



Kawartha Lake Stewards Association

264 Bass Lake Road

Trent Lakes
klsa@klsa.info

Ontario

K0M 1A0

March 23, 2022

Ms. E. Arthurs
Chief Administrative Officer
Township of Douro-Dummer
894 South Street, P.O. Box 92
Warsaw, ON
K0L 3A0

Dear Elana,

On behalf of the board of the Kawartha Lake Stewards Association, I would like to sincerely thank the Township of Douro-Dummer for its continued support. The \$1000 grant received for 2022 will help us to continue to monitor water quality over time, educate the public, and pursue important research. Now entering our twenty-second year of operation, our traditional activities include:

- Volunteer collection of water samples in 11 lakes, for analysis in local labs
- Monitoring of E. coli, phosphorus, and clarity
- Reporting what is entering our lakes from sewage treatment plants, which ultimately affects the entire Trent-Severn system
- Educating thousands of shore dwellers and taxpayers through freely available publications
- Publishing our annual **Report on Water Quality**, now about 70 pages/year.

Complementing our traditional water monitoring program, we have launched a program to track water temperature and dissolved oxygen levels in lakes across the Kawartha region. Oxygen dissolves in surface water due to the aerating action of winds and is also introduced into the water as a byproduct of aquatic plant photosynthesis. When dissolved oxygen becomes too low (e.g. as a result of the decomposition of enhanced aquatic vegetation growth due to climate change), fish and other aquatic organisms cannot survive. Once completed, the results of these studies will help to document the local impact of climate change and provide insights into how these lakes are likely to continue to evolve so as to help inform future lake management plans.

While there are many outstanding features amongst the sights, events and activities in this region, arguably none is more important than our water. Whether for drinking, recreation, or supporting the local economy, our waterways are a source of both sustenance and inspiration. Once again, we greatly appreciate Douro-Dummer's continued support. I will drop off a bundle of reports as soon as they are printed.

Yours truly,



Tom McAllister
KLSA Vice-Chair and Director of Fundraising