

2013 VAN ETTEN LAKE WATER QUALITY RESULTS

SECCHI DISK CLARITY

The average of the weekly clarity measurements taken for 2013 was **6.4 feet**. The average for the summer of 2012 was **6.2 feet**. The 10 year average is **6.8 feet**. The average water temperature mid-lake over the summer was 68.6 deg. F. This compares to a 10 year average of 68.5 deg. F. The clarity and temperature measurements are taken weekly from mid-May to mid-September.

PHOSPHOROUS TESTING

The 2013 spring overturn phosphorus concentration was **23 parts per billion [ppb]**. The comparable concentration in 2012 was **15 ppb**. The spring result is thought to be a good estimate of the average phosphorus concentration in the lake. The 10 year average spring concentration is **24.5 ppb**.

The 2013 fall phosphorus concentration was **35 parts per billion [ppb]**. The comparable concentration in 2012 was **68 ppb**. The 10 year average fall concentration is **32.9 ppb**.

CHLOROPHYLL A TESTING

This test is intended to help to determine the relative amount of algae in the lake by measuring chlorophyll concentrations. The median for 2013 was **8.2 ppb** compared to a median of **6.4** for 2012. The average of the median values for Chlorophyll A concentration over the past 10 years is **5.2 ppb**.

PHRAGMITES REPORT

The small stands of Phragmites on the Camp Nissokone property have been treated in the fall of 2013 through the cooperative efforts of Huron Pines and the YMCA. Hopefully, this stand was treated before it could spread to other locations. **Please let us know if you spot a new tall grow in along your shoreline that you are not familiar with so it can be evaluated before it becomes a serious problem.**