



COMMITTEE HIGHLIGHTS

Lagoon City Parks and Waterways Commission

November 10, 2021

Lagoon City 2021 Sonar Results

The Commission received a presentation from Nick DeMarco of Weeds B' Gone explaining the October Sonar Scanning results of Lagoon City's canals. Scanning creates a historical mapping of water body characteristics, compares changes over time and measures the progress of the improvements. The presentation focused on the 2022 Clean-Flo™ Expansion Project for Beaver, Cedar, Windward and Concord Lagoons and the results of ongoing Aeration (Oxygenation) Treatments presently in Concord, Pike and Turtle Lagoons.

2022 Clean-Flo Expansion

Following the Commission's multi-year plan, the 2022 expansion of the Clean-Flo™ System will include Beaver, Cedar, Windward and Concord Lagoons. Weeds B' Gone will provide noise-insulated housing for the equipment to feed 21,000 feet of Self-Sinking Airline, 400 feet of High-Temperature Airline and 21 Diffusers. The total cost for the 2022 expansion is \$166,229, plus HST, which includes three years of Sonar Scanning and Bioaugmentation Treatments.

2021 Sonar Scanning Results

Nick reported that there had been significant muck reductions in the canals since this project started six years ago and in subsequent phases added a year later.

In Concord Pond, Aeration systems have been running for six years, and the muck reduction has decreased to zero in the center areas and six inches to a foot around the sides. Due to the number of overhanging trees in the area, leaves fall into the canals and decompose becoming muck causing muck reduction to be a constant cycle for this area.

In Turtle Lagoon, the system has been running for five years, and muck has reduced from three to half a foot. In this area as well, leaves fall in the canals, so achieving this this level of muck reduction is very good.

In Pike Lagoon, the system has been running for five years, and the muck has reduced from three to one and a half feet. Due to the significant nutrient loading, leaves and runoff from lands on opposite sides of the housing, muck reduction has not decreased as much as in other areas.

[Click here](#) to view the presentation by Nick DeMarco of *Weeds B' Gone*.

Next L.C.P.W.C. meeting is on December 9, 2021 at 9:30 a.m.

2022 DRAFT BUDGET

The Commission approved the Proposed 2022 L.C.P.W.C. Budget; it will be brought forward to the Draft 2022 Budget process that begins Monday, November 15, 2021. The budget includes the following:

- 2022 Levy charge of \$773, a \$122 increase from 2021,
- New equipment to support Weed Harvesting Operations (New Harvester, Conveyer and Trailer),
- Expansion of Clean Flo™ System, and
- Reduction of Dredging Budget by \$40,000 to \$100,000 as a result of decreased Dredging needs.

Please be advised that \$500,000 will be coming out of reserves; \$400,000 will be directed to cover capital costs (equipment), and \$100,000 will be directed to cover the expansion of the Clean Flo™ system.

L.C.P.W.C. Manual

The Commission reviewed their internal L.C.P.W.C. Operations Manual that outlines bylaws and policies related to the establishment and regulation of the Commission, asset locations (equipment, parks and footbridges), water management strategies, and recurring work schedule.

North Footbridge Abutment Rehabilitation Tender

The Commission reviewed the Tender documents and approved to advise EXP to proceed to tender for the project. The work will occur on the 24.4 meter span pedestrian suspension bridge over the canal between 15 and 17 Poplar Crescent. The Director of Infrastructure advised that the work will occur in late spring to early summer and assured Gondola Lagoon would remain open to marine traffic, with limited access, for the project's duration. Rehabilitation will include the following:

- Supply and setup of temporary floating work platform(s) over canal watercourse around existing bridge foundations to facilitate construction operation area and to accommodate for the construction equipment(s);
- Installation of temporary bracing to stabilize/protect existing A-Frames of the bridge;
- Provide drainage control for drill flushes and cuttings, containment systems around existing pile caps/foundations to prevent materials, debris and effluent arising from the work from falling into the watercourse;
- Installation of micropile foundations;
- Installation of steel supporting frame to connect micropile foundation to existing A-Frames;
- Removal of floating platform(s), temporary bracing and containment systems, and
- Restoration of all disturbed areas

[**Click here for the full Agenda and Minutes**](#)

2022 Infrastructure Work to Bridges 2 & 4

Director of Infrastructure advised the Commission that the following bridgework will commence in 2022:

- Township Bridge 4, located on Pine Tree Court that goes to Old Indian Trail, will have significant work completed beginning July of 2022, and
- Township Bridge 2, located on Poplar Crescent East of Pine Tree Court, will have considerable work completed starting November of 2022.

The Director advised that a memo will be provided to the Commission outlining details of proposed work, expected timelines and impacts to vehicular and marine traffic.

Signage on Spit

The Commission discussed putting up 'no littering' signs and updating the 'no wake' and 'Welcome to Lagoon City' signs. The Commission discussed the benefits and drawbacks of installing 'no littering' signs or other ways of reducing garbage on the spit. The discussion also included:

- the rocky outcroppings beyond Talisker and L.C.P.W.C. lands are under federal jurisdiction;
- 'Welcome' sign(s) would need to be requested of the Township and installation would need to be on L.C.P.W.C. lands, and
- Beach Security personnel would not patrol on federal lands.

Deputy Mayor Gough confirmed he will work closely with M.P. Chambers on the impacts of visitor access to federal lands, the litter which accumulates on the same lands, and request for federally-funded dredging in the area.

2022 Harvesting Equipment Purchases

Council and the Commission authorized staff to proceed with the purchase of the harvesting equipment prior to adoption of the budget and delivery will take 30-35 weeks. The cost of the Harvester, Trailer and Conveyor from Aquarius Systems will be \$325,850 U.S. plus required freight, taxes, import and brokerage fees.

NO OVERNIGHT PARKING



Starting November 15, 2021, on-street parking is prohibited on all Township roads between 12:00 a.m. and 7:00 a.m. until April 15, 2022, in accordance with By-law No. 2016.56. We ask that Ramara residents please advise overnight guests of this By-law during winter months.

RAMARA UPDATES



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