

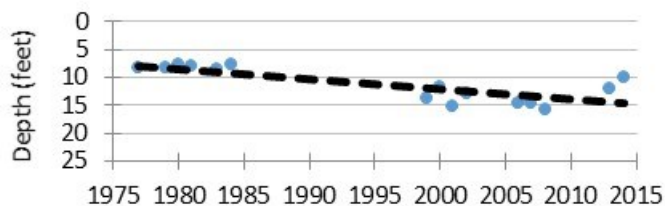
# Baseline Lake, Livingston County

## 2014 CLMP Results



### Secchi Disk Transparency (feet)

Year	# Readings	Min	Max	Average	Std. Dev	Carlson TSI
2014	16	7.0	12.0	10.1	1.5	44
2009-2013	12	9.0	16.0	12.0	2.3	41
1977-2008	202	4.0	22.0	11.3	2.3	43
2014 All CLMP	3050	2.0	50.0	13.1	2.1	41



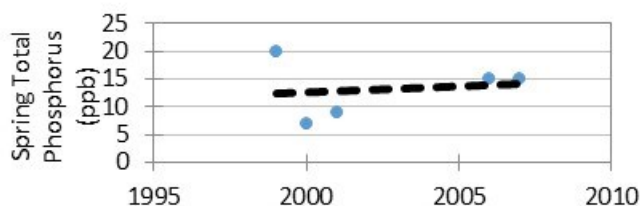
### Chlorophyll-a (parts per billion)

Year	# Samples	Min	Max	Median	Std. Dev	Carlson TSI
2013	4	<1.0	2.9	2.0	1.0	37
2014 All CLMP	583	<1.0	23.5	2.0	2.9	37

No graph: Not enough data

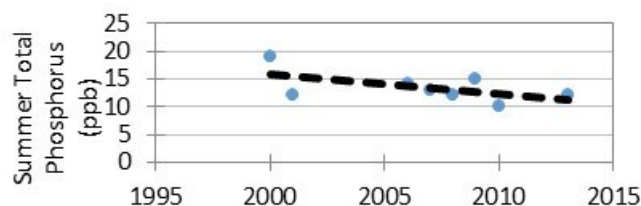
### Spring Total Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev
2014	*				
2006-2007	2	15	15	15.0	0.0
1999-2001	3	7	20	12.0	7.0
2014 All CLMP	164	3 W	77	13.2	11.1

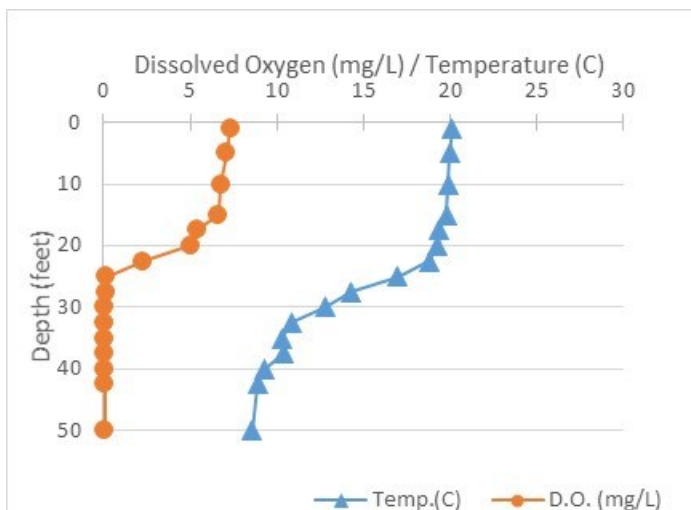


### Summer Total Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev	Carlson TSI
2013	1	12	12	12.0	NA	40
2008-2012	3	10	15	12.3	2.5	40
2000-2007	4	12	19	14.5	3.1	43
2014 All CLMP	180	4 T	62	13.5	7.9	41



### Sept 2013 Dissolved Oxygen and Water Temperature Profile



### Summary

	2014	2009-2013	1977-2008
Average TSI	44	40	42
Baseline Lake	44	40	42
All Lakes	40	NA	NA

No spring phosphorus sample was received although lake was registered for this parameter.

With a TSI score of 44 based on Secchi transparency, Baseline Lake is rated as a mesotrophic lake. The lake keeps some dissolved oxygen in the bottom waters through early summer, but by late summer the bottom water is completely devoid of oxygen.

Long term trends indicate a decline of nutrients in the lake, but the last two years have had lower transparency than were expected based on the trend graph.

\*= No sample received W= Value is less than the detection limit (<3 ppb) T= Value reported is less than the reporting limit (5 ppb). Result is estimated.  
 <1 = Chlorophyll-a: Sample value is less than limit of quantification (<1 ppb).