

APPENDIX C-1

**SUMMARY OF ASSABET RIVER WATER QUALITY
LABORATORY ANALYSIS MEASUREMENTS COLLECTED ON JULY 23, 1999**

Table C-1 Summer 1999:
 Summary of Assabet River Water Quality Laboratory Analysis Measurements Collected on July 23, 1999

Sample Location			Phosphorus		Nitrogen			Oxygen Demand		Solids		Bacteria
Station	Rivermile	Description	Total-P mg/L	Ortho-P mg/L	Nitrates mg/L	Ammonia mg/L	TKN mg/L	BOD-5 mg/L	BOD-30 mg/L	TSS mg/L	Set. Solids mg/L	Fecal Col. per 100ml
R28	30.7	Maynard St. Westboro	0.04	0.03	0.57	0.015 *	0.40	0.5 *	18.4	8	0.05 *	550
-	30.3	Above Westboro WWTP	0.48	0.44	6.3	0.12	0.63	4	13.2	2	0.05 *	600
R27	29.8	Rt. 9 Westboro	0.89	0.82	7.5	0.10	0.55	2.9	17.5	9	0.05 *	450
R26	28.9	Rt. 135 Westboro	0.73	0.69	6.8	0.11	0.99	3.9	16.9	3	0.05 *	650
R25	28.0	School St. Northboro	0.68	0.65	6.4	0.09	0.52	3.6	21.4	7	0.05 *	800
R24	25.9	River St. Northboro	0.64	0.60	6.4	0.04	0.50	2.3	19.7	5	0.05 *	950
R23	25.1	Allen St. Impoundment										
R22	25.0	Below Allen St. Impoundment	0.58	0.51	6	0.03	0.54	1.6	21.9	2	0.1	650
R21	23.9	Boundary St. Marlboro	0.44	0.41	5.7	0.015 *	0.33	2.2	17.5	0.5 *	0.05 *	350
R20	23.5	Robin Hill Rd. Marlboro**	0.39	0.285	5.35	0.06	0.63	4.1	17.65	8	0.1	275
R19	21.7	Bigelow Rd. Berlin	0.31	0.23	5	0.07	0.87	3.4	18.6	11	0.05 *	200
R18	19.2	Chapin Rd. Hudson	0.26	0.19	5.3	0.06	0.53	2.8	17.9	6	0.05 *	50
R17	17.9	Hudson Center Impoundment										
R16	17.6	South St., Hudson	0.28	0.13	3.8	0.13	1.2	2	21.4	3	0.05 *	150
R15	15.9	Cox St. Hudson	0.15	0.11	3	0.03	0.44	2.6	16.5	0.5 *	0.05 *	400
R13	14.1	Gleasondale Impoundment										
R12	13.9	Below Gleasondale Dam, Stow	0.32	0.23	3.9	0.06	0.72	1.9	17.4	4	0.05 *	400
R11	11.4	Boon Road, Stow	0.30	0.28	3	0.05	0.64	2.4	19	8	0.05 *	150
R10	9.2	White Pond Road, Maynard**	0.28	0.235	0.52	0.045	0.76	0.5 *	23.25	6.5	0.05 *	25 *
R9	8.7	Ben Smith Impoundment										
R8	8.6	Rt. 117/62 Maynard	0.3	0.26	0.34	0.15	1.4	4	23.2	12	0.05 *	50
R7	7.4	USGS Gauge, Maynard	0.19	0.18	0.21	0.03	0.65	2.4	17.3	13	0.05 *	650
R6	6.2	Powder Mill Impoundment										
R5	6.1	Below Powder Mill Dam	0.27	0.21	0.58	0.09	0.81	2.4	18	8	0.05 *	450
R4	4.4	Damonmill, Concord	0.19	0.17	0.5	0.015 *	0.87	2.4	16.4	9	0.05 *	50
R3	3.1	Rt. 62, Concord	0.17	0.15	0.61	0.03	0.98	2.3	17.8	7	0.05 *	150
R2	2.4	Rt. 2 Bridge, Concord	0.23	0.15	0.7	0.05	0.95	4.6	17	6	0.05 *	150

Notes:

- * Indicates non-detect. Value is one-half the detection limit.
- ** Indicates duplicate sample. Value is average of sample and duplicate.
- Bold horizontal line indicates approximate impoundment locations.