

Lower Bolton Lake 2014

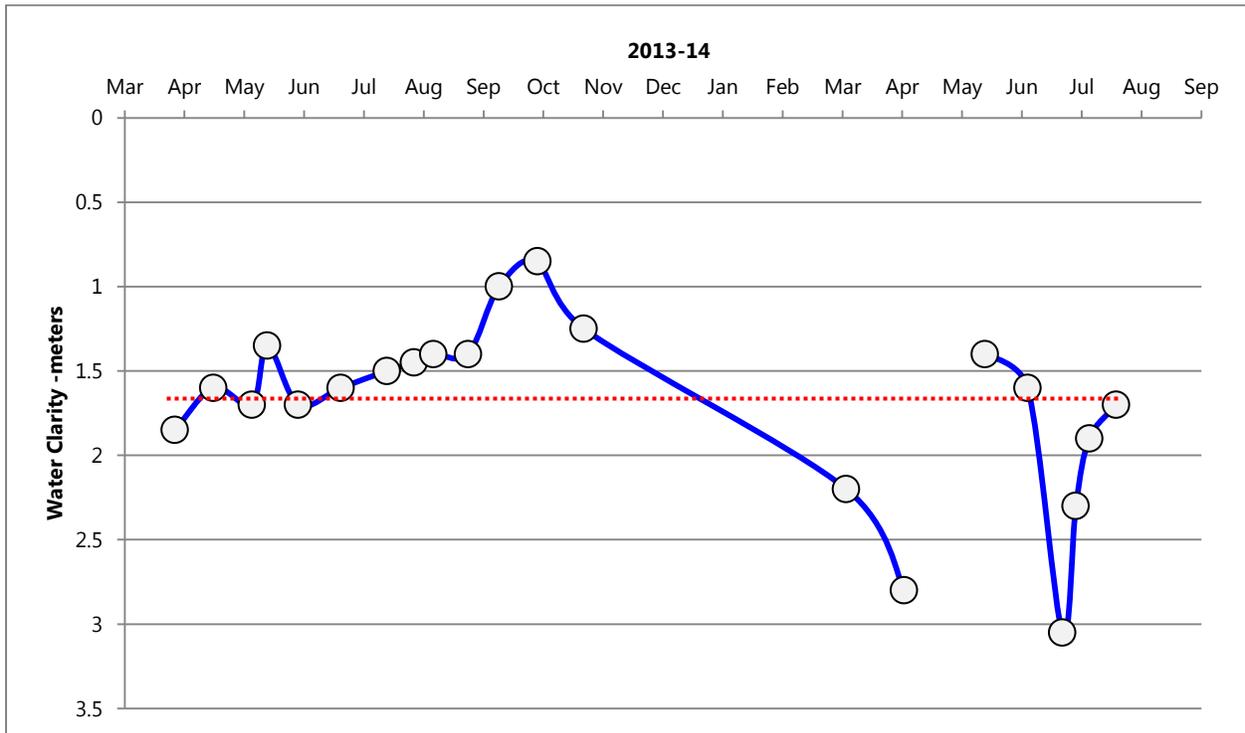
Out lake visits this year have occurred on:

10-Mar 9-Apr 8-May 21-May 12-Jun 30-Jun 7-Jul 14-Jul 28-Jul
We expect to visit the lake later this week or early next week.

July 7th visit was in response to concerns about bluegreen algae. We did find some floating anabaena in a cove on the west side of the lake and had it tested for microcystin toxin. Generally there was very little anabaena in the water column on that day. The toxin result was barely detectable at 0.46 ppb.

Lower Bolton Water Clarity

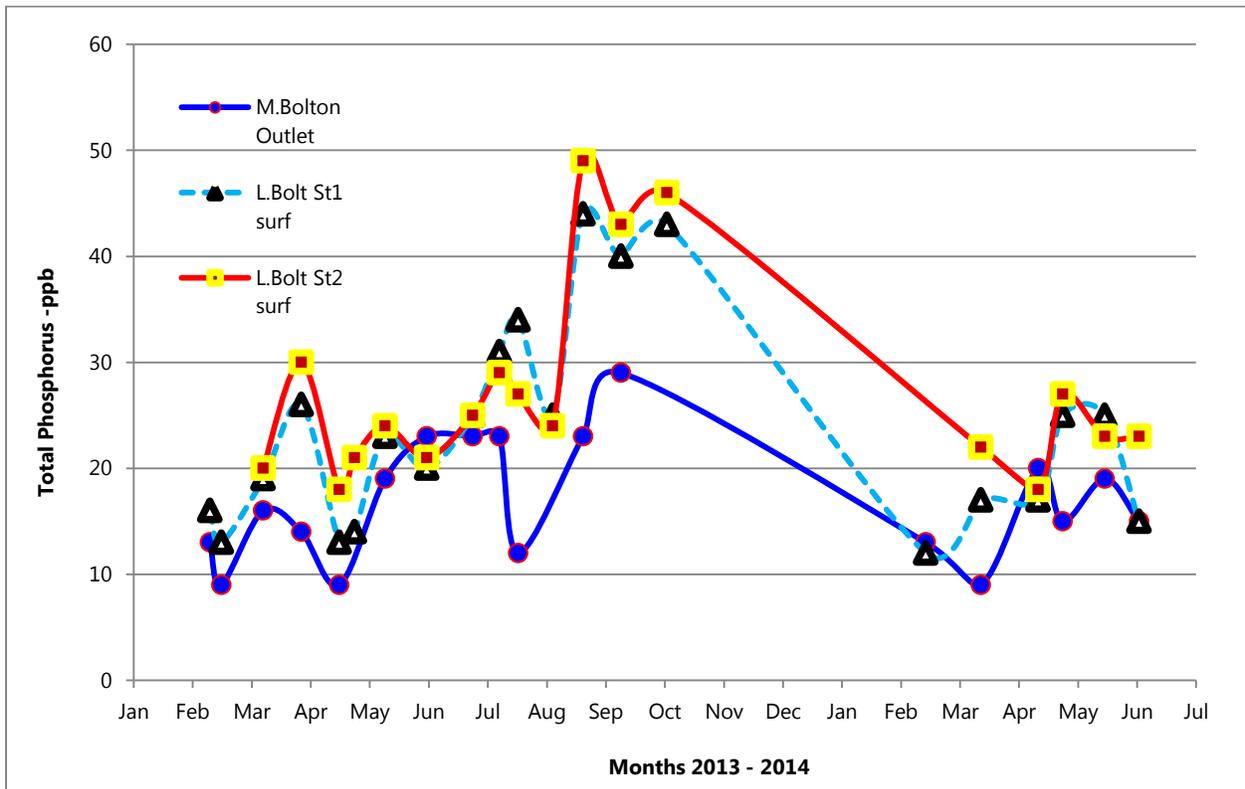
The water clarity was poor in the very early spring, but showed a large improvement in late June when the Secchi depth as 3 meters. Clarity has rapidly decreased since then but so far is still better than most of the summer readings from last year—although not by much.



Lower Bolton Phosphorus

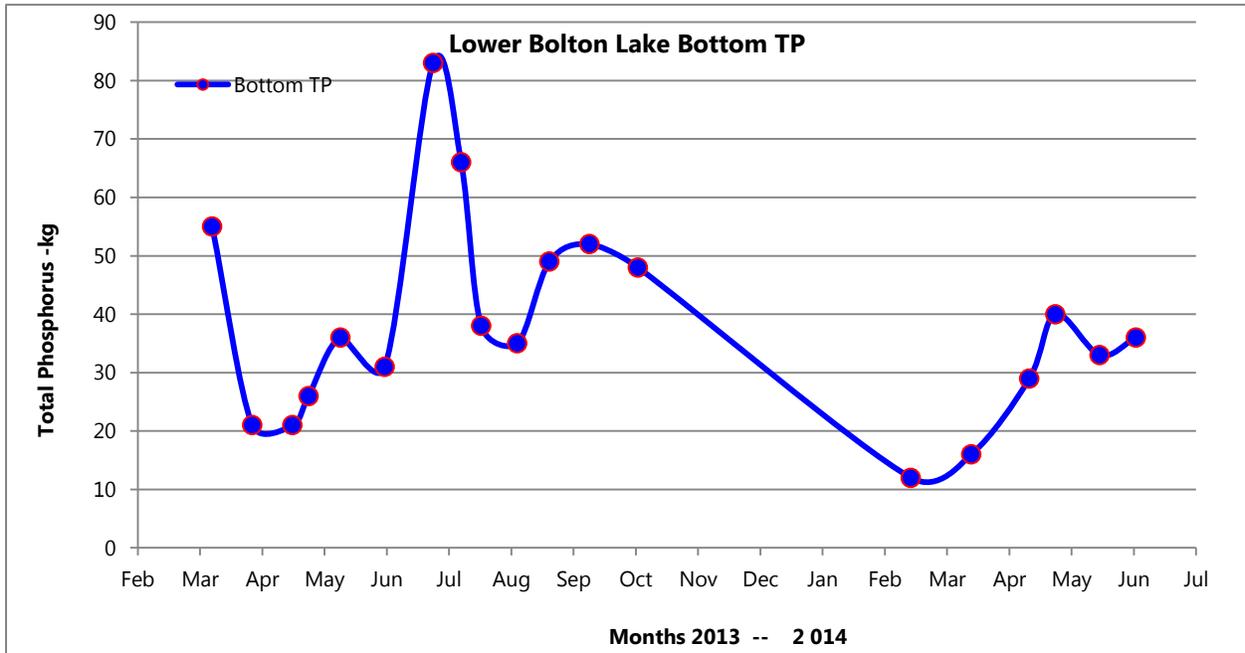
This chart shows the trend in total phosphorus in Lower Bolton Lake. There was a steady increase in phosphorus during the season last year with the largest increase occurring after beginning of August. This year phosphorus low in February and March and early April but increased in late April and early May. Most recent data shows phosphorus possibly decreasing in Lower Bolton. But most of the data this year appears very similar to trends observed last year. If the lake follows a similar tract this year we should expect phosphorus to start increasing this month—August.

For the most part phosphorus from Middle Bolton dam remains lower than phosphorus concentrations found in Lower Bolton Lake, although a few samples have come back showing Middle Bolton discharge has more phosphorus than Lower Bolton Lake.



Bottom Water Phosphorus Concentration

Concentration of phosphorus in bottom water has shown an increase in May and early June and appears to be comparable to what we saw last year prior to July. Last year phosphorus at the bottom was higher than other months.



Lower Bolton Anoxic Boundary

The amount of anoxic water in Lower Bolton increased during May but showed signs of improving during June. Hoping that this trend to continues.

