

Lake Altoona test results

Date: May 7, 2016      Time: 11:30 am      Weather: Sunny; winds: NW 10-15 mph

Air temp: 66 F    Secchi Disk: 2.5 ft

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 10 ft	Inlet 2 ft
Dissolved Oxygen	10.83	10.84	10.79	10.43	8.56
Temp °C	16.2	16.2	16.1	15.8	16.8
pH	7.9	8.6	8.8	8.8	8.0
Acidity, total	0	0	0	0	0
Alkalinity, Active	0	0	0	0	0
Alkalinity, Total	25	25	25	25	25
Hardness mg/l	24	25	25	22	17
Sulfate	0	0	0	0	0
Phosphate, ortho	0.01	0.02	0.02	0.01	0.02
Phosphate, total	0.05	0.06	0.06	0.06	0.06
Nitrate	0.21	0.15	0.13	0.16	0.36
Nitrite	0	0	0	0	0
Ammonia nitrogen	0.03	0.02	0.04	0.03	0.02
Iron	0.41	0.28	0.28	0.27	0.34
Chloride mg/l	5.0	4.4	3.1	1.3	2.5
Conductivity umho/cm	92	92	92	93	92

Additional Dissolved Oxygen Readings  
at deep hole:

Depth	Dissolved Oxygen	Temp °C
3 ft	10.87	16.2
6 ft	10.82	16.1
9 ft	10.85	16.2
12 ft	10.82	16.1
15 ft	10.79	16.1
17.6 ft	8.97	14.8

Additional Dissolved Oxygen Readings  
at outlet:

Depth	Dissolved Oxygen	Temp °C
3 ft	10.95	16.1
6 ft	10.97	16.0
9 ft	10.57	15.9
12 ft	10.18	15.5
15 ft	9.95	15.5
18 ft	8.87	13.9
21 ft	7.02	14.1