

Lake Altoona test results

Date: June 27, 2015 Time: noon Weather: mostly sunny, winds calm

Air temp: 76F Secchi Disk: 3.25 ft

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 10 ft	Inlet 2 ft
Dissolved Oxygen	7.63	7.05	5.04	5.57	7.04
Temp °C	23.9	23.5	22.0	22.6	21.5
pH	9.1	8.8	7.6	7.7	8.8
Acidity, total	0	0	0	0	0
Alkalinity, Active	2.5	0	0	0	2.5
Alkalinity, Total	30	32.5	32.5	32.5	30
Hardness mg/l	26	25	27	27	27
Sulfate	0	0	0	0	0
Phosphate, ortho	0.03	0.02	0.06	0.05	0.03
Phosphate, total	0.06	0.06	0.10	0.14	0.09
Nitrate	0.19	0.21	0.23	0.22	0.25
Nitrite	0	0	0	0	0
Ammonia nitrogen	0.18	0.17	0.21	0.19	0.06
Iron	0.46	0.44	0.70	0.64	0.51
Chloride mg/l	3.8	1.9	1.3	1.9	1.3
Conductivity umho/cm	104	104	109	109	107

Additional Dissolved Oxygen Readings
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	7.68	24.1
6 ft	7.62	23.8
9 ft	7.48	23.6
12 ft	5.90	22.6
15 ft	5.04	22.0
17.6 ft	4.11	21.6

Additional Dissolved Oxygen Readings
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	7.98	24.3
6 ft	6.61	23.2
9 ft	5.90	22.7
12 ft	5.22	22.3
15 ft	5.16	22.1
18 ft	4.50	21.9
21 ft	NT	NT