

TABLE 3  
 1990 CONCORD RIVER SURVEY  
 WATER QUALITY DATA  
 (All results in mg/l unless noted)  
 7/11/90

	CO4.0	Hillierica WTFP	CO3.8	CO3.0	CO1.5**	CO0.9
BOD <sub>5</sub>	6.3	110	6.6	11	3.0/6.9**	5.4
Lab pH (S.U.)	7.5	7.5	7.3	7.2	7.3/7.2**	7.3
Total alkalinity	33	160	30	30	29/28**	29
Hardness	45	69	45	45	45/44**	45
Suspended Solids	6.0	21	7.0	15	9.0/8.5**	7.5
Total Solids	160	480	170	160	170/160**	160
Turbidity (NTU)	2.0	16	2.3	2.9	2.4/2.2**	1.9
Chloride	81	99	52	52	53/54**	55
Total Kjeldahl-N	0.83	27	1.1	1.8	1.1/1.0**	1.1
Ammonia-N	0.06	19	0.21	0.23	0.03/0.03**	0.13
Nitrate-N	0.16	0.22	0.20	0.19	0.23/0.22**	0.32
Total Phosphorus	0.16	14	0.31	0.34	0.21/0.20**	0.19
Fecal Coliform (org/100ml)	<10	13,000	140	<10	20/60**	<10
COD	--	91	--	--	--	--
Settleable Solids (ml/l)	--	0.0	--	--	--	--
Flow (cfs)	--	3.25*	--	--	--	177***

\* Estimated flow, meter down  
 \*\* Duplicate samples  
 \*\*\* USGS staff gage reading

TABLE 4

## 1990 CONCORD RIVER SURVEY

WATER QUALITY DATA  
(All results in mg/l unless noted)  
8/22/90

	CO4.0	Billerica <sup>*</sup>		CO3.0	CO2.3	CO1.5 <sup>**</sup>	CO0.9
		WTP	CO3.8				
BOD <sub>5</sub>	1.5	22	1.5	2.1	2.1	1.5/1.8 <sup>**</sup>	1.5
Lab pH (S.U.)	6.6	6.9	6.6	6.6	6.6	6.7/6.7 <sup>**</sup>	6.9
Total alkalinity	25	58	25	25	26	25/25 <sup>**</sup>	25
Hardness	35	44	34	33	34	33/32 <sup>**</sup>	33
Suspended Solids	6.5	5.0	7.0	14	6.5	6.5/9.5 <sup>**</sup>	5.5
Total Solids	160	400	160	160	160	150/170 <sup>**</sup>	170
Turbidity (NTU)	1.5	0.8	1.3	2.0	1.4	1.5/1.7 <sup>**</sup>	1.6
Chloride	43	86	45	45	45	45/46 <sup>**</sup>	45
Total Kjeldahl-N	1.1	5.6	0.89	0.78	0.92	0.9/0.88 <sup>**</sup>	1.5
Ammonia-N	0.13	2.6	0.09	0.09	0.06	0.28/0.11 <sup>**</sup>	0.15
Nitrate-N	0.86	12	0.23	0.29	0.30	0.34/0.40 <sup>**</sup>	0.70
Total Phosphorus	0.22	4.7	0.25	0.25	0.26	0.28/0.25 <sup>**</sup>	0.29
Fecal Coliform (org/100ml)	40	<20	20	20	100	120/120 <sup>**</sup>	120
Settleable Solids (ml/l)	--	0.0	--	--	--	--	--
Flow (cfs)	--	2.91	--	--	--	--	456 <sup>***</sup>

\* 24-hour composite

\*\* Duplicate sample

\*\*\* USGS staff gage reading