

Eagle Lake Limnological Data 2009

Date: 7/16/09

Weather: clear, slight breeze

Basin: North		Water Temp		Air Temp (F):NA		Secchi Disk: 7*		Time:10:45		
Depth (ft)	° C	° F	% DO	DO (mg/l)	Conductivity (µS)	Salinity (ppt)	pH	Comments		
Surface	21.7	71.1	82.2	7.18	1312	0.7	9.54			
5	21.2	70.2	88.5	7.87	1311	0.7	9.53			
10	na							*DEPTH = 7FT		
AVERAGES			70.6	85.4	7.5	1311.5	0.7	9.54		

Basin: Middle		Water Temp		Air Temp (F):NA		Secchi Disk:11*		Time:10:15		
Depth (ft)	° C	° F	% DO	DO (mg/l)	Conductivity (µS)	Salinity (ppt)	pH	Comments		
Surface	21.1	70.0	92.8	9.29	1187	0.6	9.54			
5	20.8	69.4	101.1	9.02	1187	0.6	9.55			
10	20.7	69.3	93.3	8.31	1183	0.6	9.53	*DEPTH= 11FT		
AVERAGES			69.6	95.7	8.9	1185.7	0.6	9.54		

Basin: South		Water Temp		Air Temp (F):70		Secchi Disk:28		Time:8:15		
Depth (ft)	° C	° F	% DO	DO (mg/l)	Conductivity (µS)	Salinity (ppt)	pH	Comments		
Surface	20.3	68.5	77.2	6.99	1099	0.5	9.39			
5	20.2	68.4	76.9	6.96	1099	0.5	9.39			
10	20.1	68.2	83	7.48	1102	0.5	9.39			
15	20	68.0	84.6	7.58	1100	0.5	9.39			
20	20	68.0	76.5	6.92	1102	0.5	9.38			
25	19.1	66.4	81.5	7.55	1101	0.6	9.38			
30	19.1	66.4	79.2	7.32	1106	0.6	9.38			
35	18.5	65.3	72.7	6.83	1103	0.5	9.36			
40	16	60.8	32.3	3.15	1101	0.6	9.29			
45	14.1	57.4	6.4	0.63	1104	0.6	9.25	WATER DEPTH= 52FT		
50	na							not able to take reading		
AVERAGES			65.7	67.0	6.1	1101.7	0.5	9.36		

$$^{\circ}\text{F} = (\text{C} \times 1.8) + 32$$