

Lake Altoona test results

Date: 08/29/2015 Time:10:30 am Weather: Cloudy, winds clam

Air temp: 63F Secchi Disk: 3.25 ft

| Sample | deep hole 5 ft | deep hole 10 ft | deep hole 15 ft | Outlet 10 ft | Inlet 2 ft |
|----------------------|-------------------|--------------------|--------------------|-----------------|---------------|
| Dissolved Oxygen | 9.48 | 8.07 | 5.13 | 8.94 | 7.47 |
| Temp °C | 19.2 | 18.7 | 17.8 | 19.3 | 17.6 |
| pH | 8.3 | 8.0 | 7.5 | 8.1 | 7.4 |
| Acidity, total | 0 | 0 | 0 | 0 | 0 |
| Alkalinity, Active | 0 | 0 | 0 | 0 | 0 |
| Alkalinity, Total | 30 | 30 | 31 | 30 | 30 |
| Hardness mg/l | 26 | 27 | 27 | 27 | 29 |
| Sulfate | 0 | 0 | 0 | 0 | 0 |
| Phosphate, ortho | 0.03 | 0.04 | 0.05 | 0.04 | 0.07 |
| Phosphate, total | 0.06 | 0.08 | 0.10 | 0.07 | 0.11 |
| Nitrate | 0.29 | 0.32 | 0.30 | 0.26 | 0.6 |
| Nitrite | 0 | 0 | 0 | 0 | 0 |
| Ammonia nitrogen | 0.05 | 0.04 | 0.12 | 0.03 | 0.06 |
| Iron | 0.51 | 0.43 | 0.49 | 0.43 | 0.51 |
| Chloride mg/l | 6.3 | 5.0 | 5.0 | 3.8 | 5.0 |
| Conductivity umho/cm | 110 | 111 | 114 | 111 | 117 |

Additional Dissolved Oxygen Readings
at deep hole:

| Depth | Dissolved Oxygen | Temp © |
|---------|------------------|--------|
| 3 ft | 10.20 | 19.3 |
| 6 ft | 9.35 | 19.1 |
| 9 ft | 8.51 | 19.0 |
| 12 ft | 6.91 | 18.3 |
| 15 ft | 5.13 | 17.8 |
| 17.6 ft | 3.79 | 17.6 |
| | | |

Additional Dissolved Oxygen Readings
at outlet:

| Depth | Dissolved Oxygen | Temp © |
|-------|------------------|--------|
| 3 ft | 9.09 | 19.4 |
| 6 ft | 9.24 | 19.5 |
| 9 ft | 9.00 | 19.3 |
| 12 ft | 8.88 | 19.3 |
| 15 ft | 6.35 | 17.9 |
| 18 ft | 5.13 | 17.8 |
| 21 ft | 4.80 | 17.8 |