

Table 5.
BLUE MARSH LAKE - WATER CHEMISTRY
Station BM-7, Surface
COE

Parameter	Units	Date									
		5/25/1995	6/21/1995	7/20/1995	8/22/1995	10/3/1995	5/22/2001	6/12/2001	7/19/2001	8/8/2001	9/26/2001
Temp.	°C	20.83	25.8	27.54	27.21	19.31	-	-	-	-	-
pH	pH units	8.5	8.32	7.75	8.83	8.62	-	-	-	-	-
Conductance	µmhos/cm	1.78	1.59	1.53	1.61	1.86	-	-	-	-	-
Diss. O ₂	mg/l	10.35	14.11	9.75	11.59	10.47	-	-	-	-	-
Alkalinity	mg/l	-	-	-	-	-	175	98	98	93	106
Diss. Solids	mg/l	170	160	170	170	180	190	168	166	166	172
Susp. Solids	mg/l	<5	12	<5	11	6	8	12	15	20	<1
NH ₃ -N	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.376	0.23	0.2
NO ₃ -N	mg/l	4.2	3.7	2.9	2.5	1.9	5.9	5	1.18	3.7	1.7
NO ₂ -N	mg/l	0.06	0.06	0.05	0.03	0.04	0.038	0.052	0.032	<0.1	0.1
N-Kjeldahl	mg/l	0.6	0.7	0.4	0.6	0.7	1.2	0.8	0.473	0.32	<0.2
P	mg/l	-	-	-	-	-	-	0.12	0.05	<0.05	0.11
P-total	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05
SO ₄	mg/l	<1	<1	<1	<1	<1	-	-	-	-	-
Chlorophyll a	µg/l	-	-	-	-	-	1.876	7.557	14.134	21.219	16.288

Table 6.
BLUE MARSH LAKE - WATER CHEMISTRY
Station BM-7, Bottom
COE

Parameter	Units	Date									
		5/25/1995	6/21/1995	7/20/1995	8/22/1995	10/3/1995	5/22/2001	6/12/2001	7/19/2001	8/8/2001	9/26/2001
Temp.	°C	12.5	14.95	20	22.33	17.19	-	-	-	-	-
pH	pH units	8.8	8.55	7.21	7.38	7.97	-	-	-	-	-
Conductance	µmhos/cm	2.01	2.16	2.18	2.38	2.46	-	-	-	-	-
Diss. O ₂	mg/l	6.8	7.42	0.21	0.12	7.48	-	-	-	-	-
Alkalinity	mg/l	-	-	-	-	-	185	145	141	145	116
Diss. Solids	mg/l	210	220	230	230	220	196	184	202	252	170
Susp. Solids	mg/l	7	9	6	22	23	4	17	6	27	11
NH ₃ -N	mg/l	0.2	<0.1	0.8	2.1	0.2	0.2	0.5	1.16	1.07	0.3
NO ₃ -N	mg/l	3.9	2.5	3	1.6	2.9	6.4	5.3	0.298	2.7	1.7
NO ₂ -N	mg/l	0.09	0.1	0.04	0.01	0.05	0.044	0.094	0.046	<0.1	0.1
N-Kjeldahl	mg/l	1.1	1.5	0.9	2.1	0.8	0.2	1.2	1.73	1.15	<0.2
P	mg/l	-	-	-	-	-	-	0.15	9.42	0.15	<0.05
P-total	mg/l	<0.1	0.1	<0.1	<0.1	<0.1	<0.05	0.06	3.12	0.06	<0.05
SO ₄	mg/l	<1	<1	<1	<1	<1	-	-	-	-	-
Chlorophyll a	µg/l	-	-	-	-	-	1.821	5.918	3.206	3.403	13.591