

## Cooperative Lakes Monitoring Program (CLMP) – Report Aug 17, 2022

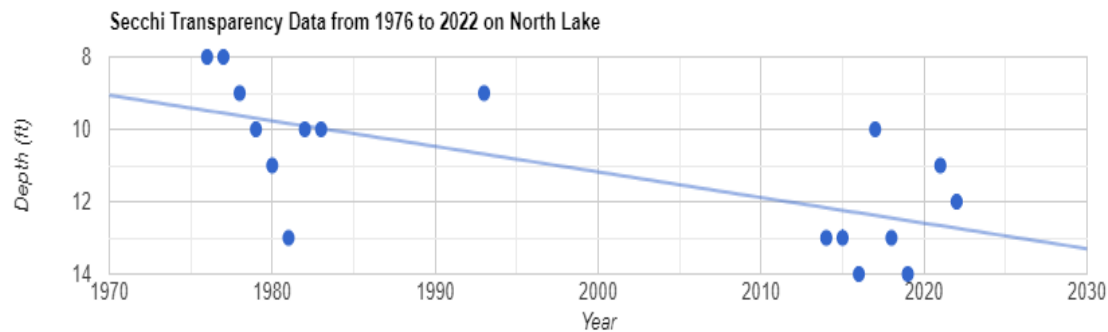
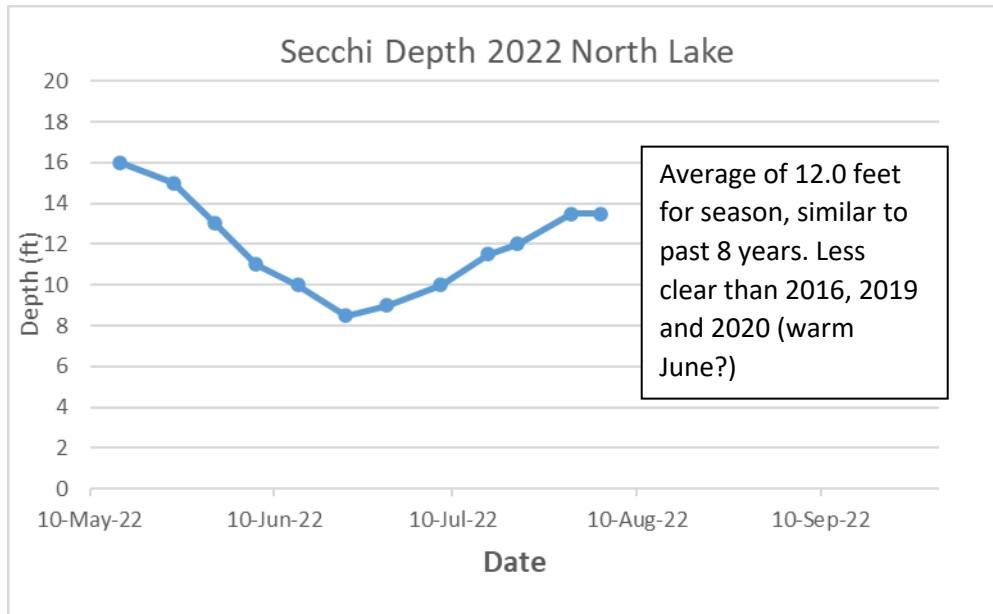
Charlie Taylor

North Lake has participated in this program since its start in This year we again sampled North Lake for the following:

- Secchi disk measurements of water clarity (weekly)
- Dissolved oxygen and temperature at 5-ft increments from surface to bottom
- Chlorophyll (monthly samples)
- Phosphorus (early spring and late fall)

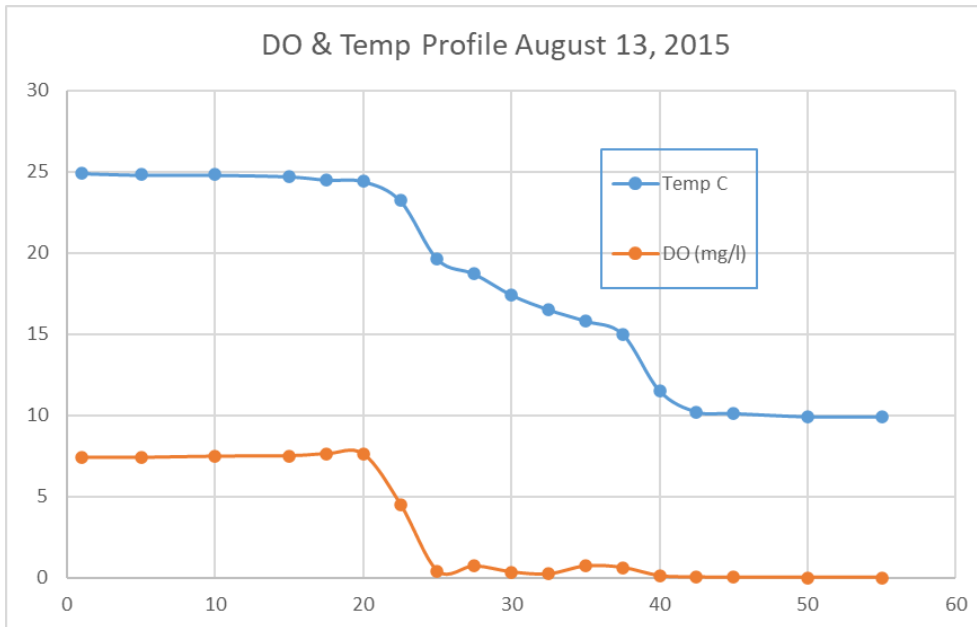
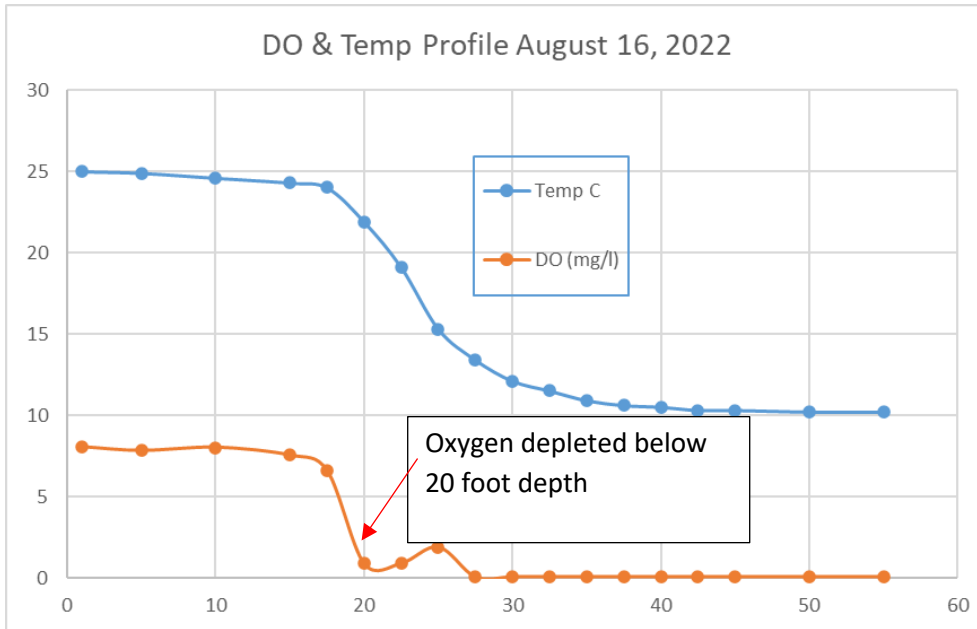
Overall, readings were very similar to previous years, with a slight trend to increased Secchi disc visibility over the past 40 years. There is a slight trend to increased spring phosphorus levels in the past 5 years, but this is not very certain. Our lake is in reasonably good condition compared to many other lakes in our region of Michigan.

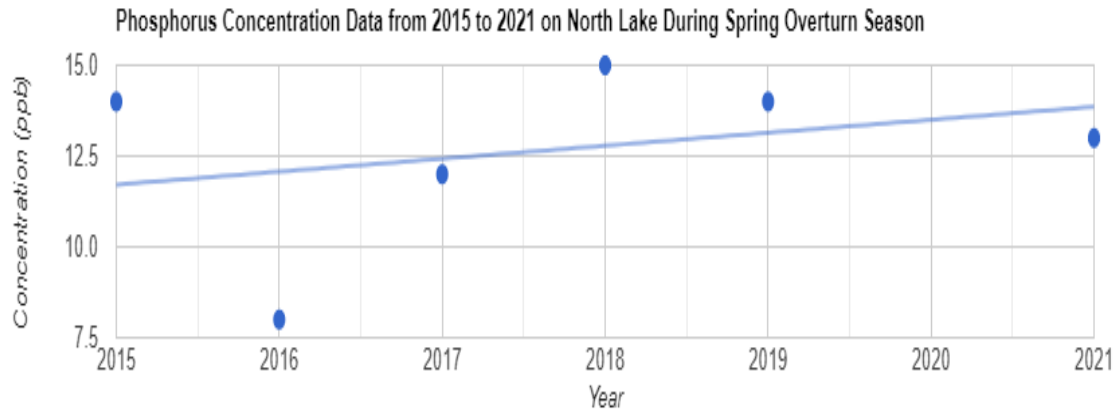
### Graph of weekly Secchi readings:



**Summary of monthly D.O. and temperature profiles vs. 2015:**

(overall very similar to previous years)





Note slight trend to increasing phosphorus since 2015; 2016 had exceptionally clear water all season.

The 2022 chlorophyll and phosphorus data will be provided late in the season.