

Lake Altoona test results

Date: Saturday, May 10, 2014

Time: 2 pm

Weather: Sunny, wind SE 0-5 mph

Air temp: Not recorded

Secchi Disk: 3.0 ft

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 5 ft	Outlet 10 ft	Outlet 20 ft	McFaul Bay 3 ft	Inlet 2 ft
Dissolved Oxygen	10.5	9.9	9.4	10.3	10.0	9.5	10.8	10.4
Temp ©	14.0	12.1	11.9	12.8	12.5	12.1	13.5	14.4
Carbon Dioxide								
pH	7.0	7.0	7.0	7.1	6.9	6.9	7.1	7.1
Acidity, total								
Alkalinity, Active	0	0	0	0	0	0	0	0
Alkalinity, Total	20.5	20.0	20.5	25.0	30.0	20.5	25.0	20.0
Hardness mg/l	24.0	24.0	24.0	22.3	22.3	22.3	24.0	22.1
Sulfate	0.31	0.38	0.38	0.37	0.36	0.31	0.33	0.30
Phosphate, ortho	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Phosphate, total	0.08	0.06	0.08	0.08	0.08	0.08	0.06	0.06
Nitrate	0.68	0.72	0.73	0.70	0.70	0.71	0.66	0.61
Nitrite	0	0	0	0	0	0	0	0
Calcium carbonate								
Calcium								
Iron	0.40	0.38	0.51	0.31	0.31	0.34	0.43	0.40
Chloride mg/l	1.12	----	2.37	2.37	2.37	1.12	0	0
Conductivity umho/cm	94	93	94	90	91	91	91	86

Additional Dissolved Oxygen Readings  
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	10.7	14.0
6 ft	10.5	12.4
9 ft	9.9	12.1
12 ft	9.5	12.0
15 ft	9.4	11.9

Additional Dissolved Oxygen Readings  
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	10.1	13.5
6 ft	10.3	12.8
9 ft	10.1	12.6
12 ft	9.9	12.4
15 ft	9.8	12.5
18 ft	9.7	12.2
21 ft	9.5	12.1