



Fire Department

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Notice to Residents in areas prone to flooding along the Otonabee River

Date: January 12, 2023

Message:

The Township of Cavan Monaghan, in conjunction with Trent Severn Waterway and the Otonabee Regional Conservation Authority (ORCA) Flood Warning (see attached), issued January 2023, advises all residents in the Otonabee River area that flooding is occurring or imminent.

We have been advised that current conditions may worsen.

All residents along the Otonabee River in Cavan Monaghan, in low lying and flood prone areas are asked to **take immediate action** for their personal safety and valued property, and to monitor the water levels in their area.

Residents are asked to make arrangements for alternate accommodations for their safety, if and when required.

The Cavan Monaghan Community Emergency Management Coordinator (CEMC) will be monitoring the situation on an on-going basis until the water level subsides.

During flood situations emergency services response, including Police, Fire and EMS, will be significantly affected. Response times may be greatly lengthened and/or service may be inhibited due to flooded roads and lanes.

To obtain current water levels & operations along the Trent-Severn Waterways, please refer to the Trent-Severn Waterway's Water Management InfoNet available at:

- Parks Canada Water Levels
 - <https://www.pc.gc.ca/apps/WaterLevels/?siteId=100419&lat=44.339377&lng=-78.2777104&z=11&ga=2.232489055.1709294891.1673535096-100701026.1673535096>
- Real-Time Hydrometric Data for OTONABEE RIVER NEAR ROBINSONS ISLAND (02HJ010) [ON]
 - <https://www.pc.gc.ca/apps/WaterLevels/?siteId=100419&lat=44.339377&lng=-78.2777104&z=11&ga=2.232489055.1709294891.1673535096-100701026.1673535096>

The ORCA Flood Watch Hotline can be contacted for updates at 705-745-5791, Ext 228.

Message # 2023-01

Issued: 12:30 p.m., Thursday January 5, 2023

Subject: FLOOD WATCH - issued for the Trent-Severn Waterway (i.e., Kawartha Lakes, Otonabee River, Rice Lake and Trent River to Hastings)

Issued to: Municipalities of Selwyn, Douro-Dummer, Asphodel-Norwood, Otonabee-South Monaghan, Cavan Monaghan, City of Kawartha Lakes, City of Peterborough and Trent Hills, and ORCA's other partners in flood emergency management.

This **FLOOD WATCH** is issued to alert municipalities, residents, and businesses that floods are possible.

Due to the warm temperatures, rainfall, and snowmelt across the Trent-Severn Waterway during the holiday season, Parks Canada is managing water through the entire system. As increased flows enter the Kawartha Lakes, water levels will increase and result in potential breakup of ice cover and ice jams. Starting today, the flows on the Otonabee River will be increased to convey the excess water within the system.

The return of cold air temperatures over the next week, in combination with a lack of ice cover and turbulent flows on the Otonabee River may result in the generation of frazil ice which can lead to flooding.

Frazil ice – a kind of slush ice - can form when cold air temperatures and wind chill combine to cause surface water temperature to be super-cooled (i.e., cooled below the freezing point), but the super-cooled water is unable to form a solid cover of ice because of fast moving water. As frazil ice flows downstream, it will eventually come to rest against obstructions (e.g., islands, bridge piers and abutments), in low velocity areas (bends and slope reductions) or in areas of channel constrictions. Where it comes to rest, it will accumulate. Frazil ice may also anchor itself to the bottom of a watercourse and accumulate. Where frazil ice accumulates, it is likely to cause a restriction of water flow downstream, thereby resulting in a rise of water, and possibly flooding, behind the frazil ice jam.

Residents and businesses along the shores of the Otonabee River and Kawartha Lakes, especially those located in low-lying areas, are strongly encouraged to keep a close watch for frazil ice generation, accumulation, and jamming, and to take action to limit or prevent damages due to potential flooding.

Water levels can be monitored on-line at:

- 1) [Trent-Severn Waterway's Water Management InfoNet](#)
- 2) [Water Survey of Canada Real-Time Hydrometric Data](#)
- 3) [Otonabee Region Conservation Authority website/](#)

This **FLOOD WATCH** message will expire **Thursday January 12th, 2023**, unless up-dated earlier.

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