Table 1.
BLUE MARSH LAKE - WATER CHEMISTRY
Station BM-2, Surface
COE

Parameter	Units	Date 3/14/1988	4/18/1988	5/11/1988	5/23/1988	6/14/1988	6/28/1988	7/11/1988	7/25/1988	8/8/1988	8/22/1988	9/19/1988
Temp.	°C	6	11.5	16	20	24	24	26	27	29.5	25.5	22
pH	pH units	8	8.7	8.7	8	8.6	8.2	8.5	8.1	8.3	8.3	8.3
Conductance	µmhos/cm	264	290	294	288	285	292	300	300	285	290	313
Diss. O_2	mg/l	15.8	14	11	11	14.8	9	8.5	8.6	9.3	8.1	11.2
Alkalinity	mg/l	-	-	-	-	-	-	-	-	-	-	-
Diss. Solids	mg/l	165	186	174	201	215	235	217	226	207	208	159
Susp. Solids	mg/l	-	-	-	-	-	-	-	-	-	-	-
NH_3-N	mg/l	<0.03	0.082	<0.03	0.046	<0.03	<0.03	<0.03	<0.03	0.233	0.045	0.041
NO_3-N	mg/l	-	-	-	-	-	-	-	-	-	-	-
NO_2-N	mg/l	-	-	-	-	-	-	-	-	-	-	-
N-Kjeldahl	mg/l	-	-	-	-	-	-	-	-	-	-	-
P	mg/l	-	-	-	-	-	-	-	-	-	-	-
P-total	mg/l	0.209	0.06	<0.03	0.2	0.05	0.04	<0.03	0.03	0.05	0.03	0.04
Diss. P	mg/l	0.15	<0.03	<0.03	0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
SO_4	mg/l	-	-	-	-	-	-	-	-	-	-	-
Chlorophyll a	µg/l	-	-	-	3.5	-	2.9	-	<0	-	1	5.1

Parameter	Units	Date 5/25/1995	6/21/1995	7/20/1995	8/22/1995	10/3/1995	5/22/2001	5/22/2001	6/12/2001	7/19/2001	8/8/2001	9/26/2001
Temp.	°C	20.6	26.25	28.03	27.24	19.61	-	-	-	-	-	-
pH	pH units	8.47	8.33	8.19	8.65	8.48	-	-	-	-	-	-
Conductance	µmhos/cm	1.77	1.55	1.57	1.67	1.89	-	-	-	-	-	-
Diss. O_2	mg/l	9.78	12.68	9	10.37	9.3	-	-	-	-	-	-
Alkalinity	mg/l	-	-	-	-	-	110	110	95	96	93	108
Diss. Solids	mg/l	160	150	180	150	190	224	224	162	140	198	158
Susp. Solids	mg/l	<5	12	<5	7	<5	<2	<2	13	9	14	<1
NH_3-N	mg/l	<0.1	<0.1	<0.1	<0.1	0.2	0.3	0.3	0.2	<0.1	0.11	0.1
NO_3-N	mg/l	4.1	3.8	2.9	2.7	1.9	5.7	5.7	1.3	1.6	3.6	1.4
NO_2-N	mg/l	0.08	0.06	0.05	0.03	0.04	0.023	0.023	0.051	0.043	<0.1	0.1
N-Kjeldahl	mg/l	0.4	0.8	2.2	0.6	0.6	1.3	1.3	0.6	0.692	0.56	<0.2
P	mg/l	-	-	-	-	-	-	-	0.21	0.06	<0.05	0.05
P-total	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	0.07	<0.05	<0.05	<0.05
Diss. P	mg/l	-	-	-	-	-	-	-	-	-	-	-
SO_4	mg/l	<1	<1	<1	<1	<1	-	-	-	-	-	-
Chlorophyll a	µg/l	-	-	-	-	-	1.173	1.173	8.232	8.315	13.111	23.359

Table 2.
BLUE MARSH LAKE - WATER CHEMISTRY
Station BM-2, Bottom
COE

Parameter	Units	Date 5/23/1988	6/28/1988	7/25/1988	8/22/1988	9/19/1988	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	13	20	19.5	25	19.5	13.9	14.5	18.29	21.95	19.14	-	-	-	-	-
pH	pH units	7.2	7.6	7.5	7.2	7.2	8.5	8.9	7.86	7.57	7.98	-	-	-	-	-
Conductance	µmhos/cm	215	305	370	340	325	1.97	2.09	2.17	2.13	1.89	-	-	-	-	-
Diss. O_2	mg/l	8.2	2.5	1.2	3.5	0.7	4.19	6.86	0.13	0.23	5.12	-	-	-	-	-
Alkalinity	mg/l	-	-	-	-	-	-	-	-	-	-	155	165	155	160	114
Diss. Solids	mg/l	204	227	262	233	230	180	200	230	230	210	220	208	180	244	188
Susp. Solids	mg/l	-	-	-	-	-	5	<5	15	5	6	12	9	18	15	1
NH_3-N	mg/l	0.173	0.03	0.96	1.71	0.133	0.5	0.9	0.7	1.8	0.3	0.6	1	1.23	3.09	0.1
NO_3-N	mg/l	3.38	3.78	2.81	1.83	3.48	4.2	2.5	2.7	1.2	1.9	4.3	3.3	0.115	<0.1	1.6
NO_2-N	mg/l	0.065	0.058	0.116	0.03	0.494	0.08	0.15	0.07	0.02	0.04	0.067	0.176	0.013	<0.1	<0.1
N-Kjeldahl	mg/l	-	-	-	-	-	0.9	1.3	1.3	2	0.5	0.9	1.1	1.37	3.29	<0.2
P	mg/l	-	-	-	-	-	-	-	-	-	-	-	0.06	0.16	1.25	0.08
P-total	mg/l	0.36	0.04	0.24	0.09	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	0.05	0.28	<0.05
Diss. P	mg/l	0.13	<0.03	<0.08	<0.04	<0.03	-	-	-	-	-	-	-	-	-	-
SO_4	mg/l	-	-	-	-	-	<1	<1	<1	<1	<1	-	-	-	-	-
Chlorophyll a	µg/l	8	8.7	18.9	<0	<0	-	-	-	-	-	4.41	0.889	2.616	5.052	10.726