

Lake Altoona test results

Date: June 24, 2016      Time: 10:00 am      Weather: partly sunny; winds: S 10-15 mph

Air temp: 78F    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	7.47	7.14	6.51	7.37	7.91
Temp °C	25.1	24.6	23.0	25.0	23.4
pH	7.3	7.3	7.3	7.5	7.5
Acidity, total	0	0	0	0	0
Alkalinity, Active	0	0	0	0	0
Alkalinity, Total	23	23	23	23	20
Hardness mg/l	20	20	20	20	17
Sulfate	0	0	0	0	0
Phosphate, ortho	0.07	0.09	0.08	0.07	0.06
Phosphate, total	0.11	0.12	0.12	0.10	0.13
Nitrate	0.53	0.55	0.53	0.51	0.33
Nitrite	0	0	0	0	0
Ammonia nitrogen	0.08	0.09	0.09	0.07	0.02
Iron	0.61	0.64	0.67	0.60	0.71
Chloride mg/l	1.9	0.6	3.1	3.1	1.3
Conductivity umho/cm	83	85	84	85	75

Additional Dissolved Oxygen Readings  
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	7.39	25.1
6 ft	7.50	25.1
9 ft	7.21	24.7
12 ft	7.06	24.3
15 ft	6.51	23.0

Additional Dissolved Oxygen Readings  
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	7.60	25.3
6 ft	7.54	25.2
9 ft	7.38	25.0
12 ft	7.36	25.0
15 ft	7.22	25.0
18 ft	6.33	24.0
21 ft	6.13	22.8