

Lake Altoona test results

Date: 06/27/2014 Time: 4:45 pm

Weather: Cloudy Air temp: 25.0 C

Secchi Disk: 2.75 ft. Location: deep hole

Sample	deep hole 5 ft	deep hole 10 ft	deep hole 15 ft	Outlet 10 ft	McFaul Bay 3 ft	Inlet 2 ft
Dissolved Oxygen	6.05	5.11	2.70	7.39	7.23	7.68
Temp ©	23.1	22.7	21.5	23.9	23.7	22.9
Carbon Dioxide	0	0	0	0	0	0
pH	7.1	7.0	6.8	7.2	7.1	7.2
Acidity, total	0	0	0	0	0	0
Alkalinity, Active	0	0	0	0	0	0
Alkalinity, Total	25.0	27.5	25.0	25.0	27.5	25.0
Hardness mg/l	26.0	26.0	26.0	26.0	22.0	30.0
Sulfate	0.37	0.41	0.45	0.35	0.30	0.36
Phosphate, ortho	0.08	0.12	0.14	0.07	0.11	0.08
Phosphate, total	0.17	0.19	0.21	0.16	0.19	0.16
Nitrate	0.77	0.82	0.73	0.73	0.73	0.81
Nitrite	0	0	0	0	0	0
Ammonia nitrogen	1.0	1.1	1.2	1.0	1.0	1.0
Calcium						
Iron	0.67	0.88	1.13	0.66	1.01	0.69
Chloride mg/l	0.62	0.62	1.25	3.12	1.87	1.87
Conductivity umho/cm	90	90	91	89	97	99

Additional Dissolved Oxygen Readings
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	6.58	23.3
6 ft	5.78	23.0
9 ft	5.50	22.8
12 ft	4.32	22.4
15 ft	2.70	21.5
17.6 ft	2.56	21.4

Additional Dissolved Oxygen Readings
at outlet:

Depth	Dissolved Oxygen	Temp ©
5 ft	7.41	23.9
10 ft	7.39	23.9
15 ft	3.90	22.3
20 ft	1.60	21.3