

Tyone Lake 2014 Data Summary

Tyone Lake Snapshot

Years Monitored: 12
 Total # of Events: 16
 2014 Events: 1
 Total Hours Monitored: 17.5



Observations

Wildlife Observed:

Ducks
 Grebes
 Kingfisher

Water Level:

High

Water Color:

Yellow/light tan

Algae:

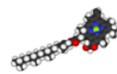
None

Aquatic Plants:

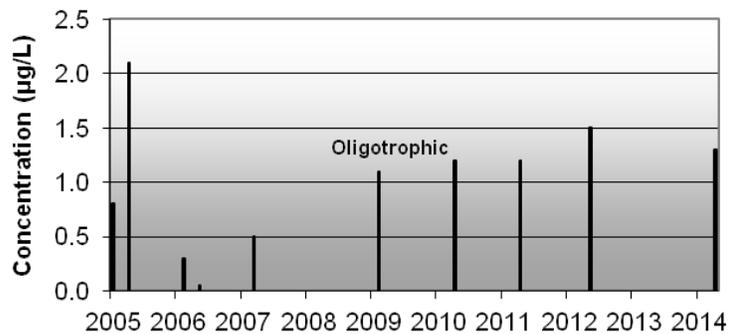
Heavy; submerged plants and lily pads; distributed throughout the whole lake.

Additional Comments:

Water level is 12 inches higher than the previous year. Three different species of aquatic plants were taken in Ziploc bags back to lab.



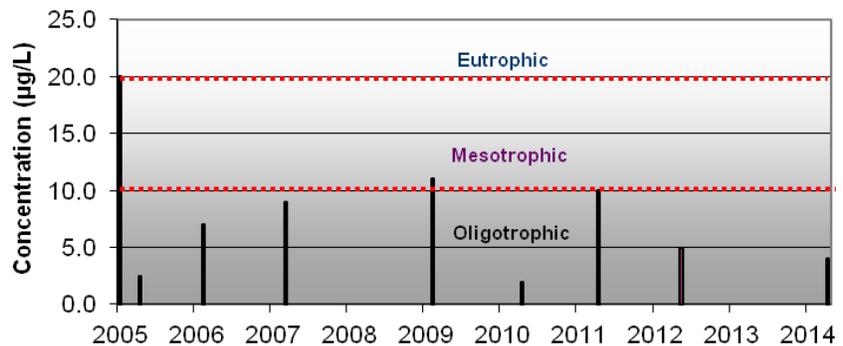
Tyone Lake • Chlorophyll a 2005-2014



*Tyone Lake was not monitored in 2008 and 2013



Tyone Lake • Phosphorus 2005-2014



Tyone Lake Profile Measurements

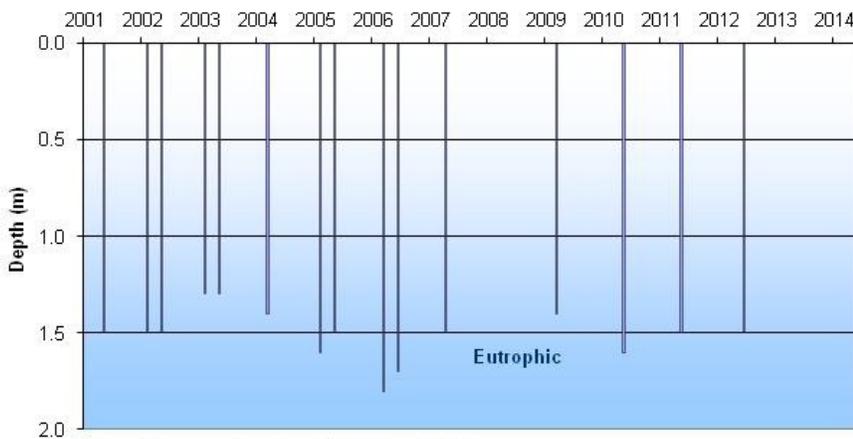
Tyone		Depth (m)	Temperature (oC)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH standard units	Secchi Depth mean (m)	
Date	9/9/2014	0.0	10.28	0.000	10.51	7.89	1.75	
Site Depth (m)	1.75	1.0	10.23	0.332	10.43	8.03		
Phosphorus (µg/L)	4.0	1.5	10.22	0.332	10.32	8.18		
Chlorophyll a (µg/L)	1.3							
ChIA	TP	Depth	T°	Cond	DO	pH	Secchi	
1.3	4.0	1.75	10.28	0.332	10.51	8.18	1.75	Max
1.3	4.0		10.22	0.000	10.32	7.89	1.75	Min
1.3	4.0		10.23	0.332	10.43	8.03	1.75	Med
1.3	4.0		10.24	0.221	10.42	8.03	1.75	Ave
NA	NA		0.03	0.192	0.10	0.15	NA	StDev

Bold & Italics: Values based on only one monitoring event

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



Tyone Lake • Secchi Data 2001-2014



*Tyone Lake was not monitored in 2008 and 2013

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/>.



Grebes



Belted kingfisher

Temperature and Dissolved Oxygen Profile Tyone Lake -- September 2014

