

# Morvro Lake 2014 Data Summary

## Morvro Lake Snapshot

Years Monitored: 8  
 Total # of Events: 22  
 2014 Events: 4  
 Total Hours Monitored: 23.8



## Observations

### Wildlife Observed:

Ducks  
 Grebes  
 Loons

### Water Level:

High

### Water Color:

Light green

### Algae:

None, then moderate to heavy

### Aquatic Plants:

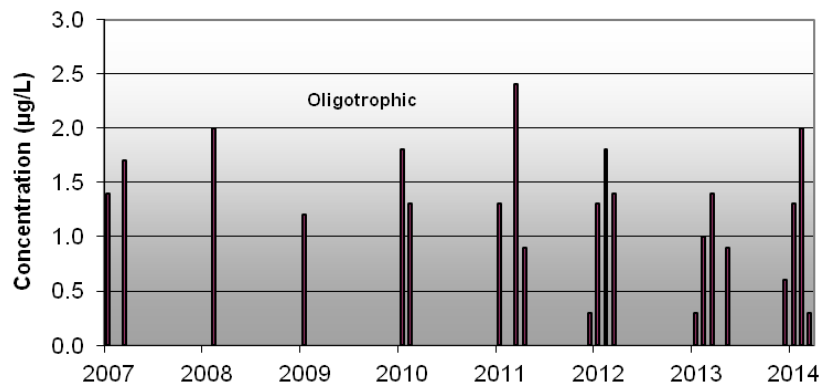
Sparse to moderate; water lilies and bulrush, along shoreline.

### Additional Comments:

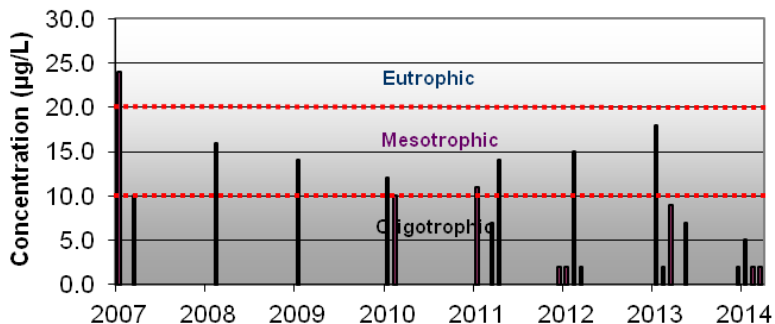
The bottom of the lake was already covered with green algae in early June.



Morvro Lake • Chlorophyll a 2007-2014



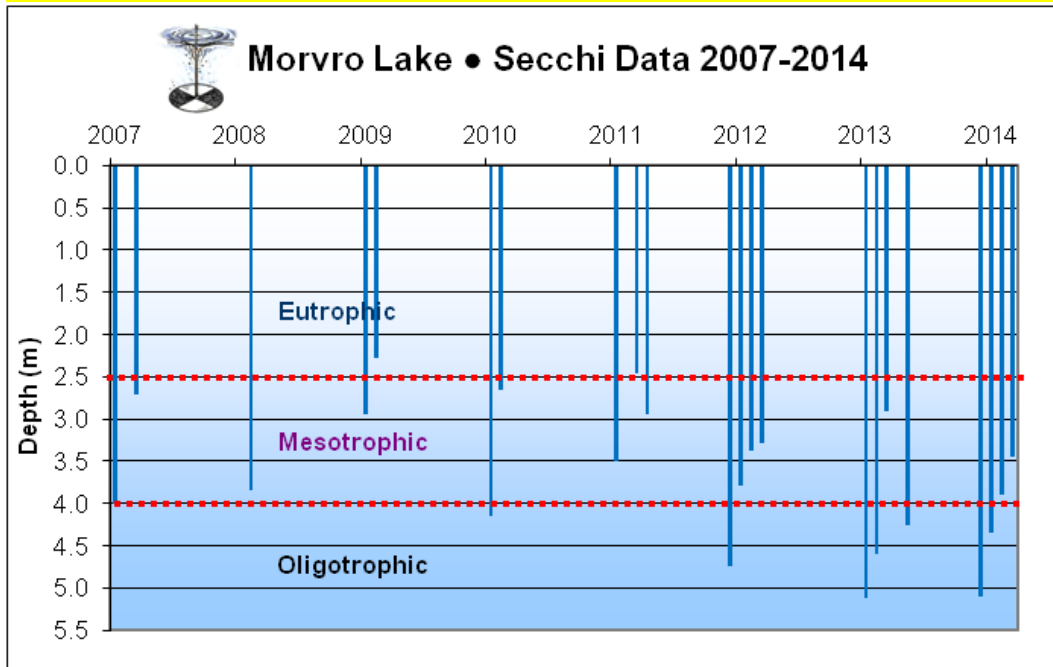
Morvro Lake • Phosphorus 2007-2014



# Morvro Lake Profile Measurements

Morvro		Depth (m)	Temperature (oC)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (SU)	Secchi Depth mean (m)	
Date	8/20/2014	0.0	18.00	0.008	9.20	8.66	3.44	
		1.0	17.97	0.009	9.04	8.30		
Site Depth (m)	4.80	2.0	17.86	0.009	8.70	8.03		
Phosphorus (µg/L)	2.0	3.0	17.72	0.009	8.80	7.86		
Chlorophyll a (µg/L)	0.3	4.0	17.46	0.009	8.62	7.83		
Date	7/23/2014	0.0	20.79	0.009	8.86	8.28	3.90	
		1.0	20.69	0.009	9.03	7.90		
Site Depth (m)	4.80	2.0	20.52	0.008	8.83	7.79		
Phosphorus (µg/L)	2.0	3.0	20.45	0.009	8.72	7.64		
Chlorophyll a (µg/L)	2.0	4.0	20.37	0.008	8.68	7.53		
Date	6/28/2014	0.0	18.16	0.009	9.26	8.02	4.35	
		1.0	17.67	0.009	9.30	7.81		
Site Depth (m)	4.90	2.0	17.04	0.008	9.44	7.72		
Phosphorus (µg/L)	5.0	3.0	16.68	0.008	9.42	7.68		
Chlorophyll a (µg/L)	1.3	4.0	16.52	0.008	9.40	7.64		
Date	5/26/2014	0.0	16.10	0.009	9.91	8.13	5.10	
		1.0	16.08	0.009	10.00	8.00		
Site Depth (m)	5.10	2.0	16.08	0.009	9.90	7.90		
Phosphorus (µg/L)	2.0	3.0	15.71	0.009	9.70	7.71		
		4.0	15.75	0.009	9.68	7.70		
Chlorophyll a (µg/L)	0.6	5.0	15.70	0.009	9.67	7.69		
ChIA	TP	Depth	T°	Cond	DO	pH	Secchi	
2.0	5.0	5.10	20.79	0.009	10.00	8.66	5.10	Max
0.3	2.0		15.70	0.008	8.62	7.53	3.44	Min
1.0	2.0		17.67	0.009	9.26	7.83	4.13	Med
1.1	2.8		17.78	0.009	9.25	7.90	4.20	Ave
0.8	1.5		1.79	0.000	0.45	0.27	0.71	StDev

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

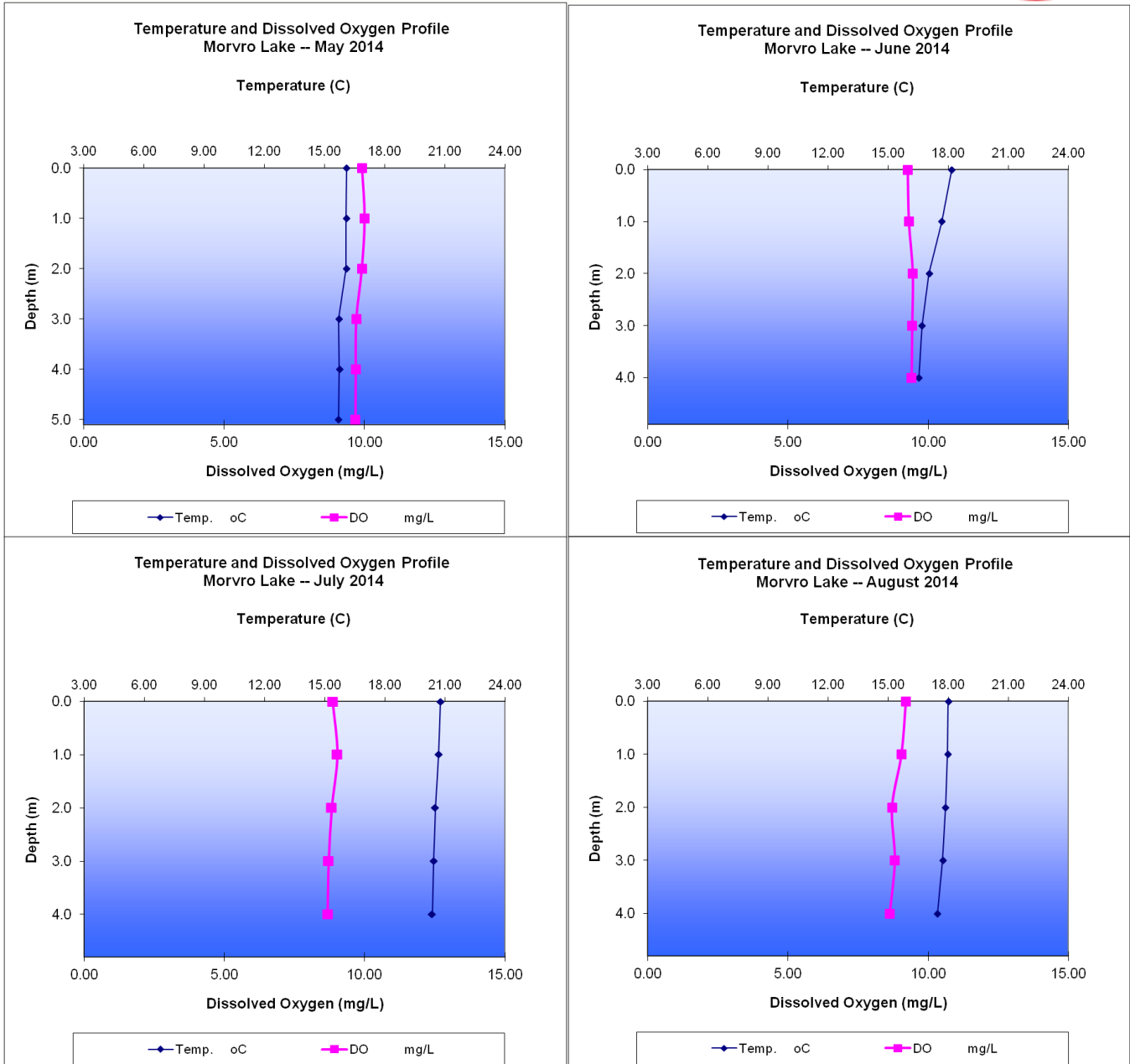


The Alaska Water Quality Standards do not apply absolutely to lakes without taking multiple factors into account. For more information on WQS, please see <http://www.dec.state.ak.us/water/wqsar/wqs/>.

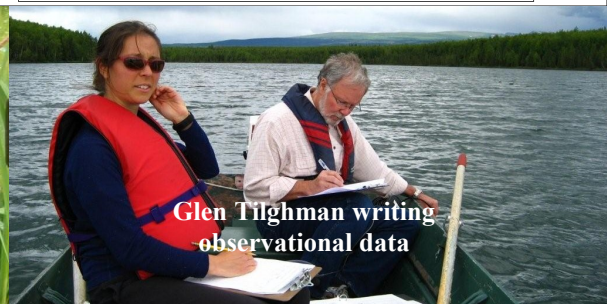


Red-necked grebe

# Matanuska-Susitna Borough Volunteer Lake Monitoring Program



Bulrush, aka cattail or *Typha*



Glen Tilghman writing observational data