

OLHA Water Quality Report 6-1-15

Rick Walklet

> 2014 Testing Results :

- Secchi Disc - Depths ranged from 14.5 to 16 feet (14.9 ft)
 - Prior years average (1999-2006) averaged 13.8 ft

- Phosphorus - 2014 was 11 parts per billion
 - Prior years average (2009-2013) was 12.3 ppb
 - 1998 to 2008 average was 10.3 ppb

CLMP assessment -

“ The lake keeps some dissolved oxygen in the bottom waters thru early / most of the summer, but by late summer the bottom water is completely void of oxygen. Long term trends indicate that the trophic status parameters have not changed beyond minor year-to-year variations since monitoring began in 1999”

RW comment - at the 5/1/15 training, the trainers shared that oxygen generation occurs to a depth of roughly 2 times the Secchi disc reading....after that point there is not enough light to support photosynthesis. Spring areas feeding the lake at greater depths can provide additional sources of oxygen

> 2015 Testing will include Secchi, Phosphorus, and Chlorophyll-a

> May 1, 2015 CLMP training key points

- Hands on training for all monitoring techniques and invasive plant species was very helpful....recommend for all new monitors
- Invasive plant species early identification for prompt countermeasures is crucial to avoid impact to our lake (handout)...
- One major way to help ensure we do not bring invasive species to lake is to make certain to CLEAN and DRY our boats if we take them to other lakes (both before launching into other waters and upon return to Oxbow).
 - > Power wash the boat exterior / trailer / intakes / bilges / fish wells / bait wells / exhaust (Suggestion : use the coin op car wash across from Oxbow Window....use lots of soap)
 - > Let EVERYTHING dry for 2 days before re-launching into our lake