



Update on Infrastructure Work

Quinte West and Trent Hills

Trent-Severn Waterway National Historic Site

Since 2015, Government of Canada has announced more than \$600 million of work along the Trent-Severn Waterway National Historic Site that will allow today's visitors, their children, and even their grandchildren, to continue to form their own connections to this special place.

As a part of this historic re-investment, major work is planned to rehabilitate many of the dams, locks, bridges and concrete structures in Quinte West and Trent Hills. Some projects, like the replacement of the Hastings Swing Bridge, are complete. This Fall the Glen Ross Swing Bridge will be significantly rehabilitated, and the Brighton Road Swing Bridge will be replaced.

Significant planning goes into each Parks Canada infrastructure project and that is especially the case for these complex projects that require in-water construction. **Contractors will be onsite at some of the locations listed below in the coming months to conduct inspections, geotechnical investigations, topographical survey work, and bathymetry.** All of this information will be used to develop the final designs of the projects to ensure the best possible outcome.

- Trenton Dam 1 and Lock 1
- Glen Miller Lock 3 and Dam
- Frankford Dam at Lock 6
- Percy Reach Lock 8
- Meyers Lock 9 and Dam
- Hagues Reach Lock 10 and Dam
- Ranney Falls Lock 11/12 and Dam

What's Bathymetry

Bathymetry is the equivalent of topography, but for bodies of water. It measures the depth of the water and creates a mapped image of the bed. Bathymetry studies are conducted for many Parks Canada projects. They can provide information to design a new dam, or even just a coffer dam.

What are Geotechnical Investigations?

Geotechnical work provides important information about the composition and integrity of soils and other materials like concrete, which is used to plan the design of projects and structures. There are many ways of obtaining this information: test pits dug with an excavator, boreholes in earth or rock using drill rig and auger, concrete core sampling with a smaller drill rig or portable system, or even seismic sounding line.

The Trent-Severn Waterway is an historic transportation route from Lake Ontario at the Bay of Quinte to Georgian Bay on Lake Huron, which has evolved into the lakes, locks, rivers and canals that we recognize today. It continues to connect communities and people, and provide opportunities for recreation and economic benefit while also providing habitat for aquatic and terrestrial species.



Workers conduct core sampling on the lock structure at Crowe Bay Lock 14 in April 2017

How to stay informed:

For information about this or other infrastructure projects in your area, please visit www.pc.gc.ca/tswInfrastructure

For questions or concerns, or to receive email updates regarding any of these projects, please contact us at Ont.TrentSevern@pc.gc.ca and include the location that interests you in the subject heading.

Or, stay up-to-date on construction projects, boating activities and events, and general canal-i-pedia by following our social media channels: Twitter @trentsevernnhs or Facebook/trentsevernnhs