

Lake Altoona test results

Date: 09/27/2015 Time:10:00 am Weather: Sunny, winds E at 5-10 mph

Air temp: 68F Secchi Disk: 3.75 ft

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 10 ft	Inlet 2 ft
Dissolved Oxygen	7.77	6.80	3.83	7.19	7.22
Temp °C	19.6	19.2	18.5	19.6	18.7
pH	7.3	7.2	7.1	7.2	7.2
Acidity, total	0	0	0	0	0
Alkalinity, Active	0	0	0	0	0
Alkalinity, Total	20	23	23	20	25
Hardness mg/l	19	20	20	19	22
Sulfate	0	0	0	0	0
Phosphate, ortho	0.08	0.08	0.11	0.07	0.07
Phosphate, total	0.13	0.12	0.16	0.11	0.11
Nitrate	0.32	0.33	0.28	0.30	0.40
Nitrite	0	0	0	0	0
Ammonia nitrogen	0.05	0.04	0.11	0.04	0.02
Iron	0.50	0.63	0.73	0.56	0.40
Chloride mg/l	3.1	2.5	1.3	3.1	4.4
Conductivity umho/cm	90	91	94	89	102

Additional Dissolved Oxygen Readings
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	8.18	20.0
6 ft	7.62	19.5
9 ft	7.17	19.3
12 ft	6.19	18.9
15 ft	3.63	18.5
17.6 ft	2.48	18.1

Additional Dissolved Oxygen Readings
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	8.25	20.3
6 ft	8.15	20.3
9 ft	7.40	19.7
12 ft	6.34	19.0
15 ft	4.64	18.6
18 ft	3.57	18.3
21 ft	2.75	18.1