

Lake Altoona test results

Date: July 24, 2015 Time: 3:00 pm Weather: Cloudy, winds SW 5-10 mph

Air temp: 84F Secchi Disk: 2.75 ft

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 10 ft	Inlet
Dissolved Oxygen	10.30	9.09	5.15	6.52	9.77
Temp °C	25.3	24.7	23.9	24.4	27.6
pH	7.3	7.2	7.2	7.3	7.3
Acidity, total	0	0	0	0	0
Alkalinity, Active	0	0	0	0	0
Alkalinity, Total	24	15	20	25	20
Hardness mg/l	19	19	21	18	19
Sulfate	0	0	0	0	0
Phosphate, ortho	0.06	0.07	0.09	0.07	0.07
Phosphate, total	0.12	0.13	0.16	0.14	0.14
Nitrate	0.53	0.44	0.43	0.41	0.44
Nitrite	0	0	0	0	0
Ammonia nitrogen	0.85	0.86	0.90	0.84	0.74
Iron	0.77	0.86	1.0	0.91	0.76
Chloride mg/l	2.5	0.63	0.63	1.3	0
Conductivity umho/cm	83	85	85	83	91

Additional Dissolved Oxygen Readings  
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	10.93	26.5
6 ft	10.15	25.2
9 ft	9.40	24.8
12 ft	7.86	24.2
15 ft	5.15	23.9
17.5 ft	4.60	23.4

Additional Dissolved Oxygen Readings  
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	9.97	26.3
6 ft	9.50	25.3
9 ft	7.01	24.5
12 ft	5.25	23.9
15 ft	4.85	23.8
18 ft	4.03	23.5
21 ft	1.34	23.5