremity of Betty Hull Point, excluding the marina area described in RI0010043E-06D below. Narragansett, South Kingstown	SA
RI0010043E-06D	Point Judith Pond waters in the vicinity of Billington Cove Marina as shown on the plan entitled "Billington Cove Marina: Marina Perimeter Plan", dated August 1994 by Coastal Engineering Group, Inc., east of a line from the western edge of the rip-rap retaining wall, 221 feet seaward, and west of a line from the flagpole, 280 feet seaward, and north of the line that connects these two lines. South Kingstown	SA{b}
RI0010043E-06E	Point Judith Pond waters in the vicinity of Galilee within 500 feet of the shore from the northern end at the breachway to the western side of the Great Island Road Bridge. Narragansett	SB
RI0010043E-06F	Point Judith Pond waters in the vicinity of Jerusalem within 500 feet of the shore from the breachway to a point approximately 1000 feet north of the State Pier. Narragansett	SB
RI0010043E-06G	Point Judith Pond waters in the vicinity of Snug harbor within 500 feet of shore from Gooseberry Road to High Point. South Kingstown	SB
RI0010043E-06H	Point Judith Pond waters in the channel to Potter Pond east of a line across the western end of the Potter Pond entrance channel located approximately 500 feet west of Succotash Road and west of a line from a point of land on the northern shore of the channel approximately 700 feet east of Succotash Road to a point of land on the southern shore of the channel, exclusive of the waters noted below. South Kingstown	SA

Coastal Waters RI0010 (continued)

Southwest Coastal Ponds Subbasin RI0010043 (continued)

RI0010043E-06I	Point Judith Pond waters in the channel to Potter Pond in the vicinity of the Captain Jacks and Kenport marinas as shown on the plans entitled "Captain Jacks Marina: Marina Site Plan for Jack Piemonte", approved by CRMC on November 15, 1994; and "Marina Perimeter limit for Kenport Marina" approved by CRMC on April 28, 1994. South Kingstown	SB
RI0010043E-06J	Point Judith Pond waters in the channel to Potter Pond east of a line from a point of land on the northern shore of the channel approximately 700 feet east of Succotash Road to a point of land on the southern shore of the channel; west of a line across the mouth of the channel from Gooseberry Road due south to Succotash Road, including the waters of Succotash Salt Marsh. South Kingstown	SA
RI0010043E-06K	Point Judith Pond waters in the vicinity of Champlin's Cove, north of a line from the westernmost extension of Delray Drive to the easternmost extension of Flint Stone Road, located on Harbor Island. Narragansett	SA
RI0010043R-06	Browns Brook. South Kingstown	A
RI0010043R-07	Smelt Brook. South Kingstown	A

Saugatucket River & Tributaries Subbasin RI0010045

RI0010045R-05A	Saugatucket River headwaters to the Rose Hill Landfill property. South Kingstown	B
RI0010045L-04	Indian Lake. South Kingstown	B
RI0010045R-01	Fresh Meadow Brook. South Kingstown	B
RI0010045R-03A	Mitchell Brook headwaters to the Rose Hill Landfill property. South Kingstown	B
RI0010045R-03B	Mitchell Brook from the Rose Hill Landfill to the confluence with the Saugatucket River. South Kingstown	B
RI0010045R-05B	Saugatucket River from the Rose Hill Landfill property to the dam at Main Street in Wakefield. South Kingstown	B
RI0010045L-01	Saugatucket Pond. South Kingstown	B
RI0010045R-02	Indian Run Brook. South Kingstown	B
RI0010045L-02	Asa Pond. South Kingstown	B
RI0010045L-03	Peace Dale Reservoir. South Kingstown	B
RI0010045R-04	Rocky Brook. South Kingstown	B
RI0010045R-05C	Saugatucket River from the Main Street Dam in Wakefield to the Route 1 overpass. South Kingstown	SB
RI0010045L-05	Silver Lake. South Kingstown	B

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE
Coastal Shoreline Subbasin		
RI0010042		
RI0010042E-01A	Coastal Waters in the vicinity of Tucker's Dock which are within a 500 foot radius of the South Kingstown/Narragansett Regional Wastewater Treatment Facility outfall. Narragansett	SB1
RI0010042E-01B	Coastal Waters in the vicinity of Tucker's Dock, exclusive of those waters described above, within 2500 feet of any point on the shoreline between Continental Road and Hazard Avenue. Narragansett	SB
RI0010042E-01C*	Coastal Waters in the vicinity of Tucker's Dock, exclusive of those described above, within 4000 feet of the marine WWTF discharge. Narragansett	SA
RI0010042E-02A	Coastal Waters in the vicinity of Scarborough within 500 feet of the Narragansett-Scarborough WWTF outfall located approximately 2000 feet from a point of land at the northern boundary of Fort Nathaniel Greene. Narragansett	SB1
RI0010042E-02B	Coastal Waters in the vicinity of Scarborough that are more than 500 feet but less than 1500 feet away from the WWTF outfall located approximately 2000 feet from a point of land at the northern boundary of Fort Nathaniel Greene. Narragansett	SB
RI0010042E-02C*	Coastal Waters in the vicinity of Scarborough, exclusive of those waters described above, which are within 5600 feet of the WWTF outfall. Narragansett	SA
RI0010042L-01	Lake Conochet/Little Neck Pond. Narragansett	A
RI0010042R-01	Deadman Brook. Narragansett	A
Tributaries to Pettaquamscutt River Subbasin		
RI0010044		
RI0010044L-02	Silver Spring Lake. North Kingstown	B
RI0010044R-02	Mattatuxet River. North Kingstown	B
RI0010044L-03	Carr Pond. North Kingstown	B
RI0010044R-01	Gilbert Stuart Stream. North Kingstown	A
RI0010044E-01A	Pettaquamscutt (Narrow) River exclusive of the waters noted below, from the headwaters at the end of Gilbert Stuart Stream to the mouth of the river including Pettaquamscutt Cove. North Kingstown, South Kingstown, Narragansett	SA
RI0010044E-01B	Pettaquamscutt (Narrow) River waters in the vicinity of the marina at Middle Bridge. Narragansett	SA{b}
RI0010044R-03	Crooked Brook. Narragansett	A
RI0010044R-11	Sprague Brook. Narragansett	A
RI0010044L-04	Sprague Pond. Narragansett	A
RI0010044R-10	Mumford Brook. South Kingstown, Narragansett	A

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Coastal Waters RI0010 (continued)

Coastal Aquidneck Subbasin
RI0010047

RI0010047L-02	Lily Pond. Newport	A
RI0010047L-01	Almy Pond. Newport	A

Sakonnet River Subbasin
RI0010031

RI0010031E-01C	Sakonnet River from the railroad bridge at the Hummock Point south to the Stone Bridge on Almy Neck in Portsmouth and its extension from the Tiverton shore. Portsmouth, Tiverton	SB
RI0010031E-03A	The Cove, Island Park north of a line from the southern end of Hummock Point to the RIDEM Range marker located at the eastern extremity of a point of land on the western shore of The Cove. Portsmouth	SA
RI0010031E-03B	The Cove, Island Park south of a line from the southern end of Hummock Point to the RIDEM Range marker located at the eastern extremity of a point of land on the western shore of The Cove. Portsmouth	SA
RI0010031E-01B	Sakonnet River waters from the Stone Bridge in Portsmouth/Tiverton south to a line at the mouth of the river extending from Sachuest Point in Middletown to Sakonnet Point in Little Compton, excluding the Portsmouth Park area described below in RI0010031E-01A, and the Sakonnet Point marina area described below in RI0010031E-01D. Portsmouth, Middletown, Tiverton, Little Compton	SA
RI0010031E-01A	Sakonnet River waters in the vicinity of Portsmouth Park north of a line extending from the southwestern most corner of the Stone Bridge in Tiverton to the easternmost extension of Morningside Lane in Portsmouth. Portsmouth, Tiverton	SA
RI0010031E-01D	Sakonnet River south of a line from the light at the end of the Sakonnet breakwater to the point of land at the end of Goodrich Lane, Little Compton, on the eastern shore of the harbor. Little Compton	SA{b}
RI0010031L-01	Creamer Pond. Tiverton	A
RI0010031R-05A	Sin & Flesh Brook from headwaters to Fish Street. Tiverton	B1
RI0010031R-05B	Sin & Flesh Brook from Fish Street to main Road (Route 77). Tiverton	B
RI0010031E-02A	Nannaquaket Pond east of a line extending from the northwestern most point of Nannaquaket Neck to the Rhode Island Department of Environmental Management Range Marker and west to the easternmost side of the Nannaquaket Bridge. Tiverton	SB
RI0010031E-02B	Nannaquaket Pond south and east of the Nannaquaket Bridge,. excluding the waters noted immediately below. Tiverton	SA

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Coastal Waters RI0010 (continued)

Sakonnet River Subbasin RI0010031 (continued)

RI0010031E-02C	Nannaquaket Pond waters of the area called "The Gut", located at the north end of Nannaquaket Pond, north of the northern side of Route 77 (Main Road). Tiverton	SA
RI0010031R-06	White Wine Brook. Tiverton	A
RI0010031R-01	Borden Brook. Tiverton	AA
RI0010031R-04	Quaker Creek. Tiverton	AA
RI0010031E-04	Sapowet Creek. Tiverton	SA
RI0010031R-03	Pachet Brook. Little Compton, Tiverton	AA
RI0010031R-02	Little Creek. Portsmouth, Middletown	B

Southeast Coastal Ponds Subbasin RI0010048

RI0010048L-02	Round Pond. Little Compton	A
RI0010048L-01	Long Pond. Little Compton	A
RI0010048R-02A	Dundery Brook headwaters to Meetinghouse Lane. Little Compton	B
RI0010048R-02B	Dundery Brook from Meetinghouse Lane to 1 mile downstream of Meetinghouse Lane. Little Compton	B1
RI0010048R-02C	Dundery Brook from 1 mile downstream of Meetinghouse Lane to Briggs Marsh Pond. Little Compton	B
RI0010048E-01	Briggs Marsh Pond. Little Compton	SA
RI0010048R-04	Sisson Brook. Little Compton	A
RI0010048L-04	Tunipus Pond. Little Compton	A
RI0010048R-01	Cold Brook. Little Compton	A
RI0010048L-03	Simmons Pond. Little Compton	A
RI0010048E-02	Quicksand Pond. Little Compton	SA
RI0010048R-03	Tributaries East of Cold Brook. Little Compton	A

Block Island Waters Subbasin RI0010046

RI0010046L-03	Sachem Pond. New Shoreham	A
RI0010046L-04	Middle Pond. New Shoreham	A

WATERBODY ID NUMBER	WATERBODY DESCRIPTION	CLASSIFICATION AND PARTIAL USE

Coastal Waters RI0010 (continued)

Block Island Waters Subbasin RI0010046 (continued)

RI0010046E-01A	Great Salt Pond north of a line from the northern most extremity of Cormorant Point to the northern most landward dock located at the Block Island Club. New Shoreham	SA
RI0010046E-01B	Great Salt Pond south of a line from the northern most extremity of Cormorant Point to the northern most landward dock located at the Block Island Club. New Shoreham	SA{b}
RI0010046E-02A	Block Island Waters in the vicinity of Pebbly Beach, within a 500 foot radius of the New Shoreham marine sewer outfall. Block Island	SB1
RI0010046E-02B	Block Island Waters in the vicinity of Pebbly Beach exclusive of the waters described above, which are within 1000 feet from shore from a point 1000 feet north of the New Shoreham marine sewer outfall to a point 1000 feet south of the marine sewer outfall. Block Island	SB
RI0010046E-02C	Block Island Waters in the vicinity of Old Harbor west of a line from the fixed red light at the end of the northern breakwater to the seaward end of the southern breakwater. Block Island	SB
RI0010046E-02D*	Block Island Waters along the eastern coast exclusive of the waters described above, which are within 5,900 feet of the New Shoreham marine sewer outfall. Block Island	SA
RI0010046L-02@	Fresh Pond. New Shoreham	AA
RI0010046L-01@	Sands Pond. New Shoreham	AA

Coastal Waters

RI0010042C-01	Coastal Waters off the southwestern shoreline from Watch Hill, Westerly to Point Judith, Narragansett; up the coast to a point just north of the mouth of Pettaquamscutt (Narrow) River; across to Beavertail, Jamestown; across to Brenton Point, Newport; along the Newport/ Middletown shoreline to Sachuest Point across to Sakonnet Point, Little Compton and along The southeastern shoreline to the RI/MA border. Also includes the coastal waters off the shoreline of Block Island.	SA
	All other seawaters of Narragansett Bay, Sakonnet River, Rhode Island Sound , Block Island Sound, Rhode Island portions of Mt. Hope Bay and coastal ponds not delineated above.	SA

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER RESOURCES

APPENDIX B

RIDEM AMBIENT WATER QUALITY

CRITERIA AND GUIDELINES FOR TOXIC POLLUTANTS

July 2006

WATER QUALITY REGULATIONS
APPENDIX B

I. General

Section 304(a)(1) of the Federal Clean Water Act (CWA) requires the USEPA to develop and publish water quality criteria. The USEPA has published criteria for a number of the pollutants listed pursuant to Section 307(a)(1) of the CWA, as well as for other toxic substances, based on available toxicological information on the pollutants. Section 303(c)(2)(B) of the CWA, as amended by the Water Quality Act of 1987, requires states to adopt numeric criteria to protect the uses of their waters from all toxic pollutants listed pursuant to Section 307(a)(1) for which criteria have been published pursuant to Section 304(a)(1), and which are present, or could reasonably be expected to be present, at levels that would impair the uses. This Appendix contains the ambient chemical-specific numeric criteria and guidelines for aquatic life and human health which satisfies the requirements of Section 303(c)(2)(B).

Table 1 contains the acute and chronic aquatic life criteria and minimum data base guidelines for freshwater and saltwater and two sets of human health criteria. In Table 1, the first column of human health criteria represents criteria applicable to waters where the designated route of exposure is due to consumption of drinking water and aquatic organisms. The second column under human health represents criteria applicable to waters where the designated route of exposure is due only to consumption of aquatic organisms.

For parameters which have both aquatic life and human health criteria or guidelines, the applicable criteria or guideline is determined by using the more stringent of the aquatic life or human health criteria or guidelines, according to the use of the waterbody.

Aquatic life criteria may be subject to site-specific modification procedures, as referenced in rules 8.D.(2) and 8.D.(3) of these Regulations, in accordance with RIDEM's most current "Site-Specific Aquatic Life Water Quality Criteria Development Policy"; EPA's "Interim Guidance on Determination and Use of Water Effect Ratios for Metals, EPA-823-B-94-001, February 1994, and subsequent site specific criteria modification guidance documents published in a memo from Jeanette Wiltse, Director of EPA's Health and Ecological Criteria Division on December 3, 1997; and EPA's Streamlined Water Effect Ration Procedure for Discharges of Copper, EPA-822-R-01-005, March 2001. Aquatic life guidelines may be modified by adding to the database following the procedures outlined on page B-4 of this Appendix. Human health criteria are subject to site-specific criteria development utilizing the methodology in the EPA guidance manual, "Assessing Human Health Risk from Chemically-Contaminated Fish and Shellfish" (EPA - 503/8-89-002), and the methodology published in the Federal Register on November 28, 1980 (45 FR 79347) entitled "Water Quality Criteria Documents; Availability, Appendix C - Guidelines and Methodology used in Preparation of Health Effect Assessment Chapters of the Consent Decree Water Criteria Documents", or the most recent EPA documentation.

In addition to these criteria and guidelines, Table 5 of this Appendix contains a complete list of "priority pollutants".

II. Aquatic Life Criteria

The aquatic life criteria in Table 1 represents the EPA water quality criteria for the protection of aquatic life, pursuant to Section 304(a) of the CWA, for acute and chronic exposure to toxics in freshwater and saltwater. These toxics are priority metals, organics, pesticides, PCBs and cyanide. To protect aquatic

life, the one hour average concentration of a pollutant should not exceed the acute criteria more than once every three years on the average. An exclusion to this rule are the pesticides and PCBs acute criteria which are considered instantaneous values (See footnote $ to Table 1). The four day average concentration of a pollutant should not exceed the chronic criteria more than once every three years on the average. These aquatic life criteria shall be achieved in all waters, except mixing zones, regardless of the waters' classification.

The acute and chronic aquatic life criteria for freshwaters shall not be exceeded at or above the lowest average 7 consecutive day low flow with an average recurrence frequency of once in 10 years (7Q10). For non-flowing freshwaters, the acute and chronic aquatic life criteria shall not be exceed under the most adverse conditions which will be determined on a case-by case basis.

The acute and chronic aquatic life criteria for seawater shall not be exceeded beyond the boundary of the mixing zone(s), as defined and determined by rules 8.D.(1).e. and 8.D.(1).f. of the Water Quality Regulations, and thence throughout the waterbody. If a mixing zone has not been established, these criteria shall not be exceeded in any portion of the receiving water.

For purposes of calculating freshwater aquatic life criteria for metals from the equations in Table 2, the ambient hardness values shall be used, and shall be consistent with the design flow conditions established in rules 8.D. and 8.E. of the Regulations. For waters in which the salinity is equal to or less than one part per thousand, the applicable criteria are the freshwater criteria. For waters in which the salinity is equal to or greater than ten parts per thousand, the applicable criteria are the saltwater criteria. For waters in which the salinity is between one and ten parts per thousand (brackish), the applicable criteria are the more stringent of the freshwater or saltwater criteria. However, for those waters between one and ten parts per thousand (brackish), the Department may deviate from the general rule if scientifically defensible information and data demonstrates that on a site-specific basis the biology of the waterbody is dominated by freshwater aquatic life and that freshwater criteria are more appropriate; or conversely, the biology of the waterbody is dominated by saltwater aquatic life and that saltwater criteria are more appropriate.

The acute and chronic freshwater criteria for 10 metals and the acute and chronic saltwater criteria for 11 metals listed in Table 1 are presented as dissolved metal criteria (see footnotes #5 and #6 on Table 1). For these metals, the dissolved metal, as opposed to the total recoverable metal, more closely approximates the bioavailable fraction of the metal in the water column. The conversion factors (CF) to calculate dissolved metal from total metal concentrations as listed in footnotes #5 and #6 are based on current EPA guidance (Office of Water Policy and Technical Guidance on Interpretation and Implementation of Aquatic Life Metals Criteria, October 1, 1993; "Derivation of Correction Factors for the Calculation of Dissolved Freshwater Aquatic Life Criteria for Metals", Stephan, USEPA, March 31, 1995; "Derivation of Conversion Factors for the Calculation of Dissolved Saltwater Aquatic Life Criteria for Metals", USEPA, March 31, 1995; Federal Register, Vol. 60, No. 68, Thursday May 4, 1995, p. 22228-22237) and are subject to change as more data becomes available. The formulas used for calculating dissolved metals criteria are presented in Table 2.

III. Site Specific Criteria

Section 131.11(b)(1)(ii) of the Federal water quality standards regulation provides States with the opportunity to adopt water quality criteria that are modified to reflect local environmental conditions. Following the procedures outlined in RIDEM's "Site Specific Aquatic Life Water Quality Criteria Development Policy", as amended, and EPA's "Interim Guidance on Determination and Use of Water-Effect Ratios for Metals", (February 1994, EPA-823-B-94-001), acute Water Effect Ratios (WERs) were

developed for 5 metals; cadmium, copper, lead, silver and zinc (Table 4). The WER procedure provides for the use of a WER that is intended to take into account relevant differences between the toxicities of the chemical in laboratory dilution water and in site water. These WERs are then used to derive acute site specific criteria from the State aquatic life criteria as indicated in Table 4. Chronic site specific criteria are then calculated using the derived acute site specific criteria, as indicated in Table 4. The "RI Site Specific Criteria Development Policy" and the WER procedures were applied using total recoverable metals and therefore, the calculated site specific criteria are in the form of total recoverable metals. The conversion factors for converting total recoverable metal criteria to dissolved metal criteria cannot be applied to these site specific criteria.

The criteria derived from these WERs (Table 4), and therefore not the criteria listed in Tables 1 and 2, apply to the segments of the Pawtuxet River classified as B1 (see Appendix A).

IV. Freshwater Minimum Data Base Guidelines

RIDEM has derived freshwater guidelines for many pollutants for which EPA water quality criteria are not available. In order for guidelines to be derived, the toxicity data base for the pollutants must meet minimum requirements. These guidelines are given in Table 1 and are marked with an asterisk (*).

The data base must contain at least two acute toxicity test results expressed as either an EC_{50} or an LC_{50} as specified in the EPA Water Quality Criteria Guidelines (45 FR 79343, 1980 and amendments). "LC_{50}" is defined as the concentration of a test material in a suitable diluent at which 50 percent of the exposed organisms die during a specified time period. "EC_{50}" is defined as the concentration of a test material in a suitable diluent at which 50 percent of the exposed organisms exhibit a specified response during a specified time period.
The two acute toxicity test results shall consist of:

1. One daphnid (D. magna or D. pulex)

2. One fish, either:

    (a) fathead minnow (Pimephales promelas)

    (b) bluegill (Lepomis macrochirus)

    (c) rainbow trout (Salmo gairdneri)

For every pollutant which meets these minimum data requirements, acute and chronic guidelines are derived using the following equations:

Lowest LC_{50} or EC_{50} x 0.05 = Acute Guideline

Acute Guideline ÷ 45 = Chronic Guideline

The uncertainty factor, 0.05, is intended to provide an adequate margin of safety to protect most aquatic organisms from acutely toxic effects. The uncertainty factor was selected by calculating uncertainty factor guidelines for those pollutants with EPA Water Quality Criteria. These guidelines were most similar to the EPA Water Quality Criteria when an uncertainty factor of 0.05 was used.

The acute guideline is divided by an acute to chronic ratio of 45 to yield the chronic guideline. This ratio

was derived by the State of Michigan using all available acute to chronic values for priority pollutant tests performed on freshwater species. It was determined that 80% of the pollutants would have a geometric mean acute to chronic ratio of 45 or less.

V. Human Health Criteria

The human health criteria in Table 1 represent the highest concentration of a pollutant in surface waters that is not expected to pose a significant risk to human health as determined by EPA. For almost all of the pollutants, bioaccumulation properties are used to assess the relative extent of human exposure to the pollutant either directly through ingestion or indirectly through consumption of aquatic organisms. These criteria represent the chronic criteria necessary to protect human health. As research continues on reference dose factors and cancer potency factors, new or updated human health criteria may be established by EPA and utilized by RIDEM. These new or updated human health criteria are maintained in EPA's electronic database known as Integrated Risk Information System (IRIS) and on the EPA Office of Water's water quality criteria website.

Ambient water quality criteria for human health are primarily based on two types of biological endpoints: (1) carcinogenicity and; (2) toxicity (i.e., all other adverse effects other than cancer). There are essentially two procedures for assessing health effects; one which addresses carcinogens and one which addresses non-carcinogens. The reason for having two methodologies is that, for the purpose of deriving ambient water quality criteria, carcinogenicity is regarded as a non-threshold phenomenon, whereas toxicity is regarded as having a threshold below which there will not be an effect. For those toxic substances which are identified as carcinogens, the criteria have been established at a risk level of 10^{-5} assuming a lifetime exposure to a 70 kg male consuming 17.5 grams per day of fish and shellfish product and ingesting 2.0 liters of water per day. For those toxic substances which are identified as non-carcinogens, the human health criteria are best estimates of concentrations which are not expected to produce adverse effects in human health assuming a lifetime exposure of a 70 kg male consuming 17.5 grams per day of fish and shellfish products and ingesting 2.0 liters of water per day.

Human health criteria represent ambient pollutant concentrations that are acceptable based on a lifetime (70 years) of exposure. Accordingly, the concentration of these pollutants should not exceed criteria under stream conditions that represent long-term average conditions. The stream design flow to be used to implement both carcinogen and noncarcinogen human health criteria is the harmonic mean flow which is a long term mean flow value calculated by dividing the number of daily flows analyzed by the sum of the reciprocals of those daily flows. For non-flowing freshwaters, the human health criteria shall not be exceed under the most adverse conditions which will be determined on a case-by case basis. For seawaters, the ambient human health water quality criteria for carcinogens and non-carcinogens are applicable when the most adverse hydrographic and pollution conditions occur at the particular point of evaluation.

VI. Priority Pollutants Without Criteria or Guidelines

Any pollutant listed on the most recent EPA priority pollutant list published in accordance with Section 307(a)(1) of the Clean Water Act (Table 5 of this Appendix) or additional criteria EPA has established for non-priority pollutants, for which there is no RIDEM ambient water quality criteria or guideline, shall be regulated in accordance with rules 8.D.(2) and 8.D.(3) of the Regulations.

Table 1. RIDEM Ambient Water Quality Criteria and Guidelines

CHEMICAL NAME	CAS Number	AQUATIC LIFE CRITERIA (µg/l) FRESHWATER ACUTE	FRESHWATER CHRONIC	SALTWATER ACUTE	SALTWATER CHRONIC	CARCINOGEN ?	HUMAN HEALTH CRITERIA (ug/l)[2] For Consumption of: Water and Aquatic Organisms	Aquatic Organisms Only
PRIORITY POLLUTANTS:								
TOXIC METALS & CYANIDE								
ANTIMONY	7440360	450*	10*	-	-	no	5.6	640
ARSENIC [5,6]	7440382	340	150	69	36	yes	0.18	1.4
ASBESTOS	1332214	-	-	-	-	yes	$7x10^6$ fibers/l	
BERYLLIUM	7440417	7.5*	0.17*	-	-	yes	-	-
CADMIUM [5,6]	7440439	@	@	40	8.8	no	-	-
CHROMIUM III [5]	16065831	@	@	-	-	no	-	-
CHROMIUM VI [5,6]	18540299	16	11	1100	50	no	-	-
COPPER [5,6]	7440508	@	@	4.8	3.1	no	1300	-
CYANIDE	57125	22	5.2	1.0	1.0	no	140	140
LEAD [5,6]	7439921	@	@	210	8.1	no	-	-
MERCURY [5,6]	7439976	1.4	0.77	1.8	0.94	no	0.14	0.15
NICKEL [5,6]	7440020	@	@	74	8.2	no	610	4600
SELENIUM [6]	7782492	20	5	290	71	no	170	4200
SILVER [5,6]	7440224	@	-	1.9	-	no	-	-
THALLIUM	7440280	46*	1.0*	-	-	no	0.24	0.47
ZINC [5,6]	7440666	@	@	90	81	no	7400	26000
VOLATILE ORGANIC COMPOUNDS								
ACROLEIN	107028	2.9*	0.06*	-	-	no	190	290
ACRYLONITRILE	107131	378*	8.4*	-	-	yes	0.51	2.5
BENZENE	71432	265*	5.9*	-	-	yes	22	510
BROMOFORM	75252	1465*	33*	-	-	yes	43	1400

Table 1. RIDEM Ambient Water Quality Criteria and Guidelines

CHEMICAL NAME	CAS Number	AQUATIC LIFE CRITERIA (µg/l) FRESHWATER ACUTE	FRESHWATER CHRONIC	SALTWATER ACUTE	SALTWATER CHRONIC	CARCINOGEN ?	HUMAN HEALTH CRITERIA (ug/l)[2] For Consumption of: Water and Aquatic Organisms	Aquatic Organisms Only
CARBON TETRACHLORIDE	56235	1365*	30*	-	-	yes	2.3	16
CHLOROBENZENE	108907	795*	18*	-	-	no	130	1600
CHLORODIBROMOMETHANE	124481						4.0	130
CHLOROFORM	67663	1445*	32*	-	-	yes	57	4700
DICHLOROBROMOMETHANE	75274	-	-	-	-	yes	5.5	170
1,2-DICHLOROETHANE	107062	5900*	131*	-	-	yes	3.8	370-
1,1-DICHLOROETHYLENE	75354	580*	13*	-	-	yes	330	7100
1,2-DICHLOROPROPANE	78875	2625*	58*	-	-	yes	5.0	150
1,3-DICHLOROPROPENE	542756	-	-	-	-	no	0.34	21
ETHYLBENZENE	100414	1600*	36*	-	-	no	530	2100
METHYL BROMIDE	74839	-	-	-	-	no	47	1500
METHYL CHLORIDE	74873	-	-	-	-	yes	-	-
METHYLENE CHLORIDE	75092	9650*	214*	-	-	yes	46	5900
1,1,2,2-TETRACHLOROETHANE	79345	466*	10*	-	-	yes	1.7	40
TETRACHLOROETHYLENE	127184	240*	5.3*	-	-	yes	6.9	33
TOLUENE	108883	635*	14*	-	-	no	1300	15 mg/l
1,2-TRANS-DICHLOROETHYLENE	156605	-	-	-	-	no	140	10 mg/l
1,1,1-TRICHLOROETHANE	71556	-	-	-	-	no	-	-
1,1,2-TRICHLOROETHANE	79005	900*	20*	-	-	yes	5.9	160
TRICHLOROETHYLENE	79016	1950*	43*	-	-	yes	25	300
VINYL CHLORIDE	75014	-	-	-	-	yes	0.025	2.4
ACID ORGANIC COMPOUNDS								
2-CHLOROPHENOL	95578	129*	2.9*	-	-	no	81	150

Table 1. RIDEM Ambient Water Quality Criteria and Guidelines

CHEMICAL NAME	CAS Number	AQUATIC LIFE CRITERIA (µg/l) FRESHWATER ACUTE	FRESHWATER CHRONIC	SALTWATER ACUTE	SALTWATER CHRONIC	CARCINOGEN ?	HUMAN HEALTH CRITERIA (ug/l)[2] For Consumption of: Water and Aquatic Organisms	Aquatic Organisms Only
2,4-DICHLOROPHENOL	120832	101*	2.2*	-	-	no	77	290
2,4-DIMETHYLPHENOL	105679	106*	2.4*	-	-	no	380	850
2-METHYL-4,6-DINITROPHENOL	534521						13	280
2,4-DINITROPHENOL	51285	31*	0.69*	-	-	no	69	5300
4-NITROPHENOL	88755	-	-	-	-		-	-
PENTACHLOROPHENOL	87865	@	@	13	7.9	yes	2.7	30
PHENOL	108952	251*	5.6*	-	-	no	21 mg/l	1700 mg/l
2,4,6-TRICHLOROPHENOL	88062	16*	0.36*	-	-	yes	14	24
BASE NEUTRAL COMPOUNDS								
ACENAPHTHENE	83329	85*	1.9*	-	-	no	670	990
ANTHRACENE	120127	-	-	-	-	no	8300	40 mg/l
BENZIDINE	92875	-	-	-	-	yes	0.86 ng/l	2.0 ng/l
POLYCYCLIC AROMATIC HYDROCARBONS[4]		-	-	-	-	yes	0.038	0.18
BIS(2-CHLOROETHYL)ETHER	111444	-	-	-	-	yes	0.30	5.3
BIS(2-CHLOROISOPROPYL)ETHER	108601	-	-	-	-	no	1400	65 mg/l
BIS(2-ETHYLHEXYL)PHTHALATE	117817	555*	12*	-	-	yes	12	22
BUTYL BENZYL PHTHALATE	85687	85*	1.9*			no	1500	1900
2-CHLORONAPHTHALENE	91587	-	-	-	-	no	1000	1600
1,2-DICHLOROBENZENE	95501	79*	1.8*	-	-	no	420	1300
1,3-DICHLOROBENZENE	541731	390*	8.7*	-	-	no	320	960
1,4-DICHLOROBENZENE	106467	56*	1.2*	-	-	no	63	190
3,3-DICHLOROBENZIDENE	91941	-	-	-	-	yes	0.21	0.28
DIETHYL PHTHALATE	84662	2605*	58*	-	-	no	17 mg/l	44 mg/l
DIMETHYL PHTHALATE	131113	1650*	37*	-	-	no	270 mg/l	1.1 g/l

Table 1. RIDEM Ambient Water Quality Criteria and Guidelines

CHEMICAL NAME	CAS Number	AQUATIC LIFE CRITERIA (µg/l) FRESHWATER ACUTE	FRESHWATER CHRONIC	SALTWATER ACUTE	SALTWATER CHRONIC	CARCINOGEN ?	HUMAN HEALTH CRITERIA (ug/l)[2] For Consumption of: Water and Aquatic Organisms	Aquatic Organisms Only
DI-n-BUTYL PHTHALATE	84742	-	-	-	-	no	2000	4500
2,4-DINITROTOLUENE	121142	1550*	34*	-	-	yes	1.1	34
1,2-DIPHENYLHYDRAZINE	122667	14*	0.31*	-	-	yes	0.36	2.0
FLUORANTHENE	206440	199*	4.4*	-	-	no	130	140
FLUORENE	86737	-	-	-	-	no	1100	5300
HEXACHLOROBENZENE	118741	-	-	-	-	yes	2.8 ng/l	2.9 ng/l
HEXACHLOROBUTADIENE	87683	-	-	-	-	yes	4.4	180
HEXACHLOROCYCLOPENTADIENE	77474	0.35*	0.008*	-	-	no	40	1100
HEXACHLOROETHANE	67721	49*	1.1*	-	-	yes	14	33
ISOPHORONE	78591	5850*	130*	-	-	yes	350	9600
NAPHTHALENE	91203	115*	2.6*	-	-		-	-
NITROBENZENE	98953	1350*	30*	-	-	no	17	690
N-NITROSODIMETHYLAMINE	62759	-	-	-	-	yes	6.9 ng/l	30
N-NITROSODI-N-PROPYLAMINE	621647	-	-	-	-	yes	0.05	5.1
N-NITROSODIPHENYLAMINE	86306	293*	6.5*	-	-	yes	33	60
PYRENE	129000	-	-	-	-	no	830	4000
1,2,4-TRICHLOROBENZENE	120821	75*	1.7*	-	-		35	70
PESTICIDES/PCBs								
ALDRIN	309002	3.0[$]	-	1.3[$]	-	yes	0.49 ng/l	0.5 ng/l
alpha BHC	319846	-	-	-	-	yes	26 ng/l	49 ng/l
beta BHC	319857	-	-	-	-	yes	91 ng/l	170 ng/l
gamma BHC (Lindane)	58899	0.95[$]		0.16[$]	-	yes	0.98	1.8
CHLORDANE	57749	2.4[$]	0.0043	0.09[$]	0.004	yes	8.0 ng/l	8.1 ng/l
4,4-DDT	50293	1.1[$]	0.001	0.13[$]	0.001	yes	2.2 ng/l	2.2 ng/l

Table 1. RIDEM Ambient Water Quality Criteria and Guidelines

CHEMICAL NAME	CAS Number	AQUATIC LIFE CRITERIA (µg/l) FRESHWATER ACUTE	FRESHWATER CHRONIC	SALTWATER ACUTE	SALTWATER CHRONIC	CARCINOGEN ?	HUMAN HEALTH CRITERIA (ug/l)[2] For Consumption of: Water and Aquatic Organisms	Aquatic Organisms Only
4,4-DDE	72559	-	-	-	-	yes	2.2 ng/l	2.2 ng/l
4,4-DDD	72548	-	-	-	-	yes	3.1 ng/l	3.1 ng/l
DIELDRIN	60571	0.24	0.056	0.71[$]	0.0019	yes	0.52 ng/l	0.54 ng/l
ENDOSULFAN alpha	959988	0.22[$]	0.056	0.034[$]	0.0087	no	62	89
ENDOSULFAN, beta	33213659	0.22[$]	0.056	0.034[$]	0.0087		62	89
ENDOSULFAN (sulfate)	1031078	-	-	-	-	no	62	89
ENDRIN	72208	0.086[$]	0.036	0.037[$]	0.0023	no	0.059	0.06
ENDRIN ALDEHYDE	7421934	-	-	-	-	no	0.29	0.30
HEPTACHLOR	76448	0.52[$]	0.0038	0.053[$]	0.0036	yes	0.79 ng/l	0.79 ng/l
HEPTACHLOR EPOXIDE	1024573	0.52[$]	0.0038	0.053[$]	0.0036	yes	0.39 ng/l	0.39 ng/l
POLYCHLORINATED BIPHENYLS (PCBs)[3]	1336363	-	0.014	-	0.03	yes	0.64 ng/l	0.64 ng/l
2,3,7,8-TCDD (DIOXIN)	1746016	-	-	-	-	yes	5×10^{-8}	5.1×10^{-8}
TOXAPHENE	8001352	0.73	0.0002	0.21	0.0002	yes	2.8 ng/l	2.8 ng/l
TRIBUTYLTIN	**	0.46	0.072	0.42	0.0074	no	-	-
NON PRIORITY POLLUTANTS:								
OTHER SUBSTANCES								
ALUMINUM	7429905	750[■]	87[■]	-	-		-	-
AMMONIA	7664417	#	#	#	#	no	-	-
4-BROMOPHENYL PHENYL ETHER		18*	0.4*	-	-		-	-
CHLORIDE	16887006	860,000	230,000					
CHLORINE	7782505	19	11	13	7.5			
4-CHLORO-2-METHYLPHENOL		15*	0.32*	-	-		-	-
1-CHLORONAPHTHALENE		80*	1.8*	-	-		-	-
4-CHLOROPHENOL	106489	192*	4.3*	-	-		-	-