

Lake Altoona test results

Date: Sept 4, 2016

Time: 10:00 am

Weather: mostly cloudy; wind ESE 5-10 mph

Air temp: 75 F Secchi Disk: 2.75 ft

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 10 ft	Inlet 2 ft
Dissolved Oxygen	5.77	4.28	5.20	7.21	7.52
Temp °C	21.7	21.3	20.7	21.9	20.7
pH	7.3	7.2	7.2	7.4	7.3
Acidity, total	0	0	0	0	0
Alkalinity, Active	0	0	0	0	0
Alkalinity, Total	30	30	30	30	32.5
Hardness mg/l	23.5	24	25	24	26.5
Sulfate	0	0	0	0	0
Phosphate, ortho	0.11	0.14	0.13	0.10	0.08
Phosphate, total	0.16	0.21	0.19	0.16	0.14
Nitrate	0.39	0.39	0.44	0.41	0.57
Nitrite	0	0	0	0	0
Ammonia nitrogen	0.08	0.14	0.15	0.09	0.05
Iron	0.77	1.00	0.94	0.74	0.70
Chloride mg/l	2.50	2.50	2.50	1.87	3.75
Conductivity umho/cm	101	101	105	100	108

Additional Dissolved Oxygen Readings  
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	6.64	21.9
6 ft	5.38	21.6
9 ft	4.02	21.4
12 ft	4.83	21.1
15 ft	5.20	20.7
17 ft	5.61	20.7

Additional Dissolved Oxygen Readings  
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	7.44	22.2
6 ft	7.36	22.1
9 ft	7.23	21.9
12 ft	7.17	21.9
15 ft	7.01	21.9
18 ft	5.14	21.5
21 ft	5.70	21.3