

BEAR LAKE QUARTERLY WATER QUALITY MONITORING
1975, 1980-82

TABLE I-II

SAMPLE DATE	3/18	4/21	7/30	11/14	8/7/80	11/3/80	2/11/81	4/13/81	7/27/81	10/29/81	3/11/82	3/4/82									
	1975	1975	1975	1975	1M 17M	1M 10M	1M 16M	1M 14M	1M 16M	1M 12M	1M 13M	1M 11M									
Depth																					
Parameter																					
pH	7.5	8.4	8.1	8.7	7.9	7.9	8.3	8.0	8.3	8.1	8.6	7.4	8.2	8.1							
Tot-P (mg/l)	.04	.05	.028	.05	.02	.15	.05	.05	.02	.08	.05	.04	.02	.16	.05	.05	.04	.10	.06	.04	
Sol-P (mg/l)	.025	.013	.010	.003	.004	.122	.008	.009	.004	.004	.004	.004	.112	.008	.011	.004	.095	.004	.004		
Tot. Org-N (mg/l)	.19	.49	.93	.51	0.8	0.8	.8	.8	.8	.7											
Kjel-N (mg/l)																					
NH ₃ -N (mg/l)	.51	.16	.05	.21	.02	1.4	.42	.42	.81	.88	.08	.19	.02	1.1	.41	.41	.30	.93	.02	.12	
NO ₂ -N+NO ₃ -N (mg/l)	.15	.51	.01	.02	.02	.02	.03	.03	.08	.12	.26	.27	.02	.02	.03	.04	.16	.06	.02	.37	
Tot. Alkalinity	201	64	162	176	168	194	191	191	207	215	192	192	176	202	190	190	206	212			
Chlorophyll <u>a</u> (mg/m ³)					7		17						7								22
Chlorophyll <u>a</u> Corrected (mg/m ³)																					16
Secchi Disk (m)			1.4	2.4	1.5		2.4			1.7		1.8			2.1						19
N/P Ratio	26	52	4.6	7.7		8.2	56	50		15		115		10	55	41					10
																					1.2