

# **CLEMONS POND WATER QUALITY REPORT**

**May 27, 2018**

**I am pleased to report that the water monitoring season of 2017 held no surprises for us or revealed any alarming unfavorable trends based on review of our data and comparisons to previous years.**

**Our average water clarity (SECCHI depth) for last year was 5.30 meters which was slightly less than the historic average. The range of SECCHI depth readings was from 4.3 to 6.2 meters over the course of the season with highest clarity achieved in October. Oxygen levels in the pond followed their usual pattern over the course of the season with late summer desaturation noted which was typical. Phosphorus testing done in August 2018 was stable compared to the previous year at 5 parts per billion.**

**Testing so far this spring shows good early season water clarity over the first two testing events of 5.87 and 5.78 meters. Surface water temperature yesterday was 68 degrees F, which is significantly warmer than 2 weeks previous when it was 62.6 degrees**

**We continue to participate in a long-term climate change study with U. Maine Farmington with data loggers to monitor and record air and water temperature through the summer months.**

**Thanks again to Nancy Serrell for her continued assistance.**

**Victor Lerish**

# **CLEMONS POND WATER QUALITY REPORT**

**Sept 2, 2018**

**The water quality monitoring season of 2018 is almost complete. We have eight sets of water clarity as well as dissolved oxygen/temperature profile data thus far this summer. In addition we have one late summer total phosphorus result. Testing will be continue every other week if possible well into October. Data collected thus far has not varied dramatically from previous summers and if anything has slightly trended in a positive direction.**

**Our average water clarity (SECCHI depth) for the year to date was 5.81 meters, an improvement over what we have seen in the last two years at this point in time. Oxygen levels in the pond followed their usual pattern over the course of the season with late summer desaturation noted which was typical, though late summer temperature and oxygen profiles revealed colder water and better oxygen levels than several recent summers. Surface temperature in the pond one week ago was 76 degrees F compared to 75.4 degrees in 2017 for about the same day. Phosphorus testing done was done on August 10,2018 and was 7 ug/L (or 1 part per billion). We are typically in the 5-7 ppb range.**

**All in all a good water quality season on the pond!!**

**Victor Lerish**