

Wolverine Lake 2014 Data Summary

Wolverine Lake Snapshot

Years Monitored: 13
 Total # of Events: 36
 2014 Events: 3
 Total Hours Monitored: 117.5

Observations

Wildlife Observed:

| | |
|---------|--------|
| Bats | Beaver |
| Eagle | Fish |
| Frogs | Grebes |
| Insects | Loons |
| Muskrat | Ravens |
| Swans | Trout |

Water Level:

Medium to high

Water Color:

Brownish

Algae:

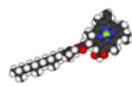
Sparse to heavy; small and some well developed algae blooms in August; along shallow lake areas.

Aquatic Plants:

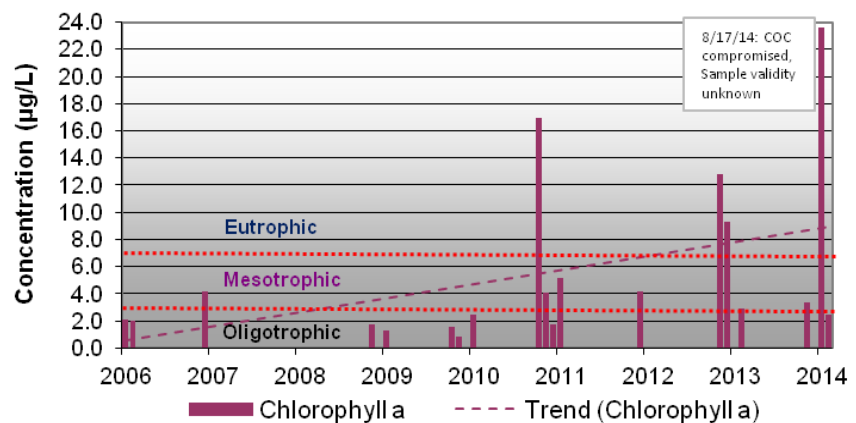
Sparse to moderate; floating lily pads; scattered clusters and along south and east shallows.

Additional Comments:

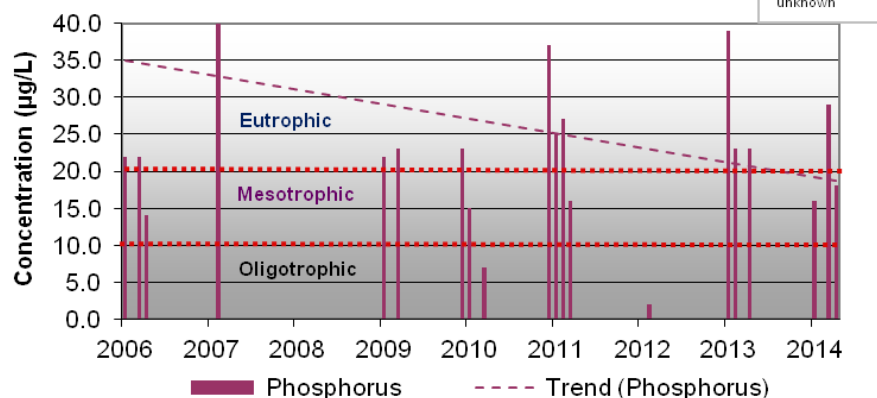
Water level depending on dam. Humans releasing large volumes of water in June. One resident dismantled structure and two rebuilt in August. State Troopers called.



Wolverine Lake • Chlorophyll a 2006-2014



Wolverine Lake • Phosphorus 2006-2014

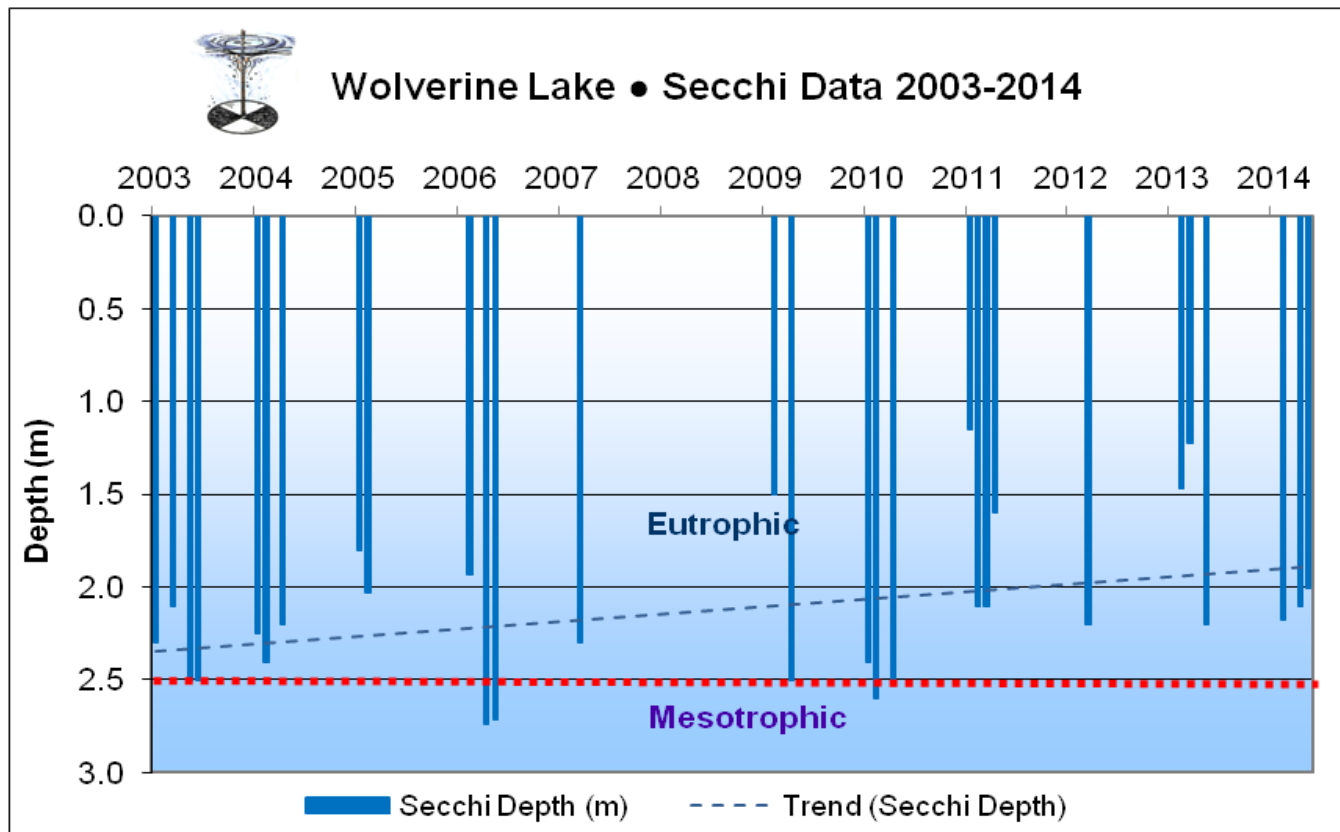


Wolverine Lake Profile Measurements

| Wolverine | | Depth (m) | Temperature (oC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | pH (SU) | Secchi Depth mean (m) | |
|----------------------|-----------|-----------|------------------|----------------------|-------------------------|---------|-----------------------|-------|
| Date | 9/28/2014 | 0.0 | 7.30 | 0.163 | 10.94 | 7.82 | 2.00 | |
| Site Depth (m) | 2.00 | 1.0 | 7.34 | 0.164 | 10.92 | 7.86 | | |
| Phosphorus (µg/L) | 18.0 | 2.0 | 7.34 | 0.163 | 8.76 | 7.75 | | |
| Chlorophyll a (µg/L) | 2.5 | | | | | | | |
| Date | 8/17/2014 | 0.0 | 15.61 | 0.148 | 8.20 | 7.66 | 2.10 | |
| Site Depth (m) | 2.10 | 1.0 | 15.59 | 0.149 | 8.25 | 7.66 | | |
| Phosphorus (µg/L) | 29.0 | 2.0 | 15.56 | 0.150 | 7.00 | 7.61 | | |
| Chlorophyll a (µg/L) | 23.6 | | | | | | | |
| Date | 6/26/2014 | 0.0 | 15.48 | 0.128 | 10.08 | 7.89 | 2.18 | |
| Site Depth (m) | 3.00 | 1.0 | 15.10 | 0.127 | 10.26 | 8.11 | | |
| Phosphorus (µg/L) | 16.0 | 2.0 | 12.56 | 0.130 | 9.75 | 7.78 | | |
| Chlorophyll a (µg/L) | 3.4 | | | | | | | |
| ChIA | TP | Depth | T° | Cond | DO | pH | Secchi | Max |
| 23.6 | 29.0 | 3.00 | 15.61 | 0.164 | 10.94 | 8.11 | 2.18 | Max |
| 2.5 | 16.0 | | 7.30 | 0.127 | 7.00 | 7.61 | 2.00 | Min |
| 3.4 | 18.0 | | 15.10 | 0.149 | 9.75 | 7.78 | 2.10 | Med |
| 9.8 | 21.0 | | 12.43 | 0.147 | 9.35 | 7.79 | 2.09 | Ave |
| 11.9 | 7.0 | | 3.94 | 0.015 | 1.37 | 0.15 | 0.09 | StDev |

Highlighted data does not meet Alaska Water Quality Standards (WQS)

The Alaska Water Quality Standards do not apply absolutely to lakes without taking multiple factors into account. For more information on WQS, please see <http://www.dec.state.ak.us/water/wqsar/wqs/>.



Matanuska-Susitna Borough Volunteer Lake Monitoring Program

