

TABLE 1.
LAKE LUXEMBOURG - WATER CHEMISTRY
Dam Location
Princeton Hydro

Parameter	Units	Date								
		6/5/1991	6/20/1991	7/10/1991	7/25/1991	8/5/1991	8/23/1991	9/18/1991	10/31/1991	11/21/1991
P-total	mg/l	0.03	0.06	0.05	0.23	0.40	0.32	0.20	0.57	0.47
Ortho-P-total	mg/l	0.02	<.01	0.02	0.01	0.07	0.02	0.01	0.02	0.04
NH ₃ -N	mg/l	0.1	1.0	1.5	1.3	1.9	0.4	0.1	0.1	0.1
NO ₂ -N + NO ₃ -N	mg/l	1.35	0.80	0.13	0.07	0.12	0.27	0.32	0.62	0.78
N-Kjeldahl	mg/l	2.2	3.3	3.9	2.8	4.7	3.7	4.2	3.1	3.3
Alkalinity-total	mg/l	46	59	50	47	56	14	33	34	47
Susp. Solids, total	mg/l	21	18	29	36	19	75	24	0	10
Chlorophyll a	µg/l	56.8	-	77.9	45.0	42.3	72.5	81.4	46.2	43.5
Secchi Disk	m	0.35	0.45	0.25	0.50	0.40	0.20	0.25	0.15	0.20

Parameter	Units	Date						
		12/19/1991	1/31/1992	2/20/1992	3/5/1992	4/20/1992	5/4/1992	5/19/1992
P-total	mg/l	0.14	0.11	0.11	0.09	0.11	0.18	0.13
Ortho-P-total	mg/l	0.03	0.02	0.01	0.05	0.05	<.01	<0.01
NH ₃ -N	mg/l	0.2	0.2	0.1	0.2	0.14	<.1	0.6
NO ₂ -N + NO ₃ -N	mg/l	1.29	2.02	2.11	2.23	1.74	1.45	0.83
N-Kjeldahl	mg/l	1.2	1.3	1.1	1.1	1.2	1.1	1.0
Alkalinity-total	mg/l	43	71	40	44	48	48	70
Susp. Solids, total	mg/l	18	15	10	12	3	18	16
Chlorophyll a	µg/l	42.8	35.5	28.6	14.1	34.4	52.8	83.0
Secchi Disk	m	-	-	0.20	0.60	0.50	0.40	0.35