

# Bantam Lake

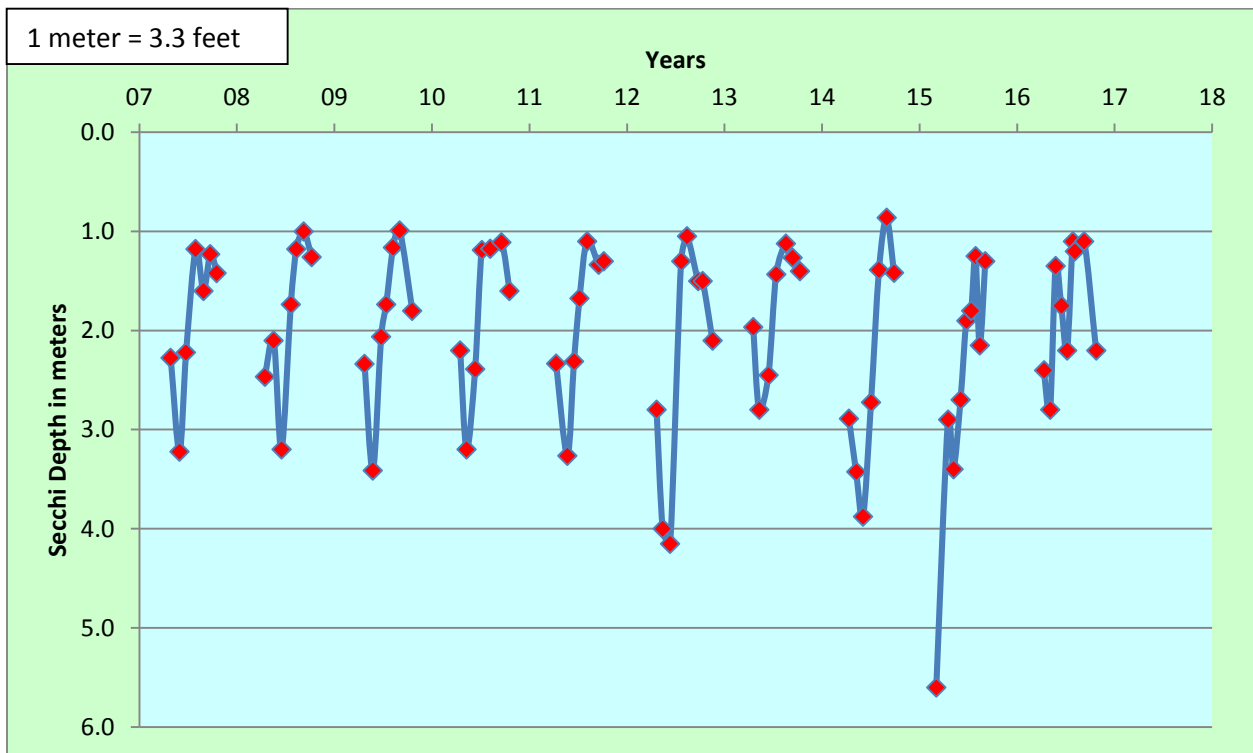
## 2016 Summary

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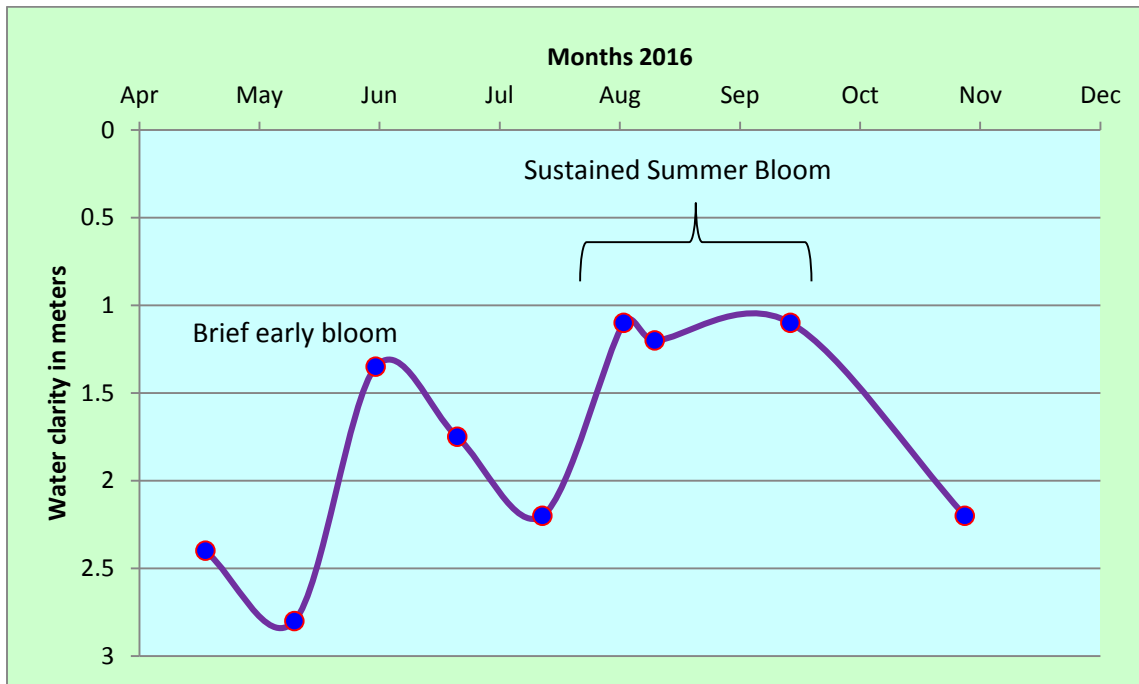
### Water Clarity

The trend in water clarity shows a generally repeatable trend each year with good reading in May and poor readings in July–October. In 2016, clarity did not exceed 3 meters at any time. The very good reading of 5.6 meters was under the heavy ice cover that year.

Water clarity below 1.5 meters indicates alga bloom conditions. Clarity readings near or below 1 meter are indicative of cyanobacteria blooms dense enough to form scum.

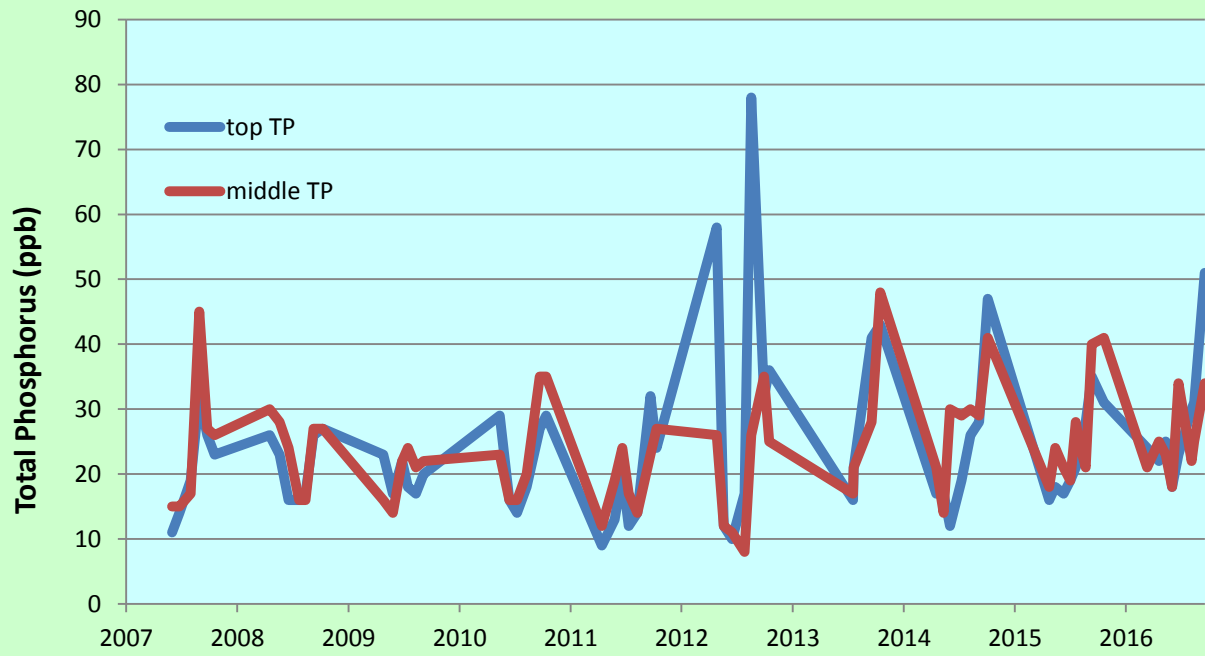


Water clarity trend for 2016 is shown below. Graph shows water clarity did not exceed 3 meters in May instead we got an early spring bloom in May. The graph also shows sustained summer bloom between mid-July and late September when Secchi disk readings were between 1.1 and 1.2 meters.



Phosphorus concentrations in Bantam Lake shown in 2 graphs below as time series over time as recorded at the center station located over deepest water. Upper graph shows the values at top and middle water depths, lower graph shows values at the bottom depth. The phosphorus appears to have increased in top and middle depths over the last 5 years after the crazy high values of 2012. Bottom water phosphorus graph show a peak each summer that is mostly likely causing the blooms. Note how 2016 had highest bottom water concentration of nearly 500 ppb.

### Top and Middle Total Phosphorus at Bantam Center Station



### Bottom Total Phosphorus at Bantam Center Station

