

- 1st year of independent test from MLA (MLA cancelled water testing in 2020 due to Covid)
- Testing sites / locations remained the same and we engaged the same testing lab (ALS)
- Results from water testing were consistent with previous years showing no major deviations from trend
- In the fall of 2020, the lake experienced another cyanobacteria outbreak and this has precipitated a change of water testing sites
- Testing will occur on each of the summer long weekends starting in May. A fifth set is under consideration for October



Testing Sites for 2021

Deep water site off Crown land

Main inlet from St. Germaine Lake

**Inlet between Karantjas / Olson
(both side of Kendon Road)**

Outlet to Lake Joseph

Many lakes in the watershed have experienced blue green algae blooms.

We are not alone.

Testing of the algae in 2019 and 2020 showed no toxicity and was below drinking water possible toxic levels, which are more stringent than recreation levels. **This does not mean that we can be complacent and we must continue to be diligent and follow best practices to care for our lake.**

This year the District has started "Causation Studies" on five other lakes picked by The District. The study is intended as a way to determine the cause of algae Blooms to other issues and why water quality may be vulnerable. Impacts may be due to natural processes or human activities.

Badly maintained or old septic systems that need replacing or repair are of particular concern. The Septic Survey and inspections being conducted by the Township should help to identify problems but is not a substitute for good septic practices and regular pumping, etc.

Because algae was observed in 2019 and 2020, our Lake has been deemed vulnerable by the District and is placed on a waiting list for a causation study with 9 other lakes. Preparing a Lake Plan is vital part of this process. The vulnerability listing should enable us to get a causation study done and should also have a bearing on any future development projects.

The District has also contacted us to begin 'benthic testing' of our lake. This is a study of organisms that make up bottom communities in lakes.