

Lake Dalrymple Working Group MEETING MINUTES

Thursday September 8, 2022 - 7-9pm

Carden Rec Centre

Please refer to the PDF presentation for additional information

In attendance:

Blair Stevens, Sylvan Glen Beach Association
Brett Tregunno, Kawartha Conservation
Christina Winter, Carden Recreational Centre Executive, Shoreline Resident
Eddie St. Marie, Sylvan Glen Beach
Guy Hetherington, Councillor Ward 4 Ramara Township
Harry Hall, Shoreline Resident
Jim Aldridge, Watershed Resident
Jordan Howard, Nature Conservancy of Canada
Kevin Flow, Shoreline Resident
Malcolm Winter, Shoreline Resident
Mike Halladay, Director, Campbell's Beach Association
Paul Stevenson, Sylvan Glen Beach
Tanner Liang, Kawartha Conservation

1. Welcome
2. Roundtable Introductions
3. Project timeline
 - *Project is currently in Year 2 of 4, just finishing major components of the Scoping Phase (identifying key issues and opportunities), continuing with the Characterization Phase (lake health monitoring), and in winter will be transitioning into Management Planning Phase (details on how to address key issues).*
4. 2022 monitoring activities and results:



**KAWARTHA
CONSERVATION**

Discover • Protect • Restore

- *Detailed information and interactive maps of our monitoring results are posted on our website: <https://kawarthaconservationwaterquality.shinyapps.io/LakeDalrymple/>*
- a. **Water quality**
 - *Ongoing data collection indicates that Lake Dalrymple is considered to have fair to good water quality with most samples meeting water quality objectives.*
 - *Lake is considered mesotrophic (moderately enriched).*
 - *Elevated nutrients exist at LDT4 tributary site but unsure if related to natural sources or agricultural land use.*
 - *Lake stratifies in summer (a layer of relatively warm water on top, followed by a rapid temperature decline in the middle, and colder water below).*
 - *Lake-bed sediment quality sampling to be undertaken in September on multiple sites in Lower and Upper Lake Dalrymple.*
- b. **Water quantity**
 - *Continuous data logger installed in June just off eastern shore of Lower Dalrymple and is recording water levels every 15minutes.*
 - *Surveyed high water mark as recorded by Harry Hall (Avery Point) in spring 2018. This is the highest known water level on the lake and is approximately 1.6m above current levels on September 8, 2022.*
- c. **Aquatic Resources**
 - *Completed aquatic plant monitoring in August and have produced maps showing location and abundance of invasive species, emergents, floating-leaved, and submerged plants.*
 - *Completed water temperature sampling of most stream-road crossings. Most sites are either dry or coolwater. Two sites considered coldwater habitat which have potential to support sensitive life.*
 - *Fisheries sampling on tributaries and in nearshore areas indicate diverse fish communities (20 species), with no species at risk documented.*
 - *Several invasive species documented including: quagga mussel (first record for the lake), zebra mussel, banded mystery snail, Chinese mystery snail, Eurasian Watermilfoil, and Starry Stonewort.*

5. Community Engagement Results

- *Provided summary of key findings of community engagement survey. 48 people responded. Key values included: Nature and Habitat, Water Quality and Quantity, and Ambience and Character. Key issues included: Fishing, Water Quality and Quantity, and Wildlife, Habitat, and Invasive Species. Key changes over time included: changes in fish populations, and changes in water levels.*

KAWARTHA CONSERVATION

277 Kenrei Road, Lindsay, ON K9V 4R1

705.328.2271 Fax 705.328.2286

KawarthaConservation.com

Our Watershed Partners:

City of Kawartha Lakes • Region of Durham • Township of Scugog • Municipality of Clarington • Township of Brock • Municipality of Trent Lakes • Township of Cavan Monaghan





**KAWARTHA
CONSERVATION**

Discover · Protect · Restore

6. Roundtable questions/discussions

- *Key questions and discussions from the group included: "need more enforcement re illegal angling activities", "toxic chemical dump property potentially impacting lake", "biosolids application on farmers fields and ecoli", "causes of elevated phosphorus loading at LDT4", and "Potential impacts of quarry runoff".*

7. Other business?

8. Closing – next meeting

KAWARTHA CONSERVATION

277 Kenrei Road, Lindsay, ON K9V 4R1

705.328.2271 Fax 705.328.2286

KawarthaConservation.com

Our Watershed Partners:

City of Kawartha Lakes • Region of Durham • Township of Scugog • Municipality of Clarington • Township of Brock • Municipality of Trent Lakes • Township of Cavan Monaghan

