



## 2023 Water Quality Report: Squash Lake

### Conclusions

- There were no unusual results or trends for 2023 based on prior data.
- Chloride levels in Squash Lake are above normal for a Northern Highland Lake, but no significant change year to year.

### Squash Lake Summary

- Secchi Disk – Upload of data to SWIMS for the year is incomplete.
  - Min 12.0ft (on 5/4/23) slightly lower than average for May (post “turnover”).
  - Max 19.75 (on 8/25/23) about average for August.
- Chlorophyll Avg was 1.50 µg/l. Typical for Squash Lake.
- Total Phosphorous Avg was 11.0 µg/l. Typical for Squash Lake. August reading was below detection limit, or none detected.
- Chlorides – No significant change year to year. Typical Northern Highland Lake is around 2 mg/l or lower.
  - 2023: 14.3 mg/l
  - 2022: 14.4 mg/l
  - 1993: 4 mg/l.
- Trophic State – remains upper oligotrophic/lower mesotrophic.
- Surface Water Mixing – Upload of data to SWIMS for the year is incomplete.
  - Thermocline – data is incomplete for the year, no summary available as of date of this report.
  - Dissolved Oxygen – data is incomplete for the year, no summary available as of the date of this report.
  - Surface Water Mixing Data will be available in report form from the DNR by December 2023.