

Lake Altoona test results

Date: 08/30/2014 Time: 12:00 noon

Weather: Cloudy Air temp: 21.4 C (70.5 F) Rained 1.7" in past 24 hours

Secchi Disk: 3.00 ft. Location: deep hole

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 10 ft	Outlet 20 ft	Inlet 2 ft
Dissolved Oxygen	9.83	8.84	21.8	7.14	6.36	8.94
Temp ©	23.4	23.2	21.5	22.7	21.6	21.6
pH	9.0	8.9	7.8	7.7	7.4	7.5
Acidity, total	0	0	0	0	0	
Alkalinity, Active	2.5	0	0	0	0	0
Alkalinity, Total	30	30	32.5	32.5	30	30
Hardness mg/l	26.1	25.5	25.5	26	26	23
Sulfate	0.37	0.33	0.42	0.36	0.41	0.34
Phosphate, ortho	.04	.03	.06	.05	.06	.05
Phosphate, total	0.11	0.08	0.14	0.10	0.11	0.14
Nitrate	0.48	0.56	0.57	0.48	0.51	0.60
Nitrite	0	-	0	0	0	0
Ammonia nitrogen	0.43	0.35	0.47	0.41	0.49	0.46
Iron	0.30	0.27	0.54	0.44	0.54	0.60
Chloride mg/l	1.75	1.75	1.75	1.75	1.12	1.75
Conductivity umho/cm	108	107	113	110	111	105

Additional Dissolved Oxygen Readings
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	10.22	23.5
6 ft	9.72	23.4
9 ft	8.98	23.2
12 ft	8.75	23.1
15 ft	6.71	21.8
17.6 ft	6.68	21.5

Additional Dissolved Oxygen Readings
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	9.58	23.5
6 ft	7.96	23.1
9 ft	7.28	22.8
12 ft	7.01	22.2
15 ft	6.47	21.7
18 ft	6.37	21.6
21 ft	6.32	21.6