

Lake Altoona test results

Date: 09/26/2014 Time: 10:30 am

Weather: Sunny Air temp: 18.5 C (65.3 F) Winds: Calm

Secchi Disk: 4.25 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	9.13	8.83	8.32	8.80	7.22	8.80
Temp ©	17.1	16.9	16.6	17.0	15.9	17.2
pH	7.3	7.2	7.2			
Acidity, total	0	0	0			
Alkalinity, Active	0	0	0			
Alkalinity, Total	27.5	27.5	30			
Hardness mg/l	21	21	21.5			
Sulfate	0.26	0.25	.023			
Phosphate, ortho	0.08	0.07	0.08			
Phosphate, total	0.16	0.13	0.14			
Nitrate	0.72	0.71	0.71			
Nitrite	0	0	0			
Ammonia nitrogen	0.91	0.87	0.88			
Iron	0.74	0.70	0.84			
Chloride mg/l	0.62	1.25	1.25			
Conductivity umho/cm	94	95	98			

Additional Dissolved Oxygen Readings
at deep hole:

Depth	Dissolved Oxygen	Temp ©
3 ft	9.30	17.0
6 ft	8.86	16.8
9 ft	8.52	16.5
12 ft	7.23	16.0
15 ft	7.42	15.8
17.6 ft	7.46	15.6

Additional Dissolved Oxygen Readings
at outlet:

Depth	Dissolved Oxygen	Temp ©
3 ft	9.22	17.2
6 ft	9.08	17.1
9 ft	8.87	17.0
12 ft	8.74	16.0
15 ft	8.32	16.6
18 ft	7.32	16.1
21 ft	7.20	15.9

Zebras Mussels: None found at testing stations.