

Lake Altoona test results

Date: July 23, 2016

Time: 10:00 am

Weather: mostly sunny; wind ESE 5-10 mph

Air temp: 82 F 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	12.13	8.39	4.77	9.43	9.20
Temp °C	27.7	25.7	23.5	26.0	27.1
pH	9.4	8.0	7.6	8.5	8.7
Acidity, total	0	0	0	0	0
Alkalinity, Active	5	0	0	0	0
Alkalinity, Total	35	30	30	30	33
Hardness mg/l	25	30	28	26	28
Sulfate	2.7	6.1	1	5.7	4.5
Phosphate, ortho	0.03	0.04	0.12	0.04	0.03
Phosphate, total	0.05	0.07	0.21	0.06	0.09
Nitrate	0.14	0.21	0.17	0.16	0.22
Nitrite	0	0	0	0	0
Ammonia nitrogen	0.02	0.05	0.21	0.03	0.02
Iron	0.47	0.54	1.03	0.50	0.33
Chloride mg/l	2.5	3.1	3.1	3.7	4.4
Conductivity umho/cm	104	106	109	106	113

Additional Dissolved Oxygen Readings
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	12.69	28.0
6 ft	11.94	27.6
9 ft	8.57	25.9
12 ft	6.80	24.8
15 ft	4.77	23.5
17 ft	1.54	22.9

Additional Dissolved Oxygen Readings
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	13.12	28.5
6 ft	13.35	28.3
9 ft	9.80	26.3
12 ft	6.89	24.6
15 ft	3.50	23.5
18 ft	1.91	22.8
21 ft	0.82	22.4