

Whitewood Lake, Livingston County

2014 CLMP Results

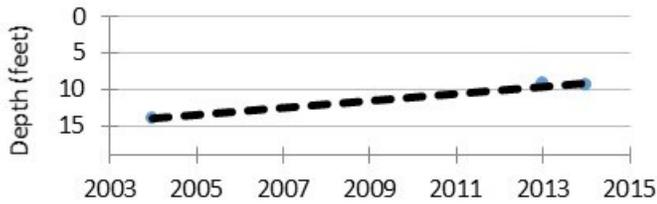


Secchi Disk Transparency (feet)

Year	# Readings	Min	Max	Average	Std. Dev	Carlson TSI
2014	18	7.5	12.0	9.4	1.3	45
2013	18	7.0	16.0	9.1	2.1	45
2004	15	6.0	15.5	13.9	1.5	39
2014 All CLMP Lakes	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	5	2.3	3.9	3.6	0.6	43
2014 All CLMP Lakes	583	<1.0	23.5	2.0	2.9	37



No graph: Not enough data

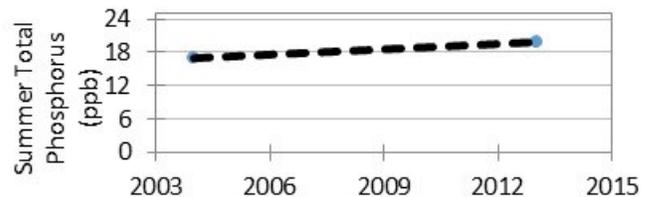
Spring Total Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev
2014	1	17	17	17.0	NA
2014 All CLMP Lakes	164	3 W	77	13.2	11.1

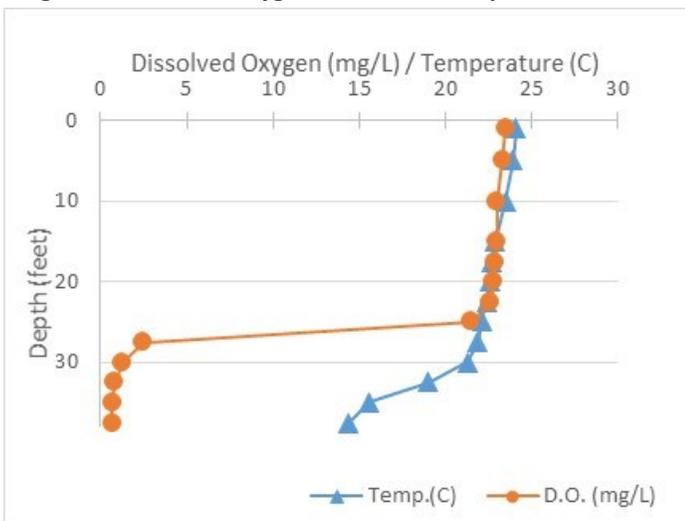
Summer Total Phosphorus (parts per billion)

Year	# Samples	Min	Max	Average	Std. Dev	Carlson TSI
2013	1	20	20	20.0	NA	47
2004	1	17	17	17.0	NA	45
2014 All CLMP Lakes	180	4 T	62	13.5	7.9	41

No graph: Not enough data



Aug 2013 Dissolved Oxygen and Water Temperature Profile



Summary

Average TSI	2014	2013	2004
Whitewood	45	45	42
All CLMP Lakes	40	NA	NA

With a TSI score of 45 based on Secchi transparency, this 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 devoid of oxygen.

There is too little data to assess long term trends. CLMP recommends eight years of consistent monitoring in order to develop a strong data baseline.

*= 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).