

2017 Lake Status Report

Jim Hartog
lot 36
May 2017

The 2017 annual average for **Secchi Disc** readings (water clarity) was 4.3 m which is the lower (worse) than our historical average. The lack of clarity was due to increase in colour (brown). A plausible hypothesis that has been offered as explanation is that the very wet spring caused excess flow from our feeder ponds. The ponds are like “tea pots” because of the amount of decaying material they contain.

The May 2017 **Total Phosphorus** readings (water nutrients) averaged out to 12.2 um/L (10.4 and 14.0) which is a lot worse than our average. This can again be caused by the excess spring flow from our feeder ponds (or Hartog screwed up).

Our **Calcium** levels were at 6.8 mg/L which is still in the safe zone.

In August 2017, the lake was sampled in three locations for the **Invasive Species**, spiny water flea and zebra mussel veligers with a kit supplied by OFAH. Our results were again negative. Samples are taken at the deep points in both the east and west basin and in front of the public landing.

Water Quality Testing at the level of the earlier studies decades ago was again conducted on local lakes (and some park lakes, including Loon Call) by NORKLA in 2017. That testing had our total phosphorus levels at 4.9 um/L which is a lot less than what I got in May as reported in paragraph two. I will comment more on the NORKLA testing at the AGM.