

**TOWNSHIP OF ESSA
CONSENT AGENDA
WEDNESDAY, MARCH 5, 2025**

A – ITEMS RECEIVED AS INFORMATION

- p. 1 1. Essa Public Library January 2025 Report.
- p. 4 2. Essa Public Library CEO Report January 2025.
- p. 5 3. Correspondence from the Town of Parry Sound dated February 21, 2025, re:
 Response to Tariff Threats - Support Canadian Business and Consumers.
- p. 7 4. Board Update from Rural Ontario Municipal Association (ROMA), February 2025.
- p. 10 5. Correspondence from students from Lakehead University, re: Thank You for Your
 Support.
- p. 17 6. Correspondence from the County of Simcoe:
p. 19 a) February 11, 2025 – County Council Highlights
 b) February 26, 2025 - #ITSTARTS With All of Us.
- p. 21 7. Correspondence from the Nottawasaga Valley Conservation Authority (NVCA):
p.105 a) Flood Contingency Plan 2025.
 b) Flood Fact Sheet.

B – ITEMS RECEIVED AND REFERRED TO SERVICE AREA FOR ACTION

None

**C – ITEMS RECEIVED AND REFERRED TO SERVICE AREA FOR REVIEW AND
REPORT TO COUNCIL**

None.



Essa Public Library

November 2024 Report

Prepared by: Emily Nakeff



“ I haven’t been to a library in like, 25 years. After seeing this place, I’m kicking myself.

- New patron

MATERIALS CIRCULATED

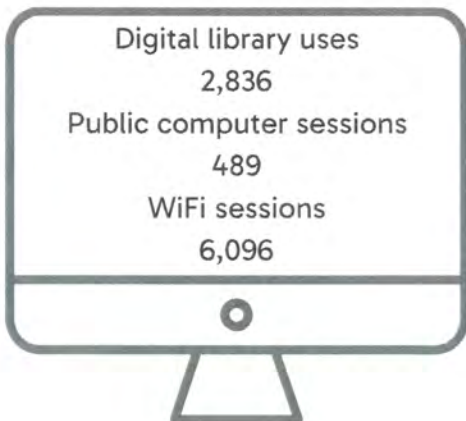
ANGUS	THORNTON
8,285	1,113
77,519 TOTAL IN 2024	

MATERIALS USED IN HOUSE

ANGUS	THORNTON
417	82
4,559 TOTAL IN 2024	

INTERLIBRARY LOANS

11 Items borrowed from other libraries
Service interrupted by Canada Post strike.

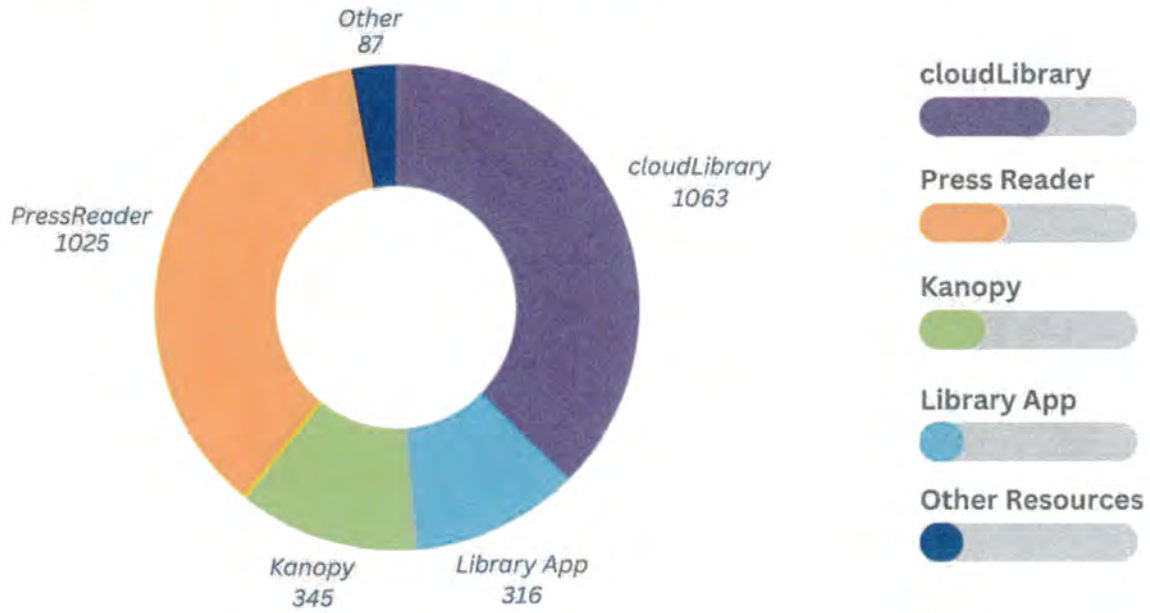


New Memberships

Angus	68
Thornton	5
Year-to-date total	1,117

(November 2023 72)

DIGITAL LIBRARY USES



KIDS

Let's Learn Spanish - AN	8
Parachute Play	10
Tinker Tuesday - AN	37
Wiggles and Giggles - AN	108
Imagination Station - TH	56
Toddler Time - AN	80
Angus Storytime - AN	49
Thornton Storytime - TH	41
Growing Together: Indigenous Storytime - AN	15
Family Play Zone - AN	45
Songs & Stories - AN	8
PA Day Movie - AN	16
PJ Storytime - AN	3
Borden Sparks Visit & Storytime	15

ADULTS

Cercle de Conversation	20
Hobby Circle - AN	9
Writers Group - AN	3
Movie Night for Adults - AN	6
Angus Book Clubs - AN	18
Thornton Book Club	9
Essalicious - AN	75

SENIORS

Seniors Social - AN	40
Seniors Social - TH	35

TEEN PROGRAMS

Movie - AN	4
Workshop: Discover Your Strengths - AN	6
Workshop: Healthy Friendships - TH	3
Perler Beads - AN	1
Braclet Making - AN	2

SOCIAL MEDIA

YouTube - Total Subscribers	919
YouTube - Views	4,949
Facebook - Total Followers	1,834
Instagram - Total Followers	888



Essalicious cooking up cash while teaching students culinary skills

'We start getting asked about it in August, because people want to make sure they can get tickets,' library official says of Nov. 21 event involving Nottawasaga Pines students



Wayne Poys - Local Journalism Initiative Reporter
Nov 13, 2024 10:00 AM



75 ATTENDED	15 COMMUNITY PARTNERS INVOLVED	163 SILENT AUCTION BIDS	\$2,452 RAISED THROUGH TICKET SALES AND SILENT AUCTION
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Essa Public Library
A place to imagine, discover and connect

CEO Report
January 2025

Library Report: prepared by E. Nakeff [10.1]
Manager Report: prepared by G. Newbatt [10.2]

2025-2028 Strategic Plan

Achieved -

Purposeful Fiscal Application goals: prevent dissolution of services; funding for additional Public Engagement Representative hours; and fundraising opportunities in new budget line.

Active -

Modern Library Services goals:

Community requested programs – stained glass workshop released

Invest in Multilingual Resources – Lote4Kids multilingual digital resource featuring children's picture books in a variety of languages.

Community Supports – Simcoe Muskoka District Health Unit, prenatal classes.

Language Opportunities – Partnership for English Conversation Circle with the YMCA in Barrie under discussion.

Continuous Improvement: Public facing TV Screens at the Welcome Desks have been updated with Chromecast library-generated images featuring informative video marketing. A leap forward from the static posters that were previously on display. Dress-up "station" ordered for Angus Kids' Room for some creative and expressive play.

Meetings & Training:

Essa Township Senior Management Team meetings, CEO

Simcoe CEOs Networking meeting, Jan8

Ontario Library Service: Excel Training, Coordinator of Public Engagement

Administrators of Medium Sized Public Libraries in Ontario (AMPLO), CEO Jan13

EPL/NPSS Working Committee meeting January 16

Minutes from Meetings on November 14 and December 18 [10.3]

OLS Policy Development webinar, CEO, Jan 21

Ontario Library Association Super Conference Jan 30-31, CEO & Manager

Monthly Cyber-Security Training via Simcoe County IT

Technology: Phone system was down in both branches December 17 and 18 due to a Bell outage affecting much of Southwestern Ontario. 2025 Computer Replacements ordered, received and installed.

Facility: 2025 Furniture updates/replacement under review for each branch.

Thornton Branch: Some windows need replacing.

Angus Branch: Sidewalks are now being cleared of snow.

Larger Landscape: FOPL released pre-budget information highlighting advocacy work within the province. [10.4]



**The Corporation of The Township of The Archipelago
Council Meeting**

Agenda Number: 16.5.
Resolution Number 25-029
Title: Response to Tariff Threats - Support Canadian Business and Consumers
Date: Friday, February 21, 2025

Moved by: Councillor Manners
Seconded by: Councillor Barton

WHEREAS the Corporation of The Township of The Archipelago (The Archipelago) is a Canadian government entity; and

WHEREAS The Archipelago is committed to fiscal responsibility and prudent management of financial and organizational resources, information databases, and the protection of taxpayer information; and

WHEREAS The Archipelago developed 'guiding principles' for its broadband connectivity project that included 'Canadian solutions first, North American second' in the acquisition of technology and services; and

WHEREAS The Archipelago's projected capital program for 2025 is \$1.5 million; and

WHEREAS all Canadian municipalities have significant purchasing power through capital and infrastructure programs; and

WHEREAS United States President, Donald Trump, issued executive orders to impose tariffs on imports from Canada effective March 12, 2025; and

WHEREAS predatory tariffs by the US government affect all our residents, businesses, and institutions within The Archipelago, the Province of Ontario, and Canada; and

WHEREAS federal, provincial, and municipal leaders are encouraging Canadians to 'buy Canadian'; and

A3

WHEREAS The Archipelago supports Team Canada efforts to stop US tariffs on Canadian goods and services.

NOW THEREFORE BE IT RESOLVED that The Archipelago adopts the following actions:

1. That staff ensure that all municipal data resides within Canada for security and sovereignty interests; and
2. That The Archipelago supports the federal and provincial call to action “Canadian business first” policy in its procurement of capital and infrastructure programs; and
3. That The Archipelago promotes the policy of “Buy Canadian” to encourage the purchase of Canadian goods and services and to support local business in The Archipelago and Parry Sound District; and
4. That all travel to the US for municipal advocacy requires the adoption of a formal position on US tariffs by The Archipelago; and
5. That Staff prepare a Council tariff position and policy for Council approval.
6. That The Archipelago participate in the Parry Sound Chamber of Commerce survey of businesses on the impact of tariffs and support, where possible, actions that follow.

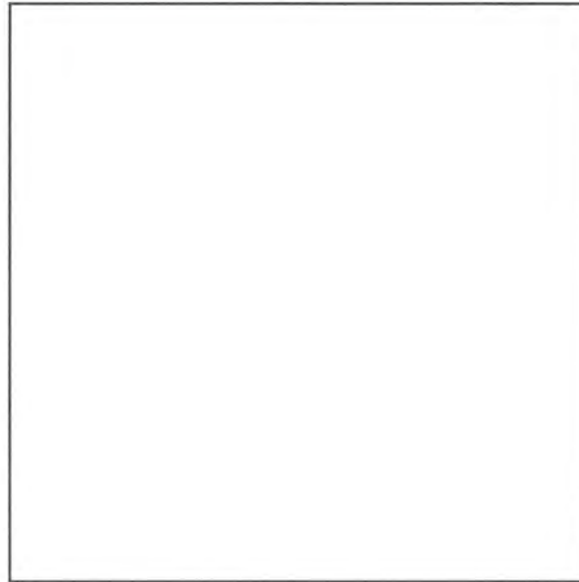
FURTHER BE IT RESOLVED that this resolution be forwarded to: Prime Minister Justin Trudeau, Premier Doug Ford, MP Scott Aitchison – Parry Sound Muskoka, MPP Graydon Smith – Parry Sound Muskoka, Mayors of Parry Sound District Municipalities, Chief Adam Pawis - Shawanaga First Nation, Chief Warren Tabobondung - Wasauksing First Nation, Chief M. Wayne McQuabbie - Henvey Inlet First Nation, Association of Municipalities of Ontario, all Ontario municipalities, Rural Ontario Municipal Association, The Federation of Northern Ontario Municipalities, the Federation of Canadian Municipalities, and community associations in The Archipelago.

Carried

Sarah Corbett

Subject:

FW: February ROMA Board Update: Conference wrap-up, pre-election work, and more



ROMA Board Update February 2025

2025 ROMA Conference wrap-up

At their first meeting since the January ROMA Conference held in Toronto, the Board heard that ROMA 2025 broke attendance records and received high marks in post-conference evaluations. Final numbers indicate that 2,000 attendees from across Ontario traveled for the event. All conference feedback is reviewed by staff and considered for next year's event.

The Government of Ontario held a total of 574 delegation meetings in response to 763 requests. These meetings help communities engage on local matters with provincial leaders. They help municipal leaders introduce their priorities, opening the door to further local advocacy.

The ROMA Board sat face to face with provincial leaders, including the Minister of Municipal Affairs and Housing Paul Calandra, Minister of Rural Affairs Lisa Thompson, Minister of Health Sylvia Jones, and Parliamentary Assistant to the Minister of Infrastructure, to discuss shared concerns of rural municipal governments, including:

- Responding to the unique and growing challenges of homelessness in rural communities
- Making sure smaller municipalities can access the infrastructure funding needed to build more homes in their communities

- Improving access to both primary and hospital care for rural Ontarians in their communities

ROMA seeks to foster relationships with the provincial government through participation of ministers, who periodically attend ROMA Board meetings.

Trade and Tariffs - Pre-Election Strategy

The conference coincided with the inauguration of US President Trump and the threat of tariffs loomed large. In the week following the Conference, Ontario Premier Doug Ford called a provincial election amid trade and tariff talk.

Despite this overlap, municipal leaders remain focused on local issues with awareness that municipal challenges need to be addressed with even greater urgency in the face of geopolitical and economic uncertainty.

The board continues to support AMO's sector-wide, non-partisan provincial election campaign aimed at putting municipal issues at the forefront of the election, recognizing that crises in homelessness and housing are the result of decades of decisions by political parties of all stripes. Learn more about the [campaign](#) and follow AMO's pre-election tracking of [party platform commitments](#) on the AMO website.

Supporting municipal sector peers

ROMA is committed to fostering a strong, unified municipal sector. The Board agreed to continue their sponsorship of upcoming municipal sister associations conferences.

LAS Continues Work on Solutions for Small Rural Water and Wastewater Systems

LAS, AMO's Business Services arm, has published a feasibility study on creating municipal services corporations for water and wastewater systems. A panel of municipal experts explored whether MSCs could be a new way to finance infrastructure and other cost pressures on smaller municipal water/wastewater systems.

The Board supported LAS' next step of developing a business case with interested municipalities to determine the viability of the proposed model and next steps.

Get to know your ROMA Board

- **Zone 1** – Jamie McGrail, Councillor, Municipality of Chatham-Kent
- **Zone 2** – Steve McCabe, Councillor, Township of Wellington North
- **Zone 3** – Dave Beres, Deputy Mayor, Town of Tillsonburg
- **Zone 4** – Christina Early, Councillor, Town of Caledon
- **Zone 5** – Pam Sayne, Councillor, Township of Minden Hills
- **Zone 6** – Jennifer Murphy, Councillor, County of Renfrew
- **Zone 7** – Carma Williams, Deputy Mayor, Township of North Glengarry
- **Zone 8** – Christa Lowry, Mayor, Municipality of Mississippi Mills* ROMA Chair
- **Zone 9** – Mark Wilson, Councillor, City of Temiskaming Shores
- **Zone 10** – Janet Hager, Councillor, Municipality of Red Lake

AMO Rural Caucus Members

- Nicole Martin, CAO, Township of Amaranth
- Dane Nielsen, Deputy Mayor, Municipality of Grey Highlands
- Natasha Salonen, Mayor, Township of Wilmot
- Nathan Townend, Deputy Warden, County of Lennox & Addington
- Tanya Vrebosch, Councillor, City of North Bay

Follow ROMA on [Facebook](#) and [LinkedIn](#) for regular Board updates.

Keep up to date with the rural municipal voice
of the province, on social media.



Wish to Opt Out of ROMA Communications | [Opt Out](#)

155 University Ave Suite 800 | Toronto, ON M5H 3B7 CA

This email was sent to lehr@essatownship.on.ca.
To continue receiving our emails, add us to your address book.

[EXTERNAL]

LAKEHEAD ORILLIA

SIMCOE COUNTY'S UNIVERSITY



Grow with us! Sign up to receive the latest news about Orillia Campus expansion plans by email.

Lakehead University, 500 University Ave, Orillia, ON
(705) 330-4010 | lakeheadu.ca



▲ Artist rendering of the Orillia Expansion | Photo credit: Urban Strategies Inc. 2024

A5

Mayor MacDonald, Smith,
Deputy Mayor and Councillors of
Essex:

Thank You

Gillian Sillke

Linda Rodenburg.

Students like me, but also helps to drive local research and community involvement.

The support from Essa township means a lot to me and many others who rely on access to education, community programs and opportunities to grow and give back to our community. I feel privileged to be able to contribute my knowledge and skills to the county that has given me so much.

Thank you for your continued support to students and institutions like Lakehead University. It truly makes a difference, and strengthens the connection between education and community.
Cheyenne Simpson, 4th year, Environmental Sustainability, Essa.

My name is Cheyenne Simpson, and I am a 4th year Environmental Sustainability student at Lakehead University. I have called Simcoe County home for my entire life, and it has shaped who I am today. The beautiful landscape, rich biodiversity, and sense of community here have inspired my passion for environmental stewardship and sustainability. Having Lakehead University in Simcoe County has been an incredible opportunity for me. Being able to pursue a high quality education close to home has allowed me to stay connected to the place I love while preparing for a career dedicated to preserving it. The presence of a University in our region is not only a great benefit for

- Jackson Arcan
- Bachelor of Education
- Year 1
- Thornton Ontario

Thank you so much for your contributions and support!

John

Dear Essa Township,
Thank you so much for contributing to my education in so many amazing ways. From speeches at the Legion when I was in elementary school, all the way to now, currently pursuing a career as a lawyer. This township has been here the whole way!

Elyssa de Melo-Clem
Angus, Ontario
Essa Township
First Year - Criminology

AS

I recently moved to Essa township in order to be closer to Orillia for the Bachelor of Ed 1/S program. I have lived in Angus for a few months, renting with family, and have fallen in love with the community. Having access to this program in my county allowed me to follow my dream of becoming an educator while also working within my economic means and familial obligations.

AS
Thank you for your support - it truly does impact the lives of students and their fut

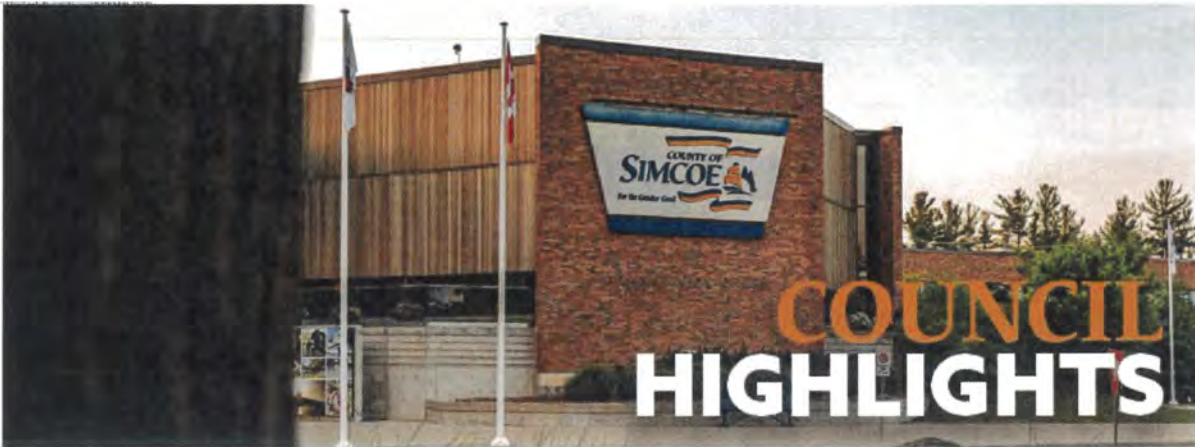
Melissa Cloutier
Bachelor of Education
Intermediate / Senior
Essa
Year 1

13

AS
Thank you for your efforts to support Lakehead Orillia. When I decided to go back to school to become a teacher, Lakehead Orillia was the only school I applied to. As an (almost) lifelong resident of Essa Township, I simply would not have been able to make this decision if I had to travel far or move away. Having a university ~~so~~ close by is invaluable to this community. It also allows me to network and build connections as many professors have taught in the Board I would like to teach in. Thank you for continuing to support higher education in Simcoe County. - Katie

Subject:

FW: County Council Highlights - Meeting Held February 11, 2025



Council Highlights are intended to provide a summary of Council proceedings only. The information contained within the Highlights is based on approved material from within the associated agenda packages, linked at the bottom. These reports were part of the agendas from the **Council Meeting on February 11 and Committee of the Whole Meeting on January 28, 2025**. For more information on any item covered in the Highlights, each article is hyperlinked to the appropriate report, which can be accessed by clicking on the title. Images are also linked to relevant resources.

A recording of these sessions is also available for public viewing on the [County's YouTube channel](#).

- Service Simcoe

Alba

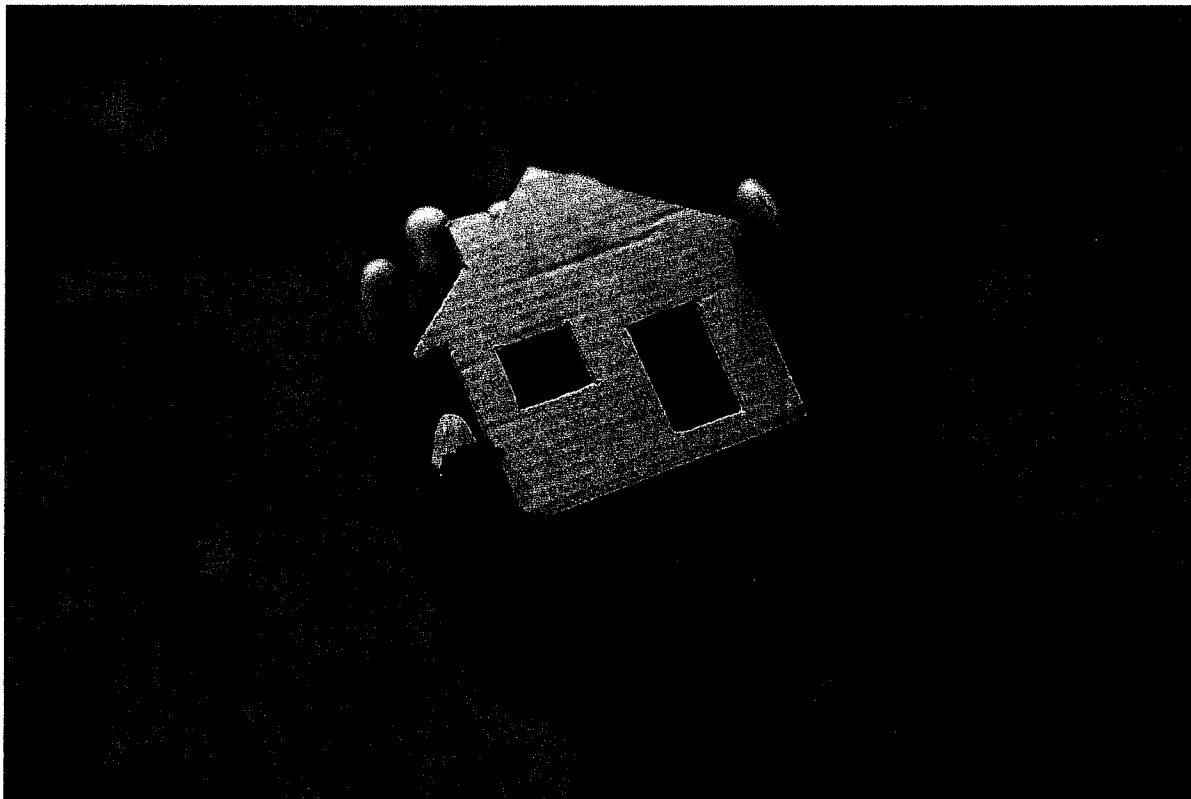


Simcoe County Housing Corporation Affordable Housing Developments Update

Updates on the prioritized affordable housing projects identified in the Simcoe County Housing (SCHC) Affordable Housing Development Master Plan to be implemented and/or initiated in 2024-25.

Staff provided updates and recommendations on the development at 20 Rose Street in Barrie, the SCHC Urban Native secondary suites in Midland and Penetanguishene, developments on Birch Street in Collingwood, and 810 Bay Street and 837 Montreal Street in Midland.

To view the full report, please click [here](#).



2025-2026 Municipal Homelessness Funding & Provincial Homelessness Prevention Funding Allocations

The County received approval for the 2025-2026 Municipal Homelessness Funding and Provincial Homelessness Prevention Program (HPP) funding allocations, totaling \$22,592,679.

This funding will support a coordinated, integrated system of homelessness prevention services that are people-centered, evidence-informed, and outcome-based. The allocations aim to address chronic homelessness, youth homelessness, Indigenous homelessness, and support individuals exiting public institutions.

To view the full report, please click [here](#).

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Reaching Home – 2025-2026 Funding Allocations & 2024-2028 Community Plan

The County of Simcoe, as the Community Entity (CE) for the Reaching Home (RH) Funding Program, received approval for the 2025-2026 funding allocations and the 2024-2028 Community Plan.

The proposed allocations and plan aim to support homelessness prevention services and align with the National Housing Strategy's goals. The County received additional federal investments, increasing the RH funding to \$18,240,426 for 2024-2028.

To view the full report, please click [here](#).



County To Host Statutory Public Meeting About Council Composition, Head of Council

The County is hosting a public meeting on Tuesday, March 11, 2025, at 10 a.m. in the Council Chamber at the Simcoe County Administration Centre to provide the public and stakeholders with an opportunity to provide feedback on a proposed by-law to change the composition of County Council and the appointment of the Head of Council (Warden position).

Learn more details, including how to register, by clicking [here](#).

Committee of the Whole Agenda - January 28, 2025

Council Agenda - February 11, 2025

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FOR IMMEDIATE RELEASE



#ITSTARTS with all of us!

Midhurst/February 26, 2025 – Kicking off ITSTARTS month across the County of Simcoe, Warden Basil Clarke, Deputy Warden Jennifer Coughlin, and County Council gathered at the Administration Centre in Midhurst yesterday to raise the #ITSTARTS flag, launching an inspiring month of multicultural celebration and community connection. This annual tradition, now marking its ninth year, continues to champion inclusion, acceptance, and equity across our diverse region.

"During ITSTARTS month each year we celebrate our growing multicultural community, which now includes more than 82,000 immigrants who enrich Simcoe County in countless ways," shared Warden Basil Clarke. "Through our Local Immigration Partnership's ongoing commitment, we're building up welcoming and supportive communities where everyone can thrive together."

The #ITSTARTS campaign has blossomed into a grassroots success story, bringing positive change through innovative community engagement. Building on nearly a decade of achievement, the initiative launched its annual Diversity Ambassador Training sessions in January and February 2024, empowering experienced ambassadors to create even greater impact.

With the first #ITSTARTS flag raised in the County for 2025, these powerful symbols of unity will once again fly proudly at municipal offices and community buildings throughout March in Simcoe County, representing our shared commitment to diversity and inclusion.

ITSTARTS with all of us!

The campaign runs every year during the month of March. Residents, businesses, and local organizations can get involved in the campaign by:

1. Request cards from the Local Immigration Partnership (sclip@simcoe.ca). Multilingual digital copies are available for download on this webpage below.
2. Share your message on social media using the hashtag #ITSTARTS and tagging the County of Simcoe:
 - X / Twitter – @simcoecounty
 - Facebook – @CountyofSimcoe
 - Instagram – @countyofsimcoe
 - LinkedIn – @CountyofSimcoe

Posts may include campaign cards, #ITSTARTS selfie frames, or content related to equity, diversity, inclusion, and accessibility. All posts promoting unified communities are welcome!

Abb

3. Perform acts of inclusivity within your sphere of influence (i.e. book or film club, multicultural celebrations).
4. Join the Simcoe County Diversity Hub for additional resources. Contact sclip@simcoe.ca for access.

About the Simcoe County Local Immigration Partnership

The [Simcoe County Local Immigration Partnership \(SCLIP\)](#) was established in 2011 and leads community-based planning intended to improve social and economic outcomes for immigrant residents. SCLIP is funded in-part by Immigration, Refugees, Citizenship Canada (IRCC). In 2023, the Simcoe County Local Immigration Partnership published a new [Community Settlement Strategy](#) with recommendations to support the development of welcoming communities.

Together, we're building a more inclusive Simcoe County—one conversation at a time.

About the County of Simcoe

County of Simcoe is composed of sixteen member municipalities and provides crucial public services to County residents in addition to providing paramedic and social services to the separated cities of Barrie and Orillia. Visit our website at simcoe.ca.

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Nottawasaga Valley Conservation Authority

Flood Contingency Plan 2025

A guide for municipalities, emergency services
and other partners

A7a

**Nottawasaga Valley
Conservation Authority**

8195 8th Line
Utopia, ON, L0M 1T0

Tel: 705-424-1479

Fax: 705-424-2115

Email: admin@nvca.on.ca

Web: www.nvca.on.ca

Alternative Formats - If you require this document in a different format please contact NVCA at 705-424-1479 or admin@nvca.on.ca.

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1.0 Introduction

The responsibility for dealing with flood contingency planning in Ontario is shared by municipalities, Conservation Authorities (CAs) and the Ministry of Natural Resources (MNR), on behalf of the province. As with all emergencies, municipalities have the primary responsibility for the welfare of residents and should incorporate flood emergency response into municipal emergency planning. The Ministry of Natural Resources and the Conservation Authorities are primarily responsible for operating a forecasting and warning system, and the province may coordinate a response in support of municipal action.

The Conservation Authorities of the Greater Toronto Area (GTA) all operate a Flood Forecasting and Warning Program for the municipalities and residents within their respective jurisdictions and watersheds, including the shoreline of Lake Ontario, Lake Simcoe and Georgian Bay. The purpose of the program services is to reduce risk to life and damage to property by providing local agencies and the public with notice, information and advice so that they can respond to potential flooding and flood emergencies.

This Flood Contingency Plan is intended for all local and regional municipality officials and agency staff likely to play a role in the prevention, mitigation, preparedness, response and recovery pertaining to flood events. This version of the Flood Contingency Plan provides general information on the Flood Forecasting and Warning program for each GTA Conservation Authority, as well as specific information and contacts for municipalities within NVCA's jurisdiction.

The Conservation Authorities of the Greater Toronto Area include Conservation Halton (HC), Credit Valley Conservation (CVC), Toronto and Region Conservation Authority (TRCA), Lake Simcoe Region Conservation Authority (LSRCA), Central Lake Ontario Conservation Authority (CLOCA), Ganaraska Region Conservation Authority (GRCA), Nottawasaga Valley Conservation Authority (NVCA) and Kawartha Conservation (KC). **Figure 1** illustrates the jurisdiction of each GTA Conservation Authority.

Conservation Authorities Act

Conservation authorities are governed by the *Conservation Authorities Act*, which is administered by the Ministry of Natural Resources. The *Conservation Authorities Act* was originally enacted in 1946, as conservation authorities began to be established, and has undergone amendments since that time, with the most recent significant amendments occurring in 2021.

Specifically in the Act, is Ontario Regulation 686/21 Mandatory Programs and Services, that identifies the specific services to be provided by conservation authorities regarding flood forecasting and warning, as cited below.

Flood forecasting and warning

2. (1) An authority shall provide programs and services to support its functions and responsibilities related to flood forecasting and warning as set out in subsection (2).

(2) The authority's functions and responsibilities with respect to flood forecasting and warning mentioned in subsection (1) are the following:

- 1. Maintaining information on surface water hydrology and the areas within the authority's area of jurisdiction that are vulnerable to flooding events.*
- 2. Developing operating procedures for flood forecasting and warning, including flood contingency procedures to ensure continuity of an authority's operations in respect of flood forecasting and warning.*
- 3. Maintaining a stream flow monitoring network that, at a minimum, includes stream flow gauges available as part of the provincial-federal hydrometric network and, where the authority considers it advisable, includes additional local stream flow gauges.*
- 4. Monitoring of weather and climate information, snow surveys and observed water levels and flows utilizing local, provincial and federal data sources.*
- 5. Analysis of local surface water hydrologic conditions related to flood potential and risk, including flood forecasting, to understand and quantify the response and potential impacts within watersheds to specific events and conditions.*
- 6. Communications to inform persons and bodies that the authority considers advisable of the potential or actual impact of flood events in a timely manner.*
- 7. Provision of ongoing information and advice to persons and bodies mentioned in paragraph 6 to support,*
 - i. emergency and flood operations during a flood event, and*
 - ii. documentation of flood events.*

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Figure 1: GTA Conservation Authorities



Emergency Management and Civil Protection Act

The overall legal framework for emergency management in Ontario is addressed primarily within the *Emergency Management and Civil Protection Act* (EMCPA, 2006), which sets out requirements for the development, implementation and maintenance of municipal and ministry emergency management programs. These comprehensive emergency management programs are based on the five principles of emergency management: prevention, mitigation, preparedness, response, and recovery. All municipalities and provincial ministries must have an emergency management program, as well as an emergency management plan, according to their respective hazard identification and risk assessment (HIRA) as set out in the EMCPA. The overall purpose of the Act is to provide for emergency management to safeguard the health, safety, welfare and property of the people of Ontario, to facilitate coordination as part of emergency management, and to provide for emergency powers.

While the Ministry of Natural Resources is the provincial lead for flood emergencies, which includes flood forecasting and warning as well as flood control operations, flood emergency management responsibilities are also assigned to municipalities, as set out in the EMCPA. Where a Conservation Authority exists, the province relies on the Conservation Authority to assist them in their assigned responsibilities for flooding, as described in the MNR's *Ministry Emergency Response Plan* (MERP) and the *Conservation Authorities Act*, O. Reg. 686/21.

NVCA's Flood Forecasting and Warning program provides vital service to our municipal partners within its jurisdiction to ensure that the flood aspects of the municipality EMCPA components are met.

2.0 Roles and Responsibilities of Agencies

2.1 Municipal Role

*Under the Emergency Management and Civil Protection Act (Ontario Regulation 380/04), the province of Ontario and municipalities have the primary responsibility and authority for providing emergency management to protect the health, safety, welfare and property of the people of Ontario, under any type of emergency, including flooding and flood emergencies. In order to fulfill this responsibility, municipalities should ensure that emergency management plans are kept current and tested on a regular basis. **Figure 2** illustrates the interaction of agencies.*

Upon receiving a Watershed Conditions Statement, Flood Watch or Flood Warning municipalities shall:

1. Notify appropriate municipal officials, departments and agencies in accordance with their municipal emergency management plan. Municipalities are also responsible for sharing these messages and issuing warnings to residents and businesses that may be at risk due to flooding.
2. Determine the appropriate response to a flood threat and, if warranted, deploy municipal resources to protect life and property.
3. If required, declare a flood emergency and implement their Emergency Procedures Plan.
4. Request provincial assistance under the *Emergency Management & Civil Protection Act* (2006) if municipal resources are inadequate to respond to the emergency.
5. Maintain liaison with conservation authority flood coordinators.

2.2 Conservation Authority Role

Conservation authorities have several areas of responsibility for flooding and flood emergencies:

1. Support municipal flood emergency planning by providing technical advice pertaining to flood risk (e.g., hydrology, hydraulics, flood vulnerable areas, etc.) and where applicable, engage in flood mitigation projects to reduce flood risk prior to flood events.
2. Maintain a local monitoring network, collect data, and monitor watershed and weather conditions daily in order to provide timely warning of anticipated or actual flood conditions (i.e., operate a flood forecasting and warning system). Provide updated current and forecasted local watershed conditions and flood potential, as well as other supporting technical or advisory data pertaining to flood conditions under their jurisdiction, to member municipalities during an event.
3. Issue flood messages to municipalities and other appropriate agencies within their jurisdiction, including the media and the public, to advise of potential flooding when appropriate, as per respective flood message distribution lists.
4. Monitor and operate Conservation Authority dams and flood control structures in accordance with established operating plans, to reduce the effects of flooding when appropriate.
5. Maintain communications with municipalities and the MNR Surface Water Monitoring Centre during a flood event.

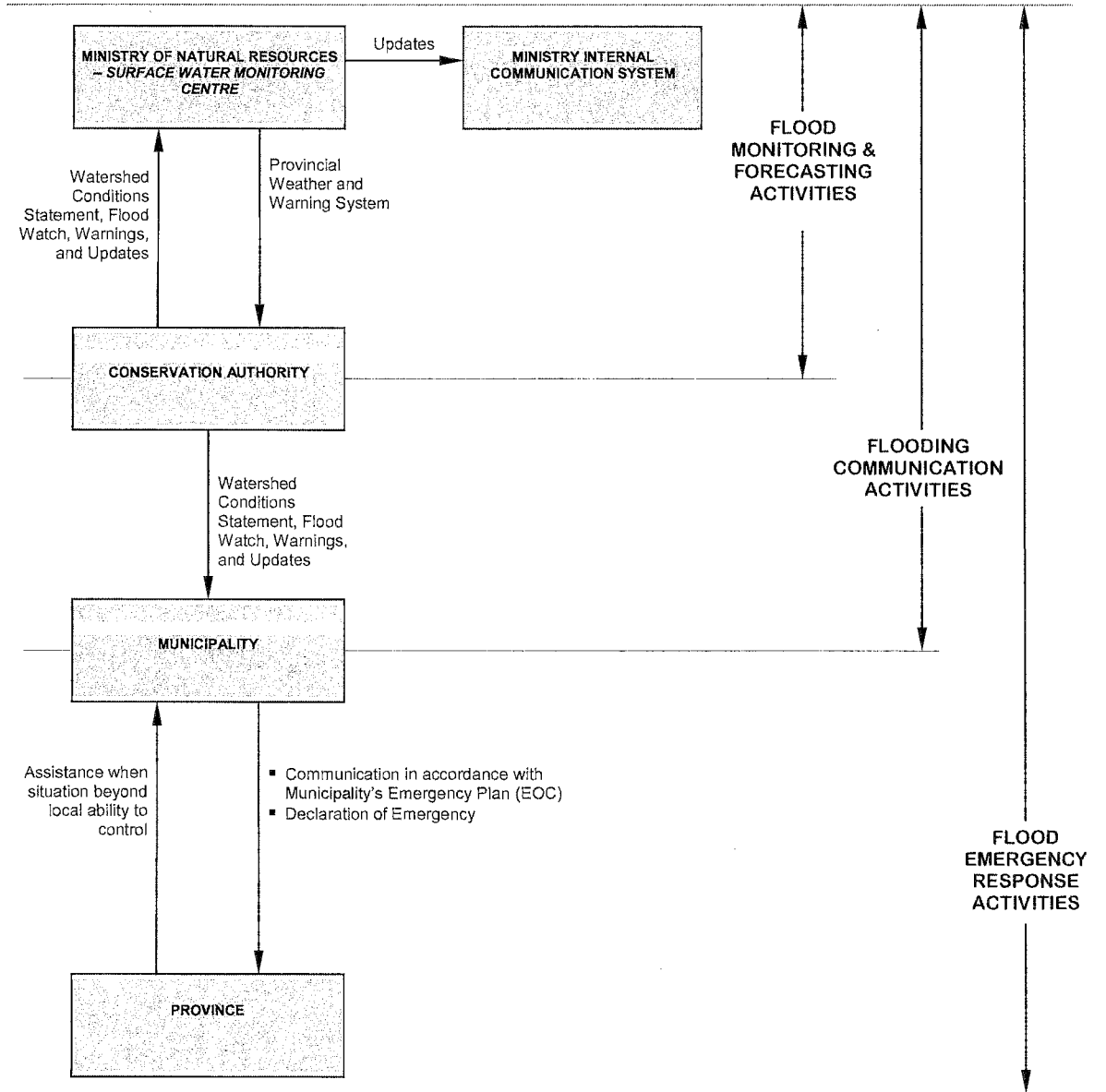
2.3 Provincial Role (Surface Water Monitoring Centre)

1. Operate and maintain a provincial data management system for hydro-meteorological data and monitor observed water levels and flows across the province.
2. Provide analysis and knowledge of the watershed conditions, as well as daily flood potential by disseminating information from models and tools across the province.
3. Receive flood messages from CAs, MNR Districts and other agencies and provide analysis and information that is used to guide the MNR's response to a flood.
4. Issue standard provincial flood messages to CAs and MNR Districts and maintain the Ontario Flood Page with active provincial and local scale flood messages.
5. Maintain communications with the provincial ministries regarding province-wide flood potential and watershed conditions, as well as situational awareness information related to water levels and flows.

Assists the MNR Districts located outside of CA jurisdiction in the preparation of river response forecasts, daily planning cycles, and the monitoring of local storm conditions

2.4 Interaction of Agencies – Overview

Figure 2.0: Interactions of Agencies



3.0 Flood Messages

A flood is defined as a situation where water levels in a watercourse exceed the channel banks. Each Conservation Authority operates a flood forecasting and warning program that monitors weather forecasts and watershed conditions on a continuous basis when conditions warrant. However, a Flood Duty Officer is accessible 24/7 during all weather and watershed conditions. The weather and watershed information is used to assess the potential for flooding. When spring melt or severe storms are anticipated, the Conservation Authority estimates the severity, general location, and approximate timing of possible flooding, and provides these forecasts to local agencies.

When conditions warrant, Conservation Authorities will communicate with local agencies using one of the following types of flood messages for river or shoreline-based flooding (Appendices A and B provide additional details):

Conditions Statements, Flood Watch, or Flood

Warning. The standard content of a flood message includes:

- Identification of sender (Conservation and name of Flood Duty Officer)
- The date and time of issuance
- General recipient list
- Summary of weather forecast (expected precipitation, temperature, timing, etc.)
- Description of potential flood magnitude, a general assessment of flooding implications, identification of potentially unsafe areas, or early notice of the potential for flooding
- Any recommended actions that should be considered by recipients
- Effective dates for the flood message and/or the date and time of next update
- Conservation Authority contact for additional information



Authority

Also, the Surface Water Monitoring Centre (SWMC) of the MNR provides continual weather monitoring and forecasting, as well as performs a daily (or more frequent if required) provincial flood hazard identification risk assessment for Ontario as part of their Provincial Warning System. SWMC will issue a flood message when weather and watershed/shoreline conditions warrant for Ontario. The SWMC flood messages are distributed to MNR districts (both districts with and without CAs), MNR Internal as well as other key agencies and CAs.

SWMC flood messages include information about the type of message being issued (i.e. Watershed Conditions Statement), the weather situation and potential risks as well as noting the affected districts, CAs. SWMC flood messages also identify the flood messages already issued by any of the CAs.

The SWMC also maintains the Provincial Warning System to alert MNR Districts and Conservation Authorities of potential meteorological events that could create a flood hazard.

3.1 Watershed Conditions Statement

A Watershed Conditions Statement is a general notice of weather conditions that could pose a risk to personal safety or which have the potential to lead to flooding. There are two types of Watershed Conditions Statements:

- a. **Water Safety** - high flows, unsafe banks, melting ice or other factors could be dangerous for recreational users; flooding not expected.
- b. **Flood Outlook** - early notice of the potential for flooding based on weather forecast of heavy rain, snowmelt, high wind or other conditions that could lead to high runoff, ice jams, shoreline flooding or erosion.

3.2 Flood Watch

A Flood Watch is defined as a notice of the potential for flooding in specific watercourses and municipalities in the near future.

The Flood Watch is based upon information received by the conservation authority's weather monitoring systems, and is intended to provide notice to municipalities and emergency services that stream conditions and forecasted weather are expected to produce flooding. Municipalities should take measures to prepare for a possible emergency. Flood bulletins may be updated depending upon weather and runoff conditions, and will be followed by a notice of cancellation once the potential for flooding has passed.

The standard content of a Flood Watch includes:

- the date and time of issuance;
- identification of sender (conservation authority and person);
- recipient list;
- summary of weather forecast;
- description of potential flood magnitude (see Appendix general assessment of flooding implications, including sites and issues (e.g., ice jamming), if relevant);
- date and time of next update; and
- conservation authority contact for additional information (including adjacent conservation authorities when applicable).



to occur

services produce



A) and a specific

3.3 Flood Warning

A Flood Warning is defined as a notice that flooding which damaging to human lives or property is imminent or occurring watercourses or municipalities.

The Flood Warning is based upon information received by the conservation authority's weather monitoring systems, and is intended to provide notice to municipalities and emergency services that action is required on their part. Flood Warnings may be updated depending upon weather and runoff conditions, and will be followed by a notice of cancellation once the potential for flooding has passed.

The standard content of a Flood Warning includes:

- the date and time of issuance;
- identification of sender (conservation authority and person);



could be in specific

- recipient list;
- summary of weather forecast;
- description of potential flood magnitude (see Appendix A) and a general assessment of flooding implications;
- specific information regarding the magnitude and timing of the forecasted flooding, and the locations of anticipated problem areas;
- date and time of next update; and
- conservation authority contact for additional information (including adjacent conservation authorities when applicable).

3.4 Lake Ontario & Georgian Bay Shoreline Hazard Warning

A Lake Ontario & Georgian Bay Shoreline Hazard Warning is defined as a notice that critical high-water levels and waves are imminent and/or occurring, which could result in shoreline flooding and/or erosion. This warning shall be issued to the municipalities and emergency services. The following table outlines the criteria used to determine critical high-water levels and wave heights.

Table 1: Critical Water Levels and Wave Heights for Lake Ontario & Georgian Bay

Section	Critical Water Levels (cm above chart datum, IGLD, 1985)	Wave height (metres)
Niagara Region – Stoney Creek	160 cm	>1.5 m
Stoney Creek – Burlington	130 cm	>2.0 m
Oakville – Port Credit	170 cm	>2.0 m
Whitby – Bowmanville	170 cm	>2.0 m
Port Hope	160 cm	>2.0 m
Port Hope – Presqu'île	170 cm	>2.0 m
Prince Edward County	170 cm	>2.0 m
Georgian Bay –Collingwood / Wasaga Beach	130 cm	>1.0m

Notes:

- Shoreline Hazard Warnings for the Hamilton/Burlington Beach strip of Lake Ontario are issued if either critical water levels or wave criteria are met.
- Wave criteria apply only when Lake Ontario's calm water level is 90 cm above chart datum, IGLD 1985.
- IGLD (International Great Lakes Datum) is the elevation reference system used to define water levels within the Great Lakes - St. Lawrence River system because of movement of the earth's crust. The reference system is adjusted every 25-35 years.

Forecasted wind velocities are also used to predict potential shoreline flooding/erosion problems. The following chart displays the various terminologies and units usually used to describe wind velocity.

Table 2: Wind Velocity Descriptions

Wind Speed	knots (kts)	miles/hour (mph)	kilometres/hour (km/h)
Light	1-14	1-16	1-26
Moderate	15-19	17-22	28-35
Strong	20-33	34-47	39-54
Gale	34-47	39-54	63-87
Storm	48-63	55-73	89-117

The following terms are also used when describing wind velocities and their influence on critical wave heights.

- **Wind Direction** - the direction from which the wind is blowing
- **Wind Setup** - the vertical rise above normal water level on the leeward site of a body of water caused by wind stresses on the surface of the water
- **Leeward** - the direction toward which the wind is blowing, the direction toward which waves are travelling
- **Wave Height** - the amplitude measured from wave trough to wave crest, for offshore areas, outside the breaker line

3.5 Coordinating Issuance of Flood Bulletins

Conservation Authorities utilize an array of technologies to disseminate flood messages. The GTA CAs will issue flood messages with various methods such as, but not limited to; a web-based e-mail service, text messages, Twitter, RSS feed, as well as website technologies and online social media platforms. Messages are sent to designated individuals within municipalities and other local agencies. These individuals, in turn, are responsible for relaying the message to relevant individuals and departments within their organizations and activating their role as defined by their organization's Emergency Response Plan.

Conservation Authority jurisdictions are based on watershed boundaries, not regional or municipal boundaries. Therefore, in many areas, local governments may be serviced by two or more Conservation Authorities. To streamline and coordinate communication with local agencies, a primary Conservation Authority has been assigned for each region and municipality. The remaining CAs within the municipality are assigned as Secondary

CAs for that municipality. Both the primary and secondary CAs are responsible for issuing flood messages (Conditions Statements, Flood Watches, and Flood Warnings) directly to the municipality/agency through the established designated contacts. The messages issued by each conservation authority are specific to the watersheds under their jurisdiction. During extreme weather events, when resources are stretched, the designated primary CA for each region and municipality will be responsible for direct communication and will coordinate incoming information from all relevant CAs to their primary region/municipality. Please see section

4.1 on the staffing of municipal Emergency Operations Centres.

During most storm events, municipalities, local agencies, and residents requiring information or assistance should contact the local Conservation Authority having jurisdiction for the area of interest. Appendix C displays the primary and secondary Conservation Authorities for each municipality in the GTA.

. See Appendix C for a list of the principal conservation authorities for each municipality in the GTA.

4.0 Flood Response Procedures

As previously mentioned, during an actual flood event the primary responsibility for the welfare of residents and protection of property rests with the municipality. Upon receiving a flood message, municipalities should monitor their local conditions and determine the appropriate actions, which may include activating their Emergency Response Plan.

Where a flood emergency is beyond the capacity of a municipality, provincial assistance can be requested in accordance with the municipality's Emergency Response Plan.

Conservation Authorities will provide updated information as well as technical advice on flood monitoring and where the CA has capacity, flood mitigation to partner municipalities and local agencies before, during and after a flood event. These actions support our municipal partners and assist in achieving standardized response goals, which include:

- Provide for the safety and health of responders
- Save lives
- Reduce suffering
- Protect public health
- Protect government infrastructure
- Protect property
- Protect the environment, and
- Reduce economic and social losses

During the emergency, the Conservation Authority representative will continue to advise the MNR Surface Water Monitoring Centre of the status of the situation. The Surface Water Monitoring Centre will be responsible for updating and relaying information related to the emergency to MNR district offices.

4.1 Procedures for Communications and Operations Related to Regional/Municipal Emergency Operation Centres

Through its *Emergency Management and Civil Protection Act* legislation, the Province of Ontario requires all municipalities (as the lead agency defined in terms of responding to an emergency) to have valid emergency plans and procedures in place. To accomplish this, each municipality will have plans, procedures and staffing dedicated to this activity. One component of this requirement is the need to have a defined Emergency Operations Centre (EOC) where municipal activities can be undertaken in the event of an emergency. Within most municipalities, the risk of flooding has or will be defined as one of the types of risks that would likely occur. As such, there is a need to define how conservation authorities will continue to provide advice and information to municipalities to allow for effective emergency management during flooding events.

Under normal flooding operations where there is not a defined need to enact the municipal emergency response process, each conservation authority will provide information as requested by their local municipalities. However, in the event of a major flooding event, which would create the situation where the municipal emergency plans would require

activation, the conservation authorities have recognized an issue related to providing adequate staff support to this process. To address this issue, the following procedure has been defined. (To ensure the effectiveness of this procedure, each conservation authority should develop a working relationship with the municipal emergency response officials for each area where they are the lead authority.)

Under the protocols related to principal conservation authorities as defined within this document (Appendix C), a key role of the lead conservation authority relates to providing staff to co-ordinate flood related information and advice to municipal and/or regional EOCs to facilitate their flood response activities.

As several conservation authorities may manage watercourses within the jurisdiction of an individual municipal and/or regional government, the lead conservation authority staff assigned to attend the EOC will be required to provide advice on watersheds which would not be within their normal watershed area. To ensure that this system of information co-ordination and sharing proceeds in a seamless manor, the following procedures are to be in effect during those occurrences.

1. The lead conservation authority will be responsible to co-ordinate communications with their assigned municipal and/or regional emergency preparedness staff. They will discuss the need to begin the emergency response process and whether a need exists for the municipal and/or regional EOC group to assemble. The decision to assemble the Emergency Control Group is determined by the municipal and/or regional emergency preparedness staff, and will be based upon the degree of flood threat that may be affecting the municipality and/or region.
2. The lead conservation authority will assemble and forward of all appropriate conservation authority (both principal and secondary) communications (flood messages) to municipal and/or regional emergency staff and when opened, to the municipal and/or regional EOC.
3. The lead conservation authority will co-ordinate with surrounding secondary conservation authorities to develop and schedule telephone conferences or discussions to ascertain specific flood related information as well as updated weather forecast information.
4. The lead conservation authority will consolidate flooding and weather information into a briefing note which will be forwarded to their representative at the municipal and/or regional EOC.
5. If, because of the extent of the flood event, the regional EOC is opened, the lead conservation authority staff will participate at the regional EOC and through it assist in communicating to the municipal EOCs. Assigned staff from other conservation authorities may, depending on staff resources, still participate at the municipal EOCs.
6. All conservation authorities will ensure that their internal operations manuals and procedures reflect the requirements outlined above.

4.2 Sources for Sandbags

The NVCA does not warrant or guarantee the services of these suppliers. The unit prices quoted were valid April 2020.

Company	Product	Availability
Burtex Inc. 66 Bartor Road Weston, ON M9M 2G5 Telephone: (416) 745-2711 1-800-268-0908 www.burtexburlap.com	Burlap: \$1.11/bag (18x30 inch) 1000 per bundle Poly: 58¢/bag (14x26 inch w/ tie) Poly: 63¢/bag (20x30 inch) 1000 per bundle	Daytime After Hours Contact: Art Saunders Cell: 416-315-2396 Shipping Extra
Lloyd Bag Co. Ltd. 114 St. Clair St., P.O. Box 208 Chatham, Ontario, N7M 5K3 Telephone: (519) 352-9300 1-800-549-2247 Fax: 1-519-352-3413 www.lloydbag.com	Burlap: ?/bag 1000 per bundle Poly: 38.1¢/bag 1000 per bundle Under 1000 bags = 40¢/bag	After Hours – Leave Message Minimum order to ship is 1000 Burlap bags must be manufactured, contact mark@lloydbag.com or lauren@lloydbag.com to order Shipping Extra
Polytarp Product 350 Wildcat Road North York, Ontario, M3J 2N5 Telephone: (416) 633-2231 1-800-606-2231 www.polytarp.com	Poly: 24.64¢/bag (17x28 inch, black) 250 per bundle Poly: 31¢/bag (20x30 inch, black) 200 per bundle	Daytime Prearranged Number for after hours Free Delivery on 25 bundles (1 skid), 1 skid min. order Same day shipping
GX Packaging PO Box #60 4159 Breen Rd. Putnam, Ontario, N0L 2B0 Tel: (519) 686-1669 Toll Free: (866) 857-7143 Fax: (519) 686-1676 Email: inquiries@gxpackaging.ca Gxpackaging.ca	Standard (uv treated, smaller) construction sandbag: 35¢/bag/1000 bundle Flood sandbags (18x27 inch, non uv treated) 24¢/bag/1000 bundle	Ramon Metz ramon@gxpackaging.ca After hours cell: 519-635-1728 Shipping Extra, free pickup

4.3 Using Sandbags for Temporary Flood Protection

Temporary Flood Protection Using Sandbag Dikes and Walls **A guide by the Nottawasaga Valley Conservation Authority**



The efficiency of undertaking temporary flood protection can be increased by avoiding misunderstandings about the process. You may think sandbagging is a mindless process, but it requires planning and organization to be effective. Time, weather conditions, hours of darkness, and your available resources can all impact your success.

Properly filled and placed, sandbags can act as a barrier to divert moving water around structures, divert flow, hold back rising water and shore up permanent protection systems.

How to Fill and Lap Sandbags

Sandbags for this purpose are a specific size: 13" x 34". This small size economizes on sand and makes the bags easier to handle and put in place.

To fill and lap sandbags:

- Clean off all snow, ice and debris and try to strip sod before placing bottom layer.
- Dig a "key" trench 1 sack deep by 2 sacks wide.
- Fill bags ½ to 2/3 full (no more than 30lbs).
- When filling, you should work in pairs with one person holding the bag while the other shovels (wearing safety equipment such as glasses and steel-toed boots is preferable).
- Tying of bags is not recommended.
- Loosely fold back the open end; the bag on top will seal the opening. This also allows the sand to settle for best results.
- Face the "butt" of the bag upstream.
- Tamp bags in place to prevent holes and to prepare a flat surface for the next bags.
- Stagger the bags so that the joints alternate like bricks.
- Alternate the directions of the bags "bottom layer lengthwise, next layer crosswise (for dikes).
- Complete each layer before starting the next.



Fill bags half to two-thirds full

Site Selection

Select the location for the wall or dike by taking advantage of natural land features that keep it short and as low as possible. Avoid obstructions that would weaken the dike. Do not build against a building wall. Leave room (6 to 8 feet or more) between the dike and any buildings for maneuvering and for pumping out any water that leaks through the wall.

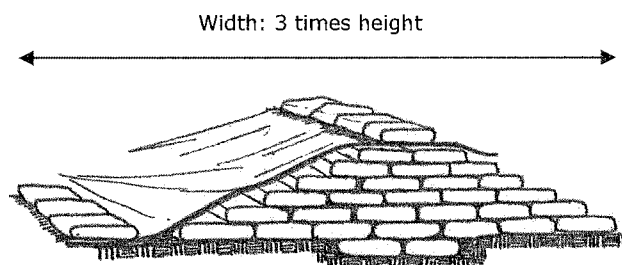
Before each flood event, have a practice run, plan your strategy, find your resources and test your construction.

Short Sandbag Walls

- For walls four bags high or less, a simple vertical stack can work. Support the wall with "clusters" of bags every 5 feet.

Sandbag Levees

- For protection from water deeper than 2 feet, the stack should form a levee or pyramidal shape.
- Do not use sandbags as the sole erosion protection or where they would be subject to wave attack.
- The base of the levee should be three times as wide as the dike will be high.
- If possible, do not construct bearing directly against a home, leave room for working and for pumping out leakage.
- To increase the height of a levee, add bags to the inside and the top.
- A plastic membrane (e.g., 6 mil plastic) on the water-side can be used to reduce leakage. It should be loosely placed so the weight of the water does not rip it, and can be anchored into a trench, sealed with sandbags or lapped under the dike. (Do not walk on or puncture after it is in place.)
- Use a continuous roll, or leave plenty of overlap between rolls.
- Use drain tile or other suitable piping to direct downspouts over the wall and not into the area between the wall and the building.



Bags Required for 100 Lineal Feet of Dike

- 600-800 bags for 1-foot dike (10-13 cubic yards sand)
- 2,000 bags for 2-foot dike (23-33 cubic yards sand)
- 3,400 bags for 3-foot dike (37-57 cubic yards sand)
- 10,000 bags for 6-foot dike (167 cubic yards sand)

Large Scale Operations

- For large scale operations, filling and transporting of bags can be expedited by bag holding racks, funnels, or high speed sandbagging equipment, however this type of specialized equipment is not always available during an emergency.

Safety

- Work safely, lift correctly and set up a "line" for passing bags.
- Avoid twisting your back while filling bags.
- Wear safety glasses and boots. (Slicing off a toe would add to your emergency situation!)
- Have plenty of fresh water on hand. Bottled water is suggested if using well water, as your well supply might become contaminated during the flood event.

Have an evacuation plan. Decide in advance when you will abandon a flood fight.



This guide to using sandbags was prepared by the Nottawasaga Valley Conservation Authority. For further information contact Engineering and Technical Services at NVCA at (705) 424-1479 or www.nvca.on.ca

The guide was adapted from the following sources: Essex Region Conservation Authority, Manitoba Emergency Measures Organization, Safety Central, North Dakota State University of Agriculture and Applied Science, Emergency Management Branch – City of Kansas, US Army Corp of Engineers, Sacramento County Department of Water Resources, LSU AgCenter.

Disclaimer: This document provides only basic information about temporary flood protection. Sandbags do not guarantee protection or water-tightness and other measures may also be required as backup in case of failure, or for protection from other threats such as sewer backup.

Appendix A: Flood and Weather Terminology

A.1 Standardized Descriptions of Flood Magnitude

In order to improve the understanding of flood messages sent by the various conservation authorities, all Watershed Conditions Statements, Flood Watches and Flood Warnings should include the following terminology to describe the magnitude of anticipated flooding.

- **No Flooding**
Water levels remain within channel banks.
- **Nuisance Flooding**
Flooding of low-lying lands. However, road access remains available and no structures will be flooded.
- **Minor Flooding**
Potential for some structural flooding and sections of road access may be impassable. No evacuation is required.
- **Major Flooding**
Potential for significant basement flooding, some first-floor flooding, and significant road access cuts. Evacuation possibly required.
- **Severe Flooding**
Potential for many structures to be flooded, major disruption of roads and services. Evacuation is required due to risk to life and major damages to residential, industrial, commercial and/or agricultural sites. The event may produce negative environmental impacts caused by spills of hazardous substances such as sewage, oils, chemicals, etc., that pose a threat to public safety and/or to the eco-system.

A.2 Weather Forecast Terminology and Definitions

A key component of conservation authorities' flood forecasting systems is the ability to interpret weather forecasts. To facilitate this, a report has been compiled containing explanations of the most commonly used weather forecasting terms.

Since the flood warning systems operator is primarily concerned with flooding, this section will only cover those terms relating to precipitation.

Terms such as *drizzle*, *rain*, or *snow* are used to indicate the occurrence of precipitation. The various forms of precipitation are defined as follows:

- **Drizzle**
Fairly uniform precipitation composed exclusively of fine drops with diameters of less than 0.5 mm, falling very close together. Drizzle appears to flow while following air currents.
- **Rain**
Precipitation, in the form of drops larger than 0.5 mm.
- **Snow**
Precipitation of snow crystals, predominantly in the form of six-pointed stars.

These terms may be accompanied by qualifying words and numbers to provide further detail regarding the intensity, amount and proximity of the precipitation. Qualifiers may be used in various combinations to describe weather phenomena.

The intensity qualifiers that are used are: *light*, *moderate*, or *heavy*, in accordance with the following charts.

Table A.1: Intensity of Rain Based on Rate of Fall

Intensity	Criteria
Light	Up to 2.5 mm per hour; maximum 0.25 mm in 6 minutes.
Moderate	2.6 mm to 7.5 mm per hour; more than 0.75 mm in 6 minutes.
Heavy	More than 7.6 mm per hour; more than 0.75 mm in 6 minutes.

Table A.2: Estimating Intensity of Rain

Intensity	Criteria
Light	From scattered drops that, regardless of duration, do not completely wet an exposed surface, up to a condition where individual drops are easily seen.
Moderate	Individual drops are not clearly identifiable; spray is observable just above pavements and other hard surfaces.
Heavy	Rain seemingly falls in sheets; individual drops are not identifiable; heavy spray to heights of several inches is observed over hard surfaces.

It is often difficult to accurately forecast the amount of rain expected, due to the subjective nature of computer model interpretation, and the large areas for which computer models are applied.

The actual amounts of precipitation received are dependent on how the system reacts to the conditions and topography as it crosses your specific location. The presence of water bodies in particular will cause the weather to differ over relatively short distances.

For example, when a forecaster predicts that south central Ontario will receive 25 mm today, this **does not** mean that your specific area will receive exactly 25 mm, or even a maximum quantity of 25 mm. What this **does** mean is that, generally, over the area of south central Ontario, and given that current conditions remain the same, 25 mm are *likely* to fall over your location.

When a range is given, such as 10-20 mm, this implies a degree of uncertainty on the part of the forecasters with respect to the exact tracking of a system. The various computer models used may not be in agreement with regards to the estimated rainfall. Therefore, the forecaster is covering each possibility by using a range.

The terms *showers* and *thunderstorms* are used to further qualify the type of precipitation and weather phenomena that are expected.

- **Showers**
Precipitation that stops and starts again abruptly, changes intensity rapidly, and is usually accompanied by rapid changes in the appearance of the sky.
- **Thunderstorm**
A local storm produced by cumulonimbus clouds, and is accompanied by lightning and/or thunder.

The *probability of precipitation* is another qualifier frequently used in forecasts. The probability of precipitation represents the likelihood of the occurrence of measurable precipitation at any point in the region. Thus, a probability of 30 per cent means that out of 100 similar situations, precipitation should occur 30 times.

Rain, snow, periods of rain, or intermittent rain or snow will normally appear with probabilities of 90 or 100 per cent, and indicate that a major weather system will affect the region. The amount of precipitation may vary.

The terms *showers*, *flurries* or *occasional rain* (or snow) imply that the precipitation will not be continuous, and any point in the region is likely to get a measurable amount. These terms are normally combined with probabilities in the 60 to 80 per cent range.

The term *scattered* is used to qualify the terms showers and flurries when only a portion of the region is expected to get measurable precipitation. The probabilities associated with *scattered showers* are in the 30 to 50 per cent range.

When *isolated thunderstorms* are forecast, a probability of precipitation of 10 or 20 per cent is normally applied. Only a small part of the region is likely to get rain, but those areas that do are likely to get intense heavy rain for short periods. Thunderstorms may occur during a continuous rain event. Hail, strong winds, and even tornadoes can result from severe thunderstorms.

A.3 Weather Terminology in Flood Bulletins

When issuing a flood message, the conservation authority issuing the message cannot reasonably expect the client to remember all these definitions or expect the client to locate these definitions quickly in an emergency situation.

Therefore, it is important to use enough detail in the flood messages to make any technical terms self-explanatory. For example, the term "heavy rainfall" should be accompanied by the estimated quantity as well as the estimated duration (i.e., over the next 12 hours). A sufficient number of qualifiers should be used to make the message clear to the intended reader.

Appendix B: Sample Flood Messages

B.1 Sample Watershed Conditions Statements



Nottawasaga Valley Conservation Authority (NVCA)
8195 8th Line, Utopia, Ontario, L0M 1T0
Tel: 705-424-1479 – Fax: 705-424-2115 – www.nvca.on.ca

Watershed Condition Statement: Water Safety



Flood Potential: Low

Ice Jam Potential: Moderate

Issued to: local municipalities and school boards, local conservation authorities, emergency response agencies, health unit, media

Date: February 19, 2016 (2:00 PM)

The Nottawasaga Valley Conservation Authority advises that warm temperatures and rain over the next 24 hours will cause our snowpack to melt and increase flows in area watercourses. The public and especially children are advised to stay away from all area water bodies as unstable ice cover, slippery banks and fast flowing watercourses will result in dangerous conditions.

Current weather forecasts are calling for rain accumulation of 10 mm to 15 mm and above freezing temperatures from Friday into Sunday. Melting snow and runoff may result in increases in stream flows. No major flooding is anticipated, however local conditions may vary. At this time of year there is always the potential for localized flooding and ice jams.

The Nottawasaga Valley Conservation Authority continues to monitor river and stream conditions and will issue additional messages as conditions warrant. This statement will be in effect until Monday, February 22, 2016.

For additional information, please call 705-424-1479 and select option "1" for the flood information line or check our website at: www.nvca.on.ca

Sheri Steinginga
Flood Duty Officer

A **Watershed Condition Statement** is a general notice of weather conditions that could pose a risk to personal safety or which have the potential to lead to flooding. A **Water Safety** message indicates that high flows, unsafe banks, melting ice or other factors could be dangerous for recreational users such as anglers, canoeists, hikers, children, pets, etc. Flooding is not expected.



Nottawasaga Valley Conservation Authority (NVCA)
 8195 8th Line, Utopia, Ontario, L0M 1T0
 Tel: 705-424-1479 – Fax: 705-424-2115 - www.nvca.on.ca

Watershed Condition Statement: Flood Outlook



Flood Potential: Moderate

Ice Jam Potential: High

Issued to: local municipalities and school boards, local conservation authorities, emergency response agencies, health unit, media

Date: March 20, 2015 (11:00 AM)

The Nottawasaga Valley Conservation Authority advises that the Water Safety Statement issued Tuesday, March 17, 2015, is upgraded to a Flood Outlook Statement for the Nottawasaga Valley watershed.

Today's temperature is forecasted to reach 9 degrees Celsius, and remain above zero overnight. This warm weather will cause significant snowmelt runoff. Additionally, ice cover will continue to weaken and break up. Our rivers and streams are expected to rise to near bank-full water levels, and ice jams and localized flooding may occur. No major flooding is anticipated.

Hazardous conditions exist around all waterbodies, as there is a high risk of life-threatening injury if a person falls into the extremely cold water. The public and especially children are advised to stay away from all waterbodies.

The Nottawasaga Valley Conservation Authority continues to monitor river and stream conditions and will issue additional messages as conditions warrant. This Flood Outlook Statement will be in effect until 4:30 p.m., Tuesday, March 24, 2015.

For additional information, please call 705-424-1479 and select option "1" for the flood information line or check our website at: www.nvca.on.ca

Stephanie Durocher
Flood Program Coordinator

A **Watershed Condition Statement** is a general notice of weather conditions that could pose a risk to personal safety or which have the potential to lead to flooding. A **Flood Outlook** message is an early notice of the potential for flooding based on weather forecasts calling for heavy rain, snow melt, high wind or conditions that could lead to high runoff, cause ice jams, lakeshore flooding or erosion.

B.2 Sample Flood Watch Statement



Nottawasaga Valley Conservation Authority (NVCA)
 8195 8th Line, Utopia, Ontario, L0M 1T0
 Tel: 705-424-1479 - Fax: 705-424-2115 - www.nvca.on.ca

Flood Watch



Flood Potential: Low

Ice Jam Potential: Low

Issued to: local municipalities and school boards, local conservation authorities, emergency response agencies, health unit, media

Date: April 28, 2014 (3:00 PM)

The Nottawasaga Valley Conservation Authority advises that the Flood Watch issued April 3, 2014 is being continued.

Current weather forecasts for tonight are predicting 10-20 mm of rainfall and daily highs above freezing all week. This rain combined with already high flows and remaining snow could cause water levels to exceed bank full conditions and result in minor flooding. The river/lake ice is softening and the risk of ice break up and ice jamming is high. Major flooding is not anticipated.

Municipalities, emergency services and individual landowners in flood-prone areas should be on alert.

Unstable ice, high water levels and cold, fast flowing water in rivers and streams will create dangerous conditions. The public and especially children are advised to stay away from all area water bodies including ice covered lakes and rivers.

The Nottawasaga Valley Conservation Authority continues to monitor river and stream conditions and will issue additional messages as conditions warrant. This Flood Watch will be in effect until 4:30 PM April 30, 2014.

For additional information, please call 705-424-1479 and select option "1" for the flood information line or check our website at: www.nvca.on.ca

Stephanie Durocher

Flood Warning Coordinator

A **Flood Watch** is a notice that the potential for flooding in the near future exists in specific watercourses and municipalities. Flood watches may be issued when stream conditions and weather are expected to produce flooding.

B.3 Sample Flood Warning



Nottawasaga Valley Conservation Authority (NVCA)
 8195 8th Line, Utopia, Ontario, L0M 1T0
 Tel: 705-424-1479 – Fax: 705-424-2115 - www.nvca.on.ca

Flood Warning



Flood Potential: Low

Ice Jam Potential: Low

Issued to: local municipalities and school boards, local conservation authorities, emergency response agencies, health unit, media

Date: April 28, 2014 (3:00 PM)

The Nottawasaga Valley Conservation Authority advises....

Stream flows remain high, and hazardous conditions still exist around all watercourses. Flooding in low-lying and flood prone areas could occur. The public and especially children are advised to stay away from all water bodies.

The forecast calls for 20-30 mm of rain over the next 5 days. All watercourses are still running high, and the forecasted rain will cause unsafe conditions to continue. The public and especially children are advised to stay away from all area water bodies. Flooding in low-lying and flood prone areas is possible, however no major flooding is anticipated.

The Nottawasaga Valley Conservation Authority continues to monitor river and stream conditions and will issue additional messages as conditions warrant. This Water Safety Statement will be in effect until 4:30 p.m., Monday, May 5, 2014.

For additional information, please call 705-424-1479 and select option "1" for the flood information line or check our website at: www.nvca.on.ca

Stephanie Durocher
 Flood Program Coordinator

A **Flood Warning** is a notice that flooding which could be damaging to human lives or property is imminent or occurring in specific watercourses or municipalities.

Appendix C: Principal Conservation Authorities

Key to chart below

P	Principal conservation authority contact for alert/advisory messages and contact list updates
Pc	Principal Conservation Authority Contact for Contact List Updates
Pa	Principal Conservation Authority Contact for Alert/Advisory Messages
S	Conservation Authority which shares a portion of a Municipality
CH	Conservation Halton
CLOCA	Central Lake Ontario Conservation Authority
CVC	Credit Valley Conservation
GRCA	Ganaraska Region Conservation Authority
LSRCA	Lake Simcoe Region Conservation Authority
NVCA	Nottawasaga Valley Conservation Authority
TRCA	Toronto and Region Conservation Authority

Conservation Authorities - Municipal Contact List

Municipality	CH	NVCA	CVC	TRCA	LSRCA	CLOCA	GRCA
DUFFERIN COUNTY			P				
Town of Orangeville			P				
Township of East Garafraxa			P				
Township of Mono		P	S	S			
Township of Mulmur		P					
Township of Melancthon		P					
Township of Amaranth		P					
Town of Shelburne		P					
GREY COUNTY							
Municipality of Grey-Highlands		P					
Town of the Blue Mountains		P					
DURHAM REGION				S	S	P	S
Town of Pickering				P		S	
Town of Ajax				P		S	

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Municipality	CH	NVCA	CVC	TRCA	LSRCA	CLOCA	GRCA
Township of Brock					P		
Township of Uxbridge				S	P	S	
Township of Scugog					P	S	
Town of Whitby						P	
City of Oshawa						P	
Municipality of Clarington						P	S
HALTON REGION	P		S				
City of Burlington	P						
Town of Halton Hills	S		P				
Town of Milton	P		S				
Town of Oakville	P						
CITY OF HAMILTON	P						
NORTHUMBERLAND COUNTY							P
Township of Hope							P
Town of Port Hope							P
Town of Cobourg							P
Township of Hamilton							P
Township of Haldimand							P
Township of Millbrook North Monaghan							P
PEEL REGION			P	S			
City of Mississauga	S		P	S			
City of Brampton			P	S			
Town of Caledon			P	S	S		
SIMCOE COUNTY		S			P		
Township of Adjala-Tosorontio		P		S			
Town of Innisfil		S			P		
Town of New Tecumseth		P			S		
Town of Bradford West Gwillimbury		S			P		
Township of Oro-Medonte		P			S		
Township of Ramara					P		

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Municipality	CH	NVCA	CVC	TRCA	LSRCA	CLOCA	GRCA
Township of Springwater		P					
Township of Clearview		P					
Town of Wasaga Beach		P					
Town of Collingwood		P					
Township of Essa		P					
CITY OF BARRIE		S			P		
CITY OF TORONTO				P			
CITY OF KAWARTHA LAKES					P		
WELLINGTON COUNTY	S		P				
Township of Puslinch	P						
Town of Erin			P				
YORK REGION				P	S		
Town of Markham				P			
City of Vaughan				P			
Town of Richmond Hill				P	S		
Town of Whitchurch/Stouffville				P	S		
Town of Georgina					P		
Township of King				S	P		
Town of Aurora					P		
Town of Newmarket					P		
Town of East Gwillimbury					P		

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Appendix D: Contact Lists

Note: Residential numbers listed in Appendix D are **CONFIDENTIAL** and should only be used in an emergency. Please contact the Flood Warning Coordinators for non-emergency flood reporting and enquiries.

D.1 Conservation Authorities

D.1.1 Nottawasaga Valley Conservation Authority

This section provides a brief outline of the contacts within NVCA who have designated responsibilities in the event of a flood or flood emergency.

Contact Name	Title	Phone	Cellular	Residence
Dalia Al-Ali	Flood Warning Coordinator #1	(705) 424-1479 Ext 224	(705) 796-7548	
William Flavelle	Flood Warning Coordinator #2	(705) 424-1479 Ext 288	705-249-6772	
Chris Hibberd c.hibberd@nvca.on.ca	Flood Warning Coordinator #3	(705) 424-1479 Ext 229	(705) 309-0410	(705) 792-0985
Sheryl Flannagan sflannagan@nvca.on.ca	Interim CAO	(705) 424-1479 Ext 242	(705) 241-6091	
Jonathan Scottjscott@townofbwg.com	Chair		(647)-988-8461	

The **NVCA Flood Forecast Emergency Operation Centre** is located at:

Tiffin Centre for Conservation
8195 Line 8, Essa Township
Utopia, Ontario, L0M 1T0

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NVCA Flood Patrol Officers

Patrol Area	Contact Name	Title	Phone	Cellular
North East	Kyra Howes	Director, Conservation Services	(705) 424-1479 Ext 259	(705) 309-0405
South East	Michael Saunders	Engineering Technologist	(705) 424-1479 Ext 223	(705) 715-2277 (personal cell)
South West	Ian Ockenden	Manager, Watershed Science	(705) 424-1479 Ext 234	(249) 733-4876
Central West	Sheri Steinginga	Source water Coordinator	(705) 424-1479 Ext 267	705-333-9939
North West	Rick Grillmayer	Manager, Forestry	(705) 424-1479 Ext 230	(705) 718-8461
North Central	Taryn Arsenault	Water Resources Technician	(705) 424-1479 Ext 284	
Alternates	Sheryl Flannagan	Director, Corporate Services	(705) 424-1479 Ext 242	(705) 241-6091
	Lyle Wood	GIS Technician	(705) 424-1479 Ext 248	Sign out
	Elise Barr-Klouman	Event Facilitator	(705) 424-1479 Ext 236	

See Appendix F for map of the flood patrol areas and a list of flood damage centres.

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Flood Warning Staff Responsibilities

Flood Warning Coordinator's Responsibilities

During a flood emergency, the flood warning coordinator will set up a base of operation at the Tiffin Centre for Conservation. The flood warning coordinator will direct the operation from the Utopia office during flooding emergencies and will liaise with the following:

- the local response coordinators at the district office of the MNRF,
- the CAO of the NVCA,
- the Chair and/ or Vice Chair of the NVCA,
- the flood emergency coordinator of each municipality,
- NVCA flood patrol officers,
- news media

The flood warning coordinator will advise the local response coordinator, when municipal resources have been fully committed, of the need for additional resources and matters related to the declaration of provincial emergency. The flood warning coordinator will be assisted by staff flood patrol officers and a designated telephone operator.

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Flood Patrol Officers' Responsibilities

During an emergency situation, supervisory and technical staff members having a detailed knowledge of certain watercourses will be assigned to specific areas to assess flood situations and will report problems or possible problem areas to the base of operation by two-way radio or telephone.

Observation and water level measurement using pre-established benchmarks of known flood vulnerable areas will be of prime importance.

Each patrol will report to the base of operation at half-hour intervals.

Each patrol will obtain and relay other observations and information as required.

Note: Each patrol vehicle shall be equipped with a flood patrol kit (amber light, flashlight, spare batteries, spotlight, notebook, survey marking paint, flares, safety vest, NVCA provided camera, throw rope, phone (sign out), lifejacket, weighted measuring tape, flood patrol area map and patrol instructions). This equipment will be available from the EOC at the Tiffin Centre.

Telephone Operator's Responsibilities

One operator will be required to:

- Assist the flood warning coordinator in contacting the municipalities in the watershed during a flood warning situation.
- The operator will receive calls from municipal departments, police units, and the general public regarding individual problem areas. This information is to be directed to the flood warning coordinator and logged. Dates and times of incoming and outgoing calls are to be logged.
- Direct incoming calls from the news media to the designated communications staff member.

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D.1.2 GTA Conservation Authorities

Authority	Contact Name	Phone	Fax	Ext	Home Page / Email Address
Central Lake Ontario Conservation Authority	Office	905-579-0411	905-579-0994		www.cloca.com
	Flood Duty	905-259-4579			floodforecast@cloca.com
	Holly Whittington	365-633-0506			hwhittington@cloca.com
	Lucy Benham	365-633-0465			lbenham@cloca.com
	Haruna Monri- Fung	365-633-0497			Hmonrifung@cloca.com
	Dan Hipple	365-633-1392			dhipple@cloca.com
Credit Valley Conservation Authority	Office	905-670-1615	905-670-2210		www.cvc.ca
	Afterhours	800-215-8505			
	Graeme MacDonald	437-339-6923		314	graeme.macdonald@cvc.ca
	Jeff Wong	647-212-6558		269	jeff.wong@cvc.ca
	Girish Sankar	647-627-6624		2037	girish.sankar@cvc.ca
Ganaraska Region Conservation Authority	Office	905-885-8173	905-885-9824		www.grca.on.ca
	Mike Smith	289-251-1010		246	msmith@grca.on.ca
	Cory Harris	289-251-2094		226	charris@grca.on.ca
Halton Region Conservation Authority	Office	905-336-1158	905-336-6684		www.conservationhalton.ca
		905-854-6163			floodadmin@hrca.on.ca
	Benjamin O'Reilly	905-805-1637		2258	boreilly@hrca.on.ca
	Glenn Farmer	647 458-1046		2290	gfarmer@hrca.on.ca

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	Kyle Slade	905-691-1004		2234	kslade@hrca.on.ca
Kawartha Conservation	Office	705-328-2271	No fax		www.kawarthaconservation.com
	Nathan Rajevski	705-328-2271 ex. 235		229	nrajevski@kawarthaconservation.com
	Yan Shao	705.328.2271		219	yshao@kawarthaconservation.com
Lake Simcoe Region Conservation Authority	Office	905-895-1281			www.lsrca.on.ca flood@lsrca.on.ca floodLSRCA@hotmail.ca
	Ken Cheney	905-955-2465		294	k.cheney@lsrca.on.ca
	Rob Baldwin	905 955-3055		248	r.baldwin@lsrca.on.ca
	Phil Thase	289-716-5496		296	p.thase@lsrca.on.ca
	Kalpesh Nagrani	289-231-1438		123	k.nagrani@lsrca.on.ca
Nottawasaga Valley Conservation Authority	Office	705-424-1479	No fax		www.nvca.on.ca
	Will Flavelle	705-424-1479			wflavelle@nvca.on.ca
	Dalia Al-Ali	705-796-7548		224	dal-ali@nvca.on.ca
	Chris Hibberd	705-309-0410		229	c.hibberd@nvca.on.ca
Toronto and Region Conservation Authority	Office	416 661-6600	No fax		www.trca.on.ca floodmessage@trca.ca
	Nick Lorrain	416-624-4235			nick.lorrain@trca.ca
	Rita Lucero	416 564-4335			Rita.Lucero@trca.ca
	Rhianydd Phillips	647-281-3893			Rhianydd.Phillips@trca.ca
	David Kellershohn	647-280-7637			david.kellershohn@trca.ca
	Duminda Perera	437-212-8814			Duminda.Perera@trca.ca

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D.2 Local Agencies**D.2.1 Police**

Agency	Phone	Fax
OPP Provincial Communications Centre 24/7	1 888 310-1122	
Barrie Police	(705) 725-7025	(705) 728-2971
Collingwood OPP	(705) 445-4321	(705) 445-7024
Grey OPP (Chatsworth)	(519) 794-7827	(519) 794-3966
Markdale OPP (Grey Highlands)	(519) 986-2211	(519) 986-2219
Nottawasaga OPP (Alliston/Essa/New Tec)	(705) 434-1939	(705) 434-9109
Orangeville OPP	(519) 942-1711	(519) 942-3288
Orillia OPP	(705) 326-3536	(705) 326-4126
Dufferin OPP (Mono/Shelburne/Amaranth)	(519) 925-3838	(519) 925-6462
South Simcoe Police North Div. (Innisfil)	(705) 436-2141	(705) 436-2414
South Simcoe Police South Div. (Bradford)	(905) 775-3311	(705) 436-2414
Huron West OPP (Wasaga Beach)	(705) 429-3575	(705) 429-3616
Springwater OPP	(705) 792-0306	(705) 429-3616
Town of Blue Mountains OPP (Clarksburg)	(519) 599-6644	(705) 599-3043

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D.2.2 School Boards

School Board	Phone	Fax/Cell	E-Mail
Bruce Campbell, General Manager Communications & Community Relations Dufferin-Peel Catholic School Board	(905) 890-0708 Ext. 24466	905-609-1480 (cell)	bruce.campbell@dpcdsb.org
Alysa Pottage Corporate Risk Officer – Health & Safety Simcoe County District School Board	(249)388-3067	(705)220-8609	apottage@scdsb.on.ca info@scdsb.on.ca
Marcella Eugene Corporate Risk Officer - Health & Safety Simcoe County District School Board	(249)388-3101	(249)288-2779	meugenescdsb.on.ca info@scdsb.on.ca
Diana Gabriele, Executive Assistant Simcoe Muskoka Catholic District School Board	(705) 722-3559	(705) 722-8865	dgabriele@smcgsb.on.ca
Gail Kerrison, Risk Management Officer Simcoe Muskoka Catholic District School Board	(705) 722-3559	(705) 722-8865	gkerrison@smcgsb.on.ca
Heather Loney, Communications Manager Upper Grand District School Board	(519) 822-4420 Ext. 725	No fax	heather.loney@ugdsb.on.ca

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Record updated Jan 2025

D.2.3 Simcoe Muskoka District Health Unit

Name	Phone	E-Mail
Shernette Clarke	(705) 721-7520 ext. 7373	shernette.clarke@smdhu.org
Kelly Magnusson	(705) 309-0876	Kelly.magnusson@smdhu.org
Grant Lafontaine	(705) 721-7520 ext. 7766	Grant.lafontaine@smdhu.org

Record updated Jan 2025

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D.2.4 Schools, Day Cares and Nurseries Within Floodplains

Not specified in the NVCA watershed.

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D.2.5 Media

MEDIA TYPE	LAST UPDATE	PUBLICATION	CONTACT NAME	Phone Number	TITLE	EMAIL
Radio	07-Aug-19	Pure Country 106	Carey Moran	705-722-5429	Broadcaster	Appendix D - Contact Lists carey.moran@bellmedia.ca
Radio	07-Aug-19	Fresh Radio9 93.1	Newsroom	705-726-1597	Newsroom	news@931freshradio.ca
Radio	07-Aug-19	Rock 95	Newsroom	705-725-7304	Newsroom	newsroom@rock95.com
Radio	07-Aug-19	107.5 KoolFM	Newsroom	705-725-7304	Newsroom	newsroom@rock95.com
Radio	07-Aug-19	Barrie 360	Newsroom	705-725-7304	Newsroom	newsroom@rock95.com
Radio	07-Aug-19	Big 101.1	Newsroom	705-726-1597	Newsroom	news@1011bigfm.com
Radio	07-Aug-19	97.7 Max FM Wasaga	Newsroom	705-422-0970 ext. 104 & 105.	Newsroom	news@977maxfm.ca
Radio	07-Aug-19	89.1 Max FM	Newsroom	705-325-9786	Newsroom	news@bayshorebroadcasting.ca
Radio	07-Aug-19	Life 100.3	Newsroom	705-725-5494	Newsroom	news@lifeonline.fm
Radio	07-Aug-19	91.5 The Peak	Newsroom	705-726-1597	Newsroom	news@ThePeakfm.com
Radio	29-Oct-20	Kool FM, Barrie 360, Rock 95	Newsroom	705-725-7304	Newsroom	newsroom@rock95.com
Radio	23-Mar-21	92.1 FM		705-530-6936	Newsroom	news921@localradio.ca
Radio	04-Jun-24	Barrie 360	Dan Blakeley		News Director	danblakeley@barrie360.com
Radio	10-Dec-24	CBC Radio	Colm Cobb Howes		Producer	colm.cobb@cbc.ca
MEDIA TYPE	LAST UPDATE	STATION	LOCATION	Phone number	CONTACT NAME	EMAIL
TV	2015-01-13	CTV Barrie	Barrie	705-734-3300 ext. 2700	Nicole King	barrienews@ctv.ca
TV	2020-10-29	Global News	Barrie	705-220-3424		GlobalBarrie@globalnews.ca

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TV	2024-06-04	Rogers TV	Barrie	(705) 812-4583	Ron Clark	
TV	2024-06-04	Rogers TV	Barrie	(249) 733-2973	Madison Fitzpatrick	
TV	2024-06-04	Rogers TV	Barrie	(705) 796-3814	Laura Garrett	
TV	2024-06-04	Rogers TV	Barrie	(705) 812-4539	Kevin Kelly	
TV	2024-06-04	Rogers TV	Barrie	(249) 733-1675	Josh Kotva	
TV	2024-06-04	Rogers TV	Barrie	(705) 812-4522	Deanne McCallum	
TV	2024-06-04	Rogers TV	Barrie	(705) 812-4584	Steven McEown	
TV	2024-06-04	Rogers TV	Barrie	(705) 812-4593	Aaron Pullen	
TV	2024-06-04	Rogers TV	Barrie	(705) 812-4525	Edward Stepowski	

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MEDIA TYPE	LAST UPDATE	PUBLICATION	CONTACT NAME	PHONE NUMBER	TITLE	EMAIL
Newspaper	31-Oct-23	Barrie Today	Chris Simon		Editor	chris@bradfordtoday.ca
Newspaper	31-Oct-23	Barrie Today	Michael Owen		Editor	michael@bradfordtoday.ca
Newspaper	2019-08-06	Barrie Advance	Janis Ramsay	705-726-0573, ext. 792037	Reporter	jramsay@simcoe.com
Newspaper	2024-06-04	Barrie Today	Kevin Lamb		Reporter	wayne@barrietoday.com
Newspaper	2024-06-04	Barrie Today	Wayne Doyle		Editor	raymond@barrietoday.com
Newspaper	2019-08-06	Barrie Today	Kevin Lamb		Reporter	kevin@barrietoday.com
Newspaper	2019-08-06	Barrie Today	Shawn Gibson	705-242-3093 ext. 1174	Reporter - Barrie	news@barrietoday.com
Newspaper	2022-03-01	Barrie Today	Nikki Cole	705-242-3093 ext. 1174	Reporter - Barrie	nikki@barrietoday.com

Newspaper	2022-03-01	Barrie Today	Bob Bruton	705-242-3093 ext. 1211	Reporter - Barrie & Collingwood	bob@barrietoday.com
Newspaper	2022-03-01	Barrie Today	News desk	705-242-3093 option 2	News Desk	news@barrietoday.com
Newspaper	2023-03-13	Bradford Today	News desk	289-831-1717 option 2	News Desk	news@bradfordtoday.ca
Newspaper	2019-08-06	New Tecumseth Times	Mark Pavilons		Editor	newtectimeseditorial@gmail.com
Newspaper	2019-08-06	New Tecumseth Times	Brian Lockhart		Reporter	brian.lockhart@hotmail.com
Newspaper	2024-06-04	Borden Bugler (bilingual)	Hooper Caleb		Editor	hooper.caleb@cfmws.com
Newspaper	2020-05-19	Bradford Today	Rosaleen Egan	705-434-4737	Reporter (Free Lance)	rosaleen.egan@gmail.com
Newspaper	2019-08-06	Bradford Today	Newdesk	289-831-1717 ext. 2	Newsdesk	news@bradfordtoday.ca
Newspaper	16-Mar-20	Bradford Topic	Laura Broadley	289-453-0153 / 519-860-4903	Reporter	lbroadley@yrmg.com
Newspaper	2019-08-06	Bradford Topic	Ted McFadden	289-453-0152	Managing Editor	tmcfadden@yrmg.com
Newspaper	2022-03-01	Bradford Topic	John Cudmore		Reporter	judmore@yrmg.com
Newspaper	2019-08-06	Collingwood Connection	John Edwards	705-444-1875, ext. 795033	Reporter	jedwards@simcoe.com
Newspaper	2024-12-10	Barrie Advance	Brett Glover		Reporter	bglover@metroland.com
Newspaper	2020-11-13	Collingwood Today	Chris Fell		Reporter	chris@collingwoodtoday.ca
Newspaper	2019-08-06	Collingwood Today	Jessica Owen	705-532-1688 ext. 1166	Reporter	jessica@villagemedia.ca
Newspaper	2019-08-06	Collingwood Today	Erika Engel	705-532-1688 ext. 1161	Community Editor	erika@collingwoodtoday.ca
Newspaper	2022-03-01	Collingwood Today	News desk	289-831-1717 option 2	News Desk	news@collingwoodtoday.ca
Newspaper	2015-01-13	Creemore Echo	Trina Berlo		Editor	trina@creemore.com
Newspaper	2015-01-13	Springwater News	Michael Jacobs	705-322-2249	Editor	info@springwaternews.ca
Newspaper	2022-03-01	Innisfil Journal	Shane MacDonald		Reporter	shanemacdonald@simcoe.com

Newspaper	2019-08-06	Meaford Independent	Stephen Vance	226-662-2662	Editor	editor@themeafordindependent.ca
Newspaper	2024-12-10	Simcoe.com	Sean Pearce		Online Editor	spearce@metroland.com
Newspaper	2019-08-06	Orangeville Banner	Chris Vernon	519-941-1350 ext. 792148	Regional Editor	Managing Editor cvernon@metroland.com
Newspaper	2019-08-06	Orangeville Banner	Chris Halliday	519-941-1350 ext. 792150	Reporter	challiday@orangevillebanner.com
Newspaper	2022-03-01	Orangeville Banner	Tabitha Wells		Reporter	twells@metroland.com
Newspaper	2022-03-01	Orangeville Banner	Joshua Santos		Municipal Reporter	Affairs joshuasantos@metroland.com
Newspaper	2019-08-06	Orangeville Citizen	Thomas Claridge	519-941-2230	Editor	editor@citizen.on.ca
Newspaper	2019-08-06	Orangeville Citizen	Mike Pickford	519-941-2230	News Editor	mail@citizen.on.ca
Newspaper	2019-08-06	North Simcoe Life	Anna Proctor		Editor/Publisher	info@northsimcoe.life
Newspaper	2019-08-06	Orillia Matters	Dave Dawson	705-242-3093 ext. 1155	Community Editor - Simcoe County	dave@orilliamatters.com
Newspaper	2019-08-06	Orillia Matters	Nathan Taylor	705-558-9595 ext. 1156	Reporter	nathan@orilliamatters.com
Newspaper	2019-08-06	Orillia Matters	Tyler Evans	705-558-9595 ext. 1168	Videographer/Reporter	tyler@orilliamatters.com
Newspaper	2019-08-06	Orillia Matters	Newdesk	705-558-9595 ext. 2	Newsdesk	news@orilliamatters.com
Newspaper	2019-08-06	Orillia Today	Frank Matys	705-329-2058, ext. 792234	Reporter	fmatys@simcoe.com
Newspaper	2019-08-06	Shelburne Free Press	Mike Pickford	519-925-2832	Editor	mpickford@citizen.on.ca
Newspaper	2015-01-13	Aware Simcoe	Company		General	aware.simcoe@gmail.com
Newspaper	2015-01-15	Aware Simcoe	Sandy Agnew	705-322-2545		aware.simcoe@gmail.com
Newspaper	2015-01-13	Farm View	Roslyn	705-722-0138	Newsdesk	farmview@on.aibn.com
Newspaper	2024-12-10	Wasaga Sun, Collingwood Connection	Ian Adams			iadams@simcoe.com
Online News	2024-12-10	Simcoe.com	Adam Martin-Robbins		Managing Editor	amartinrobbins@metroland.com

Updated January 23, 2025 (Media Contact Information provided by NVCA Communications Team)

D.2.6 Mills/Dams

Mills/Dams	Organization	Phone/Fax	E-mail
Earl Rowe Provincial Park	Aaron Speers – Park Superintendent Ontario Parks – Chris Bouchey Assistant Superintendent	Phone: 705-435-0828 Fax: 705-435-4333	Jillian.Dougall@ontario.ca Cell 226-558-1394 Chris.Bouchey@ontario.ca Cell 705-623-7271

Updated: January 22, 2025

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D.3 Municipal Contacts

D.3.1 City of Barrie

Address: 70 Collier St., P.O. Box 400, Barrie, ON, L4M 4T5

Website: www.barrie.ca

Contacts:

	Business Hours	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact-1	Alternate Contact-2	Alternate Contact-3
Name	Kevin White	Eric MacFadden	Justin Gilbert	vacant
Position	Fire Chief/CEMC	Deputy Chief/Alternate CEMC	Deputy Chief/ Alt. CEMC	Asst. Deputy Chief/ Alt. CEMC
Business Phone	(705) 728-3199 Ext 3256	(705) 728-3199 Ext 3262	(705) 728-3199 Ext 3221	(705) 728-3199 Ext
Mobile	(705) 220-5208	705-790-6209	(705) 730-3883	
Home Phone				
E-mail	kevin.white@barrie.ca	Eric.macfadden@barrie.ca	justin.gilbert@barrie.ca	
	After Hours	After Hours		
	Primary Contact	Senior Officer On Call		
Name	Fire Dispatch/Communications			
Position				
Business Phone	(705)-728-3133 (24/7)	(705) 728-3133 ask to be put through to senior officer on call		
E-mail	dispatch@barrie.ca			

Record last updated: Jan 2025

D.3.2 County of Dufferin

Address: 55 Zina St. Orangeville, ON L9W1E5

Website: www.dufferincounty.ca

Contacts:

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Steven D. Murphy	Brenna Thompson
Position	Community Emergency Management Coordinator	Waste Reduction Educator/Alternate CEMC
Business Phone	(519) 941-6991 ext. 2401	(519) 941-2816 x2626
Business Fax	(519) 941-0271	(519) 941-0271
Mobile	(519) 938-7215	(519) 278-6532
Home Phone		
E-mail	smurphy@dufferincounty.ca	bthompson@dufferincounty.ca
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Steven D. Murphy	Brenna Thompson
Position	Community Emergency Management Coordinator	Waste Reduction Educator/Alternate CEMC
Business Phone	(519) 941-6991 ext. 2401	(519) 941-2816 x2626
Business Fax	(519) 941-0271	(519) 941-0271
Mobile	(519) 938-7215	(519) 278-6532
Home Phone		
E-mail	smurphy@dufferincounty.ca	bthompson@dufferincounty.ca
24/7 Duty Officer	(519) 925-0557	

Additional Contact: CEMC Dufferin: emergency.management@dufferincounty.ca

Record last updated: Jan 20, 2025

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D.3.3 County of Grey

Address: 595 9th Avenue East, Owen Sound, ON, N4K 3E3

Website: www.grey.ca

Contacts:

	Business Hours	Business Hours	Business & After Hours	Business & After Hours
	Primary Contact	Alternate Contact	Alternate Contact	Alternate Contact
Name	Marlene McLevy	Geraldine Cole	Scott Taylor	Liz Buckton
Position	CEMC	1 st Alternate CEMC	2 nd Alternate CEMC	3 rd Alternate Contact
Business Phone	548-877-0778	548-877-0801	548-877-0856	548-877-0854
Business Fax	(519) 376-0967	-	-	
Mobile	(519) 378-3101	(519) 378-6325	(519) 379-7939	Personal: 519-379-1626
Home Phone	-	Personal cell (226) 923-0801	-	
E-mail	marlene.mclevy@grey.ca	geraldine.cole@grey.ca	scott.taylor@grey.ca	liz.buckton@grey.ca
	After Hours	After Hours	Business & After Hours	Business & After Hours
	Primary Contact	Alternate Contact	Alternate Contact	Alternate Contact
Name	Marlene McLevy	Geraldine Cole	Scott Taylor	Liz Buckton
Position	CEMC	1 st Alternate CEMC	2 nd Alternate CEMC	3 rd Alternate Contact
Business Phone	548-877-0778	548-877-0801	548-877-0856	548-877-0854
Business Fax	-	-	-	
Mobile	(519) 378-3101	(519) 378-6325	(519) 379-7939	Personal: 519-379-1626
Home Phone	-	Personal cell (226) 923-0801	-	
E-mail	marlene.mclevy@grey.ca	geraldine.cole@grey.ca	scott.taylor@grey.ca	liz.buckton@grey.ca

Record last updated: Jan 20, 2025

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D.3.4 County of Simcoe

Address: 1110 Hwy #26, Midhurst, ON, L0L 1X0

Website: www.county.simcoe.on.ca

County of Simcoe Community Emergency Management Coordinators (Primary & Alternates)

Single Number Reach - On Duty CEMC: 705-719-7139

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	Name	Work	
Primary CEMC	Grant Durfey Manager, 911 & Emergency Planning	1110 Highway 26 Midhurst, ON L9X 1N6 Office: 705-726-9300 ext. 1155 Cell: 705-722-1650 Fax: 705-792-5743 grant.durfey@simcoe.ca	
Alternate (1)	Rob Heffernan Training & Promotion Coordinator	1110 Highway 26 Midhurst, ON L9X 1N6 Office: 705-726-9300 ext. 1071 Cell: 705-734-4808 Fax: NO FAX rob.heffernan@simcoe.ca	
Alternate (2)	Leigh Anne Marley Supervisor, Strategic Business Partnerships HR	1110 Highway 26 Midhurst, ON L9X 1N6 Office: 705-726-9300 ext. 1263 Mobile: 705 984 3750 Fax: 705-792-7609 LeighAnne.Marley@simcoe.ca	
Alternate (3)	Monique Laporte Supervisor of HR Systems, Pension and Payroll	1110 Highway 26 Midhurst, ON L9X 1N6 Office: 705-726-9300 ext. 1482 Mobile: 705-627-3013 Fax: 705-792-7609 monique.laporte@simcoe.ca	

Record last updated: Jan 20, 2025

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D.3.5 Town of the Blue Mountains

Address: 26 Bridge St., Box 310, Thornbury, ON, N0H 2P0

Website: www.thebluemountains.ca

Contacts:

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Diana Livingston	Steve Conn
Position	Emergency Management Coordinator	Fire Chief
Business Phone	519-599-3131 x 101	(519) 599-3131 x 103
Mobile	(705) 441-0183	(705) 441-6797
Home Phone		
E-mail	dlivingston@thebluemountains.ca	sconn@thebluemountains.ca
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Diana Livingston	Steve Conn
Position	Emergency Management Coordinator	Fire Chief
Business Phone	519-599-3131 x 101	(519) 599-3131 x 103
Mobile	(705) 441-0183	(705) 441-6797
Home Phone		
E-mail	dlivingston@thebluemountains.ca	sconn@thebluemountains.ca

Record last updated: Dec. 6, 2024

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D.3.6 Town of Bradford West Gwillimbury

Address: 100 Dissette Street, Unit 7 & 8, Bradford West Gwillimbury, L3Z 2A7

Website: www.townofbwg.com

Contacts:

	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Joe Coleman	Michael Rozario	Stephen Hall
Position	Manager of Transportation	Fire Chief/CEMC	Deputy Fire Chief
Business Phone	(905) 775-5369 x. 2203	(905) 775-7311 x. 4101	(905) 775-7311 x. 4112
Business Fax	(905) 778-4343	(905) 775-0163	(905) 775-0163
Mobile	(905) 955-4591	(365) 340-3433	(905) 715-2295
Home Phone			
E-mail	jcoleman@townofbwg.com	mrozario@townofbwg.com	shall@townofbwg.com
	After Hours	After Hours	After Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Joe Coleman	Michael Rozario	Stephen Hall
Position	Manager of Transportation	Fire Chief/CEMC	Deputy Fire Chief
Business Phone	(905) 775-5369 x. 2203	(905) 775-7311 x. 4101	(905) 775-7311 x. 4112
Business Fax	(905) 778-4343	(905) 775-0163	(905) 775-0163
Mobile	(905) 955-4591	(365) 340-3433	(905) 715-2295
Home Phone			
E-mail	jcoleman@townofbwg.com	mrozario@townofbwg.com	shall@townofbwg.com

Record last updated: Jan 21, 2025

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D.3.7 Town of Collingwood

Address: 97 Hurontario St., P.O. Box 157, Collingwood, ON, L9Y 3Z5 (Town Hall)

Works Dept: 545 Tenth Line Fire hall: 45 High Street

Website: www.collingwood.ca

Contacts: Include the general mailbox email: engineering@collingwood.ca

	Business & After Hours	Business & After Hours	Business Hours only
	Primary Contact	Secondary Contact	Alternate Contact
Name	Peggy Slama	Daniel Cole	
Position	Director, Public Works, Engineering & Environmental Services	Manager of Public Works	Communications General
Business Phone	(705) 445-1292 x4201	(705) 445-1351 x. 4211	(705) 445-1030 x3274 (705) 445-1030 x3712
Business Fax	(705) 445- 1286	(705) 445-1286	705-445-2448
Mobile	(705) 446-5316	(705) 446-4564	
E-mail	pslama@collingwood.ca	dcole@collingwood.ca	ccarter@collingwood.ca jkaden@collingwood.ca
	Primary Contact	Alternate Contact	
Name	Dan Thurman	Stephen Emo	
Position	Fire Chief	Deputy Fire Chief	
Business Phone	(705) 445-3920 Ext 7501	705-445-3920 Ext 7502	
Business Fax	(705) 445-7361	(705) 445-7361	
Mobile	(705) 441-6441	705-441-4087	
Home Phone			
E-mail	dthurman@collingwood.ca	semo@collingwood.ca	

Record last updated: Nov. 25, 2024

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D.3.8 Municipality of Grey Highlands

Address: 50 Lorne Street, PO Box 409, Markdale, ON, N0C 1H0

Website: greyhighlands.ca

Contacts:

HL

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Jessica Yaniw	Marty Wellwood
Position	Emergency Management Coordinator	Fire Chief
Business Phone	(519) 986-1216 ext. 227	(519) 986-1216 ext. 227
Business Fax	(519) 986-3643	(519) 986-3643
Mobile	(705) 828-6672	(519) 373-7474
Home Phone	(705) 828-6672	
E-mail	fireadmin@greyhighlands.ca	fire@greyhighlands.ca
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Jessica Yaniw	Marty Wellwood
Position	Emergency Management Coordinator	Fire Chief
Business Phone	(519) 986-1216 ext. 227	(519) 986-1216 ext. 227
Business Fax	(519) 986-3643	(519) 986-3643
Mobile	(705) 828-6672	(519) 373-7474
Home Phone	(705) 828-6672	
E-mail	fireadmin@greyhighlands.ca	fire@greyhighlands.ca

Record last updated: Nov. 26, 2024

D.3.9 Town of Innisfil

Address: 1214 20th Sideroad, Lefroy, ON L0L 1W0

Website: www.innisfil.ca

Contacts:

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	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact	Alternate Contact 2
Name	Brent Thomas	Brent Black	Carla MacDonald
Position	Fire Chief CEMC	Deputy Fire Chief	Deputy Fire Chief
Business Phone	(705) 456-2318 (firehall) (705) 896-6233 (direct)	(705) 456-2318 (firehall) (705) 220-4263 (direct)	(705) 456-2318 (firehall) (249) 733-4368 (direct)
Business Fax	(705) 456-6318	(705) 456-6318	(705) 456-6318
Mobile	(705) 896-6233	(705) 220-4263	(249) 733-4368
E-mail	bthomas@innisfil.ca	bblack@innisfil.ca	cmacdonald@innisfil.ca
			innisfilfire@innisfil.ca
	After Hours	After Hours	After Hours
	Primary Contact	Alternate Contact	Alternate Contact 2
Name	Brent Thomas	Brent Black	Carla MacDonald
Position	Fire Chief CEMC	Deputy Fire Chief	Deputy Fire Chief
Business Phone	(705) 456-2318 (firehall) (705) 896-6233 (direct)	(705) 456-2318 (firehall) (705) 220-4263 (direct)	(705) 456-2318 (firehall) (249) 733-4368 (direct)
Business Fax	(705) 456-6318	(705) 456-6318	(705) 456-6318
Mobile	(705) 896-6233	(705) 220-4263	(249) 733-4368
E-mail	bthomas@innisfil.ca	bblack@innisfil.ca	cmacdonald@innisfil.ca

Additional Contacts:

Jeremy Nyenhuis jnyenhuis@innisfil.ca
 Brian Seed bseed@innisfil.ca

Operations Specialist - Stormwater and Drainage
 Operations Manager, Roads and Fleet

Record last updated: January 20, 2025

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D.3.10 Town of Mono

Address: 347209 Mono Centre Rd., Mono, ON, L9W 6S3

Website: www.townofmono.com

Contacts: AFTER HOURS: Contact BOTH M. Dunmore and on call operator

	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Matt Doner	Matt Noble	Mike Dunmore
Position	Director of Public Works	Operations Manager	C.A.O.
Business Phone	(519) 941-3599 Ext 238	(519) 941-3599 Ext.231	(519) 941-3559 Ext 228
Business Fax	(519) 941-9490	(519) 941-9490	(519) 941-9490
Mobile	(519) 215-3255	(519) 942-6352	(519) 217-9355
Home Phone			
E-mail	matt.doner@townofmono.com	matt.noble@townofmono.com	Mike.dunmore@townofmono.com
	After Hours	After Hours	
	Primary Contact	Alternate Contact	
Name	ON CALL 24/7	Matt Doner	
Position	Operator on call	Director of Public Works	
Business Phone	(519) 939-2480	(519) 941-3599 Ext 238	
Business Fax		(519) 941-9490	
Mobile	(519) 939-2490	(519) 215-3255	
Home Phone			
E-mail	n/a	matt.doner@townofmono.com	

Record last updated: Dec. 6, 2024

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D.3.11 Town of New Tecumseth

Address: 24 Tupper Street, West, Alliston, ON, L9R 1H2

Website: newtecumseth.ca

Contacts:

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	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Dan Heydon	Pam Forfar	Pamela Fettes
Position	Fire Chief / Director of Emergency Services / CEMC	Administrative Asst to Dir. Of Emergency Services	Clerk\Director of Administration
Business Phone	(705) 415-3080	(705) 415-3155	(705) 415-3153
Additional email	publicworks@newtecumseth.ca	publicworks@newtecumseth.ca	publicworks@newtecumseth.ca
Mobile	(705) 623-3461	(705) 279-2087	(705) 321-0673
Home Phone	(705) 435-7443		
E-mail	dheydon@newtecumseth.ca	pforfar@newtecumseth.ca	pfettes@newtecumseth.ca
	After Hours	After Hours	After Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Dan Heydon	Shawn Sweeney	Simon Worley
Position	Fire Chief / Director of Emergency Services / CEMC	Deputy Fire Chief / Alternate CEMC	Deputy Fire Chief / Alternate CEMC
Business Phone	(705) 415-3080	(705) 415-1960	(705) 415-1978
Additional email	publicworks@newtecumseth.ca	publicworks@newtecumseth.ca	
Mobile	(705) 623-3461	(905) 801-0052	(705) 623-4462
Home Phone	(705) 435-7443	(905) 936-4448	
E-mail	dheydon@newtecumseth.ca	ssweeney@newtecumseth.ca	sworley@newtecumseth.ca

Record last updated: Nov. 25, 2024

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D.3.12 Town of Shelburne

Address: 203 Main Street East, Shelburne, ON, L9V 3K7

Website: www.shelburne.ca

Contacts:

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Jim Moss	Will Thomson
Position	Dir. of Development & Operations	Manager, Parks, Operations & Facilities
Business Phone	(519) 925-2500 x227	(519) 925-2500 x258
Business Fax	(519) 925-6134	(519) 925-6134
Mobile	(519) 215-0946	(519) 215-2598
Home Phone	(705) 435-4404	
E-mail	jmos@shelburne.ca	wthomson@shelburne.ca
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Brad MacDonald	Rob Matthews
Position	Public Works Supervisor	Utilities Supervisor
Business Phone	(519) 925-3200	(519) 925-3200
Business Fax	(519) 925-0810	(519) 925-0810
Mobile	(519) 215-3454	(226) 558-2079
Home Phone		
E-mail	bmacdonald@shelburne.ca	rmatthews@shelburne.ca

Record last updated: Nov. 25, 2024

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D.3.13 Town of Wasaga Beach

Address: 30 Lewis Street, Wasaga Beach, ON, L9Z 1A1

Website: www.wasagabeach.com

Contacts:

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Craig Williams	Dan Bell
Position	Fire Chief / CEMC	Deputy Fire Chief
Business Phone	(705) 429-5281	(705) 429-5281
Business Fax	(705) 429-0432	(705) 429-0432
Mobile	(705) 443-1400	(705) 529-9407
Home Phone		
E-mail	craig.williams@wasagabeach.com	dan.bell@wasagabeach.com
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Kevin Lalonde	Gerald Reu
Position	Public Works Director	Public Works, Operations Manager
Business Phone	(705) 429-2540	(705) 429-2540
Business Fax	(705) 429-8226	(705) 429-8226
Mobile	(705) 443-7540	(705) 446-5102
Home Phone		
E-mail	kevin.lalonde@wasagabeach.com	gerald.reu@wasagabeach.com

Record last updated: Nov. 25, 2024

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D.3.14 Township of Adjala-Tosorontio

Address: 7855, 30th Sideroad, RR#1, Alliston, ON, L9R 1V1

Website: www.adjtos.on.ca

Contacts:

	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Brent Ferguson	Matt Poliziani	Debra Balfour
Position	Public Works Roads Foreman	Fire Chief	Emergency Services Assistant
Business Phone	(705) 434-5055 x236	(705) 434-5055 ext. 234	(705) 434-5055 ext. 229
Business Fax			
Mobile	(705) 716-1388	705-718-1912	705-241-1247
Home Phone			
E-mail	bferguson@adjtos.ca	dbailey@adjtos.ca	dbalfour@adjtos.ca
	After Hours	After Hours	Additional Contacts
	Primary Contact	Alternate Contact	Business & After hours
Name	Brent Ferguson	Matt Poliziani	Cait Casinha
Position	Public Works Roads Foreman	Fire Chief	Public Works Admin
Business Phone	(705) 434-5055 x236	(705) 434-5055 ext. 234	(705) 434-5055 ext. 248
Business Fax			
Mobile	(705) 716-1388	705-718-1912	
Home Phone			
E-mail	bferguson@adjtos.ca	dbailey@adjtos.ca	ccasinha@adjtos.ca

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Record last updated: Nov. 26, 2024

D.3.15 Township of Amaranth

Address: 374028 6th Line, Amaranth, ON, L9W 0M6

Website: www.amaranth.ca

Contacts:

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Kevin Watson	None provided
Position	Roads Superintendent	
Business Phone	(519) 941-1007 ext. 229	
Business Fax	(519) 941-1802	
Mobile	(519) 278-0520	
Home Phone		
E-mail	kwatson@amaranth.ca	
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Blair Des Roche	None provided
Position	Public Works Foreman	
Business Phone	(519) 941-1065 ext. 229	
Business Fax	(519) 941-1802	
Mobile	(519) 942-6632	
Home Phone		
E-mail	bdesroche@amaranth.ca	

Record last updated: January 20, 2025

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D.3.16 Township of Clearview

Address: 217 Gideon Street, Stayner, ON, L0M 1S0

Website: www.clearviewtwp.on.ca

Contacts:

	Business Hours	Business Hours
	Primary Contact	Dan Perreault
Name	Scott Davison	Deputy Director of Public Works
Position	Fire Chief	(705) 428-6230 ext.230
Business Phone	(705) 428-6230 ext.403	(705) 428-2993
Business Fax	(705) 428-6144	(705) 441-4106
Mobile	(705) 441-2808	(705) 734-2325
Home Phone		dperreault@clearview.ca
E-mail	sdavison@clearview.ca	Dan Perreault
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Dan Perreault	Scott Davison
Position	Deputy Director of Public Works	Fire Chief
Business Phone	(705) 428-6230 ext.230	(705) 428-6230 ext.403
Business Fax	(705) 428-2993	(705) 428-6144
Mobile	(705) 441-4106	(705) 441-2808
Home Phone	(705) 734-2325	
E-mail	dperreault@clearview.ca	sdavison@clearview.ca

Record last updated: Feb 11, 2025

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D.3.17 Township of Essa

Address: 5786 County Road 21, Utopia, ON, L0M 1T0

Website: www.essatownship.on.ca

Contacts:

	Business Hours	Business & After Hours	Business & After Hours
	Primary Contact	Primary Contact	Alternate Contact
Name	Doug Burgin	Michael Mikael	John Kolb
Position	Fire Chief/CEMC	CAO	Manager of Public Works
Business Phone	(705) 424-5828	(705) 424-9917 ext. 135	(705) 424-9917 ext. 112
Business Fax	(705) 424-4185	(705) 424-2367	(705) 424-2367
Cell	(705) 623-1734	(705) 623-3240	(705) 305-3484
Home Phone			
E-mail	dburgin@essatownship.on.ca	mmikael@essatownship.on.ca	jkolb@essatownship.on.ca
	After Hours	After Hours	
	Primary Contact	Alternate Contract	
Name	Doug Burgin	Gary McNamara	
Position	Fire Chief/CEMC	Deputy Chief/Alternate CEMC	
Business Phone	(705) 424-5828	705-424-5828	
Business Fax	(705) 424-4185	705-424-4185	
Cell	(705) 623-1734	705-623-3192	
Home Phone			
E-mail	dburgin@essatownship.on.ca	gmcnamara@essatownship.on.ca	

Record last updated: Nov. 25, 2024

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D.3.18 Township of Melancthon

Address: 157101 Hwy 10, Melancthon, ON, L9V 2E6

Website: <http://melancthontownship.ca>

Contacts:

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Denise Holmes	Craig Micks
Position	Emergency Coordinator	Public Works Superintendent
Business Phone	(519) 925-5525	(519) 925-5525
Business Fax	(519) 925-1110	(519) 925-1110
Mobile	(519) 943-5525	(519) 939-1957
Home Phone		
E-mail	dholmes@melancthontownship.ca	roads@melancthontownship.ca
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Craig Micks	Denise Holmes
Position	Public Works Superintendent	Emergency Coordinator
Business Phone	(519) 925-5525	(519) 925-5525
Business Fax	(519) 925-1110	(519) 925-1110
Mobile	(519) 939-1957	(519) 943-5525
Home Phone		
E-mail	roads@melancthontownship.ca	dholmes@melancthontownship.ca

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Record last updated: Nov. 26 2024

D.3.19 Township of Mulmur

Address: 758070 2nd Line East, Mulmur, ON, L9V 0G8

Website: www.mulmurtownship.ca

Contacts:

	Business Hours	Business Hours
	Primary Contact	Alternate Contact
Name	Bruce Crawford	Chris Molnik
Position	Works Foreman	Director of Infrastructure
Business Phone	705-466-3341 ext. 228	705-466-3341 ext. 224
Business Fax	705-466-2922	705-466-2822
Mobile	705-440-0582	249-733-6100
Home Phone	705-428-5374	
E-mail	bcrawford@mulmur.ca	cwolnik@mulmur.ca
	After Hours	After Hours
	Primary Contact	Alternate Contact
Name	Bruce Crawford	Chris Molnik
Position	Works Foreman	Director of Infrastructure
Business Phone	705-466-3341 ext. 228	705-466-3341 ext. 224
Business Fax	705-466-2922	705-466-2822
Mobile	705-440-0582	249-733-6100
Home Phone	705-428-5374	
E-mail	bcrawford@mulmur.ca	cwolnik@mulmur.ca

Record last updated: Nov. 26, 2024

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D.3.20 Township of Oro-Medonte

Address: 148 Line 7 South, Box 100, Oro, ON, L0L 2X0

Website: www.oro-medonte.ca

Contacts:

	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Dylan Flannery	Karla Musso Garcia	Roree Payment
Position	Director, Operations & Community Services	Manager, Operations	Fire Chief (as of Feb. 3, 2025)
Business Phone	(705) 487-2171	(705) 487-2171 ext. 2124	(705) 487-2171
Business Fax	(705) 487-0133	(705) 487-0133	
Mobile	(705) 817-5154	(705) 238-8113	(705) 330-5672
Home Phone			
E-mail	dfannery@oro-medonte.ca	kmussogarcia@oro-medonte.ca	rpayment@oro-medonte.ca
	After Hours	After Hours	
	Primary Contact	Alternate Contact	
Name	Karla Musso Garcia	Dylan Flannery	
Position	Manager, Operations	Director, Operations & Community Services	
Business Phone	(705) 487-2171 ext. 2124	(705) 487-2171	
Business Fax	(705) 487-0133	(705) 487-0133	
Mobile	(705) 238-8113	(705) 817-5154	
Home Phone			
E-mail	kmussogarcia@oro-medonte.ca	dfannery@oro-medonte.ca	

Record last updated: Jan. 20, 2025

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D.3.21 Township of Springwater

Address: 1110 Highway 26, Midhurst, ON, L0L 1X0

Website: www.springwater.ca

Contacts:

	Business Hours	Business Hours	Business Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Jeff French	Jeff Kirk	Jeff Schmidt
Position	Deputy Fire Chief	Fire Chief	CAO
Business Phone	(705) 728-4784 x2057	(705) 728-4784 x2031	(705) 728-4784 X 2009
Business Fax	(705) 726-7223	(705) 726-7223	(705) 728-6957
Mobile	(705) 305-4798	(705) 279-7694	(705) 220-2583
Home Phone	(705) 322-7304	(705) 279-7694	(705) 331-0508
E-mail	jeff.french@springwater.ca	jeff.kirk@springwater.ca	jeff.schmidt@springwater.ca
	After Hours	After hours	After Hours
	Primary Contact	Alternate Contact	Alternate Contact
Name	Jeff French	Jeff Kirk	Jeff Schmidt
Position	Deputy Fire Chief	Fire Chief	CAO
Business Phone	(705) 728-4784 x2057	(705) 728-4784 x2031	(705) 728-4784 X 2009
Business Fax	(705) 726-7223	(705) 726-7223	(705) 728-6957
Mobile	(705) 305-4798	(705) 279-7694	(705) 220-2583
Home Phone	(705) 322-7304	(705) 279-7694	(705) 331-0508
E-mail	jeff.french@springwater.ca	jeff.kirk@springwater.ca	Jeff.schmidt@springwater.ca

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Record last updated: Nov. 25, 2024

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D.4 Provincial Contacts

D.4.1 Emergency Management Ontario

During office hours call Ernie Hills, Community Officer at (705) 286-6653, after hours call OPP duty officer at (705) 329-6950

Additional contact: Bobby De Hetre, Field Officer Emergency Management Ontario Tel: (437) 552-5372

bobby.dehetre@ontario.ca

D.4.2 Ministry of Natural Resources and Forestry (MNR)

D.4.2.1 Provincial Emergency Response Coordinator (PERC)

MNR's Emergency Response Centre (Sault Ste. Marie)

- The PERC coordinates response to resource requests made by MNR Districts and CA's during flood emergencies, according to MNR's Emergency Response Plan.
- The MNR Emergency Management Program has implemented a **24/7 Provincial Emergency Response Coordinator Hotline**. This number ensures contact with the MNR PERC through the Provincial Coordination Centre.
- The **PERC Hotline number** is **1-866-898-7372**



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Agency	Phone/Cell	Fax	E-mail Address	Use when
Provincial Emergency Response Coordinator	1-866-898-7372 (24/7) Emergency Only	1-705-945-5785		Primary Provincial Contact will disseminate information to other provincial entities (e.g. Districts, MOEC, MEMC)
Ministry Emergency Operations Centre	1-705-945-5750	1-705-945-5785	meoc-duty.mnr@ontario.ca meoc-mail.mnr@ontario.ca meoc-weather.mnr@ontario.ca	Alt MNRF Emergency Management contact
Ministry Emergency Management Coordinator	1-705-541-5118	1-705-945-5785		Alt MNRF Emergency Mgmt contact Aviation, Forestry, Fire & Emerg Services (AFFES)
Provincial Emergency Operations Centre	1-866-314-0472		peocdo01@ontario.ca	If unable to contact MNRF or for municipalities/ministri es requesting support/assistance

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Contact Name	Phone	Fax	E-mail Address
MNRF Surface Water Monitoring Centre Attn: Duty Officer 300 Water Street, P.O. Box 7000, 5 th Floor South Peterborough ON, K9J 8M5	1-705-755-5201 (phone) 1-705-761-2044 (cell)	1-705-755-5038	surface.water@ontario.ca
PERC Provincial Response (MNRF/AFFES) Emergency Coordinator	1-866-898-7372 (24/7) Emergency Only	1-705-945-5785	
MEOC Ministry Emergency Operations Centre (MNRF/AFFES)	1-705-945-5750	1-705-945-5785	meoc-duty.mnr@ontario.ca meoc-mail.mnr@ontario.ca meoc-weather.mnr@ontario.ca
MEMC Ministry Emergency Management Coordinator (MNRF/AFFES)	1-705-541-5118	1-705-945-5785	

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Contact Name	Phone	Fax	E-mail Address
PEOC Provincial Emergency Operations Centre (MCSCS / OFMEM)	1-866-314-0472		peocdo01@ontario.ca
Ministry of the Solicitor General (MSG) Jude Kelly - Golden Horseshoe EM Field Operations 25 Morton Shulman Ave 5 th Fl Toronto, ON M3M 0B1	1-866-565-1842 Mobile: 416-951-1285 Emergency Management Ontario (EMO)		
EMO Bruce Sector Darin Dees, Field Officer	OFMEM Tel: (437) 237-8024		darin.dees@ontario.ca
EMO Bruce Sector Bobby De Hetre, Field Officer	C: 437-552-5372		bobby.dehetre@ontario.ca
EMO Bruce Sector Brendan MacMullin, Field Officer			brendan.macmullin@ontario.ca
MECP Spills Centre	1-800-268-6060		

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D.4.2.2 MNRF Surface Water Monitoring Centre

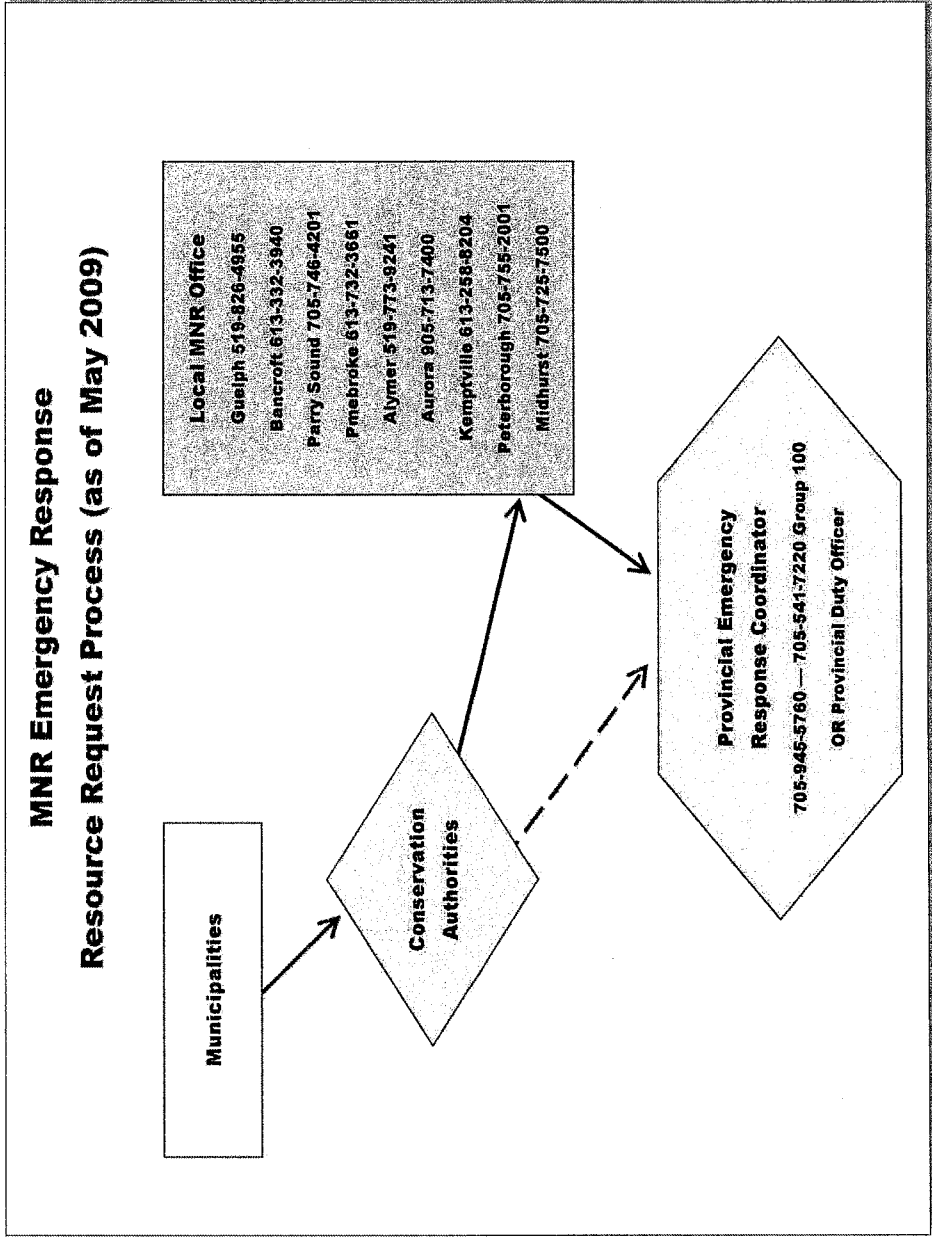
Surface Water Monitoring Centre Staff (Contact the DUTY OFFICER directly.) Updated Feb 28, 2023

FLOOD DUTY OFFICER: 24hrs/day – 7 days/week	(705) 755-5201 voice line (monitored during regular office hours)
	(705)755-5038 OR 755-5039 FAX (monitored during regular office hours)
	DUTY OFFICER CELL PHONE (705) 761-2044 (after hours and weekends)
	Email: surface.water@ontario.ca
Dave Burritt, P.Eng	Coordinator, Surface Water Monitoring Centre
Gordon Gallant	Hydrometric Specialist
Lak Ramanathan	Hydrometric Specialist
Andy Beaton	Hydrometric Specialist (On assignment)
Amber Langmuir, P.Eng	Water Resource Engineer
Iryna Shulyarenko	Hydrometric Specialist (Acting)
Camelia Rushmir-Woods	Program and Policy Officer

*Last Modified Jan 10, 2023***D.4.2.3 MNRF Local Response Coordinators**

District	Contact Name	Phone	Fax	Cell	Email
Midhurst Primary Contact	Shawn Carey	(705) 725-7561	(705) 725-7584	(705) 734-8128	Shawn.carey@ontario.ca
Midhurst Alternate Contact	Suzanne Robinson	(705) 725-7598	(705) 725-7584	(705) 220-8138	Suzanne.robinson@ontario.ca
Aurora Primary Contact	Dan Thompson			(226) 974-5882	Dan.L.Thompson@ontario.ca
Aurora Alternate Contact	Tracy Goodwin	(905) 713-7385		(289) 221-5632	Tracy.goodwin@ontario.ca

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D.5 Flood Messages Contact Lists

D.5.1 Watershed Condition Statement Contact List

Watershed Condition Statements are directed towards schools and the media to promote awareness of potentially hazardous situations. Police services are also notified of the Statement, to ensure that they are prepared for any emergencies that may arise as a result of the hazard.

The following is a list of the types of organizations that should be contacted, and where the contact information is located in this document:

Organization	Contact Location in Document
Police Services	Appendix D.2.1
School Boards	Appendix D.2.2
Schools within floodplains	Appendix D.2.3
Daycares and nurseries within floodplains	Appendix D.2.4
Local Media	Appendix D.2.5
Mills/Dams	Appendix D.2.6
Adjacent conservation authorities	Appendix D.1.2
Chair, Vice-Chair & CAO of the Authority	Appendix D.1.1
Municipalities and Counties	Appendix D.3

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D.5.2 Flood Watch/Warning Contact List

Flood Watches and Warnings are directed towards the municipalities and police services to advise of potential or imminent flooding, and to initiate preparedness in the event of a flood emergency. All Flood Safety Advisory contacts are also notified of the Watch or Warning, to ensure that they are also prepared for any potential emergencies.

The following is a list of the types of organizations that should be contacted, and where the contact information is located in this document:

Organization	Contact Location in Document
Police Services	Appendix D.2.1
School Boards	Appendix D.2.2
Schools within floodplains	Appendix D.2.3
Daycares and nurseries within floodplains	Appendix D.2.4
Local Media	Appendix D.2.5
Mills/Dams	Appendix D.2.6
Adjacent conservation authorities	Appendix D.1.2
Chair, Vice-Chair & CAO of the Authority	Appendix D.1.1
Municipalities and Counties	Appendix D.3
Provincial Contacts	Appendix D.4

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D.5.3 Shoreline Hazard Warning List

Shoreline Hazard Warnings are intended to provide notice of high lake levels and/or critical wave setups. These are directed to municipalities and emergency services, to initiate preparedness in the event of a shoreline emergency.

The following is a list of the types of organizations that should be contacted, and where the contact information is located in this document:

Organization	Contact Location in Document
Police Services	Appendix D.2.1
Local Media	Appendix D.2.5
Adjacent conservation authorities	Appendix D.1.2
Chair, Vice-Chair & CAO of the Authority	Appendix D.1.1
Municipalities and Counties	Appendix D.3

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Appendix E: Distribution List

The following municipalities and agencies receive copies of the Flood Contingency Plan. The plan is circulated electronically as a pdf. Alternative formats are available from the NVCA.

- Simcoe, County of (Manager of Emergency Services)
- Dufferin, County of
- Grey, County of
- Adjala-Tosorontio
- Amaranth, Township of
- Bradford West Gwillimbury, Town of
- Blue Mountains, Town of
- Barrie, City of
- Collingwood, Town of
- Clearview, Township of
- Essa, Township of
- Grey Highlands, Municipality of
- Innisfil, Town of
- Mulmur, Township of
- Mono, Town of
- Melancthon, Township of
- New Tecumseth, Town of
- Oro-Medonte, Township of
- Shelburne, Town of
- Springwater, Township of
- Wasaga Beach, Town of
- Provincial Emergency Response Coordinator
- EMO Community Officer
- MNR District Office, Midhurst
- MNR SWMC, Peterborough
- OPP, Beeton
- County of Simcoe Paramedic Services

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Appendix F: Flood Damage Centres

Flood Damage Centres are those areas within the watershed that are known to be susceptible to damages during flood situations. As a result, these areas are observed on a continuous basis to evaluate the extent of damage that occurs under various degrees of flooding.

APPENDIX F: NVCA Flood Patrol Stations									
	Site	Lot	Conc	Municipality	Watercourse	Nearest Road or Intersection	Description	Measure Level	Comments
South West (Amaranth/Mono/Adjala Tosorontio/Shelburne)									
SW1	Rosie Trailer Park	26	6	Adjala-Tos	Sheldon Creek	Hwy 50 South of 30 th Sideroad	Campground floods		
SW2	Concession 5	22	3	Adjala-Tos	Nottawasaga	Concession Road 5 South of 25 th Sideroad	Campground	YES	From bridge deck
SW3	River Road	22	3	Adjala-Tos	Nottawasaga	Small Lane - Concession Road 4 (South of 25 th Sideroad)		YES	From bridge deck
SW4	Concession 2	15	2	Adjala-Tos	Nottawasaga	Concession Road 2 North of Hockley Road	Cottages, roads		
SW5	Village of Hockley	14	1	Adjala-Tos	Nottawasaga	Mono-Adjala Townline North of Hockley Rd	Stream gauge		May be req'd to check gauge
SW6	County Road 18 (Airport Road)	12	7	Mono	Nottawasaga	County Road 18 at Hockley Road	Cottages		
SW7	Glen Cross	10	9	Mono	Nottawasaga	3 rd Line EHS at Hockley Road	1st bridge north of Hockley Road		
SW8	Mono Centre Office	16	2	Mono	Nottawasaga	County Road 8 between 1 st Line and 2 nd Line	Weather Station		Mounted to public works bld
SW9	Besley Drain	32	2	Shelburne	Besley Drain	Main Street west of Simon Street	Municipal drain		
SW10	Shelburne	2	2	Shelburne	Nottawasaga	Owen Sound Street North of Susan Street	Town of Shelburne waterways		
North Central (Clearview/Springwater/Wasaga Beach/Stayner)									
NC1	Sturgeon Creek	10	22	Wasaga Beach	Sturgeon Creek	Deerbrook Drive (West of Wydunas Court)	Upstream of mouth		Low Lying Homes
NC2	Edenvale	21	1	Springwater	Nottawasaga	Highway 26 (West of Glengarry Landing Rd S)	Widespread flooding	YES	From bridge deck
NC3	Clearview	2	23	Clearview	Nottawasaga	Don Ross Drive	Homes		Low lying homes, road floods
NC4	New Lowell Dam	10	4	Clearview	Coates Creek	Hogback Road (South of County Road 9)	New Lowell Dam	YES	
NC5	County Road 9	1	4	Clearview	Coates Creek	County Road 9 (West of 3/4 Sideroad)	Homes	YES	Low Lying Homes
NC6	Stayner	24	3	Clearview	King St Drain	Brock Street east of Elm St. & County Road 42 south of Quebec Street	ice jams		Ice and grate plugging

APPENDIX F: NVCA Flood Patrol Stations									
	Site	Lot	Conc	Municipality	Watercourse	Nearest Road or Intersection	Description	Measure Level	Comments
NC7	Stayner	25	2	Clearview	Lamont Creek	Scott Street north of Highway 26	Homes		Low Lying Homes
NC8	Trillium Creek	32	2	Wasaga Beach	Trillium Creek	Ramblewood Drive	Various locations		Low Lying Homes
NC9	Wasaga Beach	34	3	Wasaga Beach		Cedar Grove Park along Hwy 26	ditch along Hwy 26 at Cedar Grove Park		
NC10	Shoreline			Wasaga Beach	Georgian Bay		Waves, storm surges		
NC11	Wasaga Beach	4	16	Wasaga Beach	Nottawasaga	River Road			
NC12	Wasaga Beach	3	15	Wasaga Beach	Nottawasaga	Oxbow Park Drive	Visual levels at public access point to the South of #686 Oxbow Park Drive and #208		Low Lying Homes, ice jam location
NC13	Wasaga Beach	4	15	Wasaga Beach	Nottawasaga	Knox Street E	Homes		Low Lying Homes
NC14	Wasaga Beach	9	16	Wasaga Beach	Nottawasaga	Klondike Park Road (South of Powerline Rd)	Klondike Park Bridge, through deck drain	YES	From bridge deck
NC15	Wasaga Beach	9	16	Wasaga Beach	Nottawasaga	Mosley-between 4th and 5th	Nancy Island Area and Mouth of the River		Ice Jam Location
NC16	Lamont Creek, Stayner	26	2	Clearview	Lamont Creek	Highway 26, South of North Street			Flooding of Vinegar Plant, houses
NC17	Clearview near Minesing	22	2	Clearview	Mad River / Nottawasaga R.	McKinnon Road / Concession 2 Sunnidale			Road, properties flood
North East (Oro-Medonte/Springwater)									
NE1	Coldwater River - Moonstone Rd.	15	10	Oro-Medonte	Coldwater	Moonstone Road East of the 400 - Between Line 9 & 10	Road overtopping	YES	Chronic problem - 6" over road
NE2	Bass Lake - East/South Shore	2	14	Oro-Medonte	North	Horseshoe Valley Road / Line 13 North		YES	Shoreline Property
NE3	Coulson Tributary of Coldwater River	3	7	Oro-Medonte		Mill Pond Rd. east of Line 6			

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APPENDIX F: NVCA Flood Patrol Stations									
	Site	Lot	Conc	Municipality	Watercourse	Nearest Road or Intersection	Description	Measure Level	Comments
NE4	Willow Creek - St. Vincent Street	15	3	Springwater	Willow Creek	St. Vincent		YES	Staff Gauge on East Side of Bridge
NE5	Willow Creek - Con 7 & 8	7	7	Springwater	Willow Creek	Wilson Drive (North of Highway 26)		YES	measuring location
NE6	Willow Creek at County Road 28	10	9	Springwater	Willow Creek	George Johnston Road	Wide floodplain		
NE7	Wye River in Elmvale	6	8	Springwater	Wye River	Highway 92 - Heritage Park		YES	From bridge deck
NE8	Springwater Waste Water Treatment Plant	4	10	Springwater	Wye River	Flos Road 10E	East of CR-27		
NE9	Orr Lake - East and North Shore	66	1	Springwater	Wye River	Penetanguishene Road			Shoreline property
NE10	Sturgeon River - Line 3 North	15	4	Oro-Medonte	Sturgeon	Line 3 North / Moonstone Road West		YES	Low lying homes
NE11	Wye River, Elmvale	6	9	Springwater	Wye River	Amelia Street / William Street, Elmvale			Road, yards, houses flood
NE12	Wye River, Elmvale			Springwater	Wye River	Flos Road 11E	East of CR-27		Field near house & barn floods
South Central East (New Tecumseth/Essa)									
SCE1	Angus	18	1	Essa	Mad River	County Road 10	D/S side, top of rail to water	YES	Road closures
SCE2	Angus	31	3	Essa	Pine River	End of Water Street			Low lying homes, road floods
SCE3	Angus	31	3	Essa	Nottawasaga	Centre Street - 30th Sideroad	From deck to water level at the gauge pole	YES	
SCE4	Angus	32	4	Essa	Nottawasaga	County Rd 90			
SCE5	Utopia Dam	29	6	Essa		6th Line - 30th Sideroad	NVCA Dam & Reservoir	YES	
SCE6	Duffers Dugout	32	9	Essa	Bear Creek	Hwy 90			Low lying homes
SCE7	Nottawasaga River	18	6	Essa	Nottawasaga	Trillium Lane, east of County Rd. 56, north of County Rd. 21			
SCE8	Baxter Gauge	16	5	Essa	Nottawasaga	County Rd 21 (West of 6 th Line)	Water Survey Canada Gauge Station 02ED003	ONLY IF REQUESTED	May need manual reading from tape

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APPENDIX F: NVCA Flood Patrol Stations									
	Site	Lot	Conc	Municipality	Watercourse	Nearest Road or Intersection	Description	Measure Level	Comments
SCE9	Nottawasaga River	6	5	Essa	Nottawasaga	6th Line / 5th Sideroad			
SCE10	Alliston	3	1	New Tecumseth	Wilson Drain	Boyne Street		YES	
SCE11	Alliston	14	2	New Tecumseth	Spring Creek	Centre Street	U/S railway		
SCE12	Alliston	1	7	New Tecumseth	Boyne River	King St. just north of Victoria St.	Box culvert downstream of King St. @ townhouse complex	YES	
SCE13	Alliston	1	2	New Tecumseth	Boyne River	Sir Frederick Banting Rd			Sewage Treatment Plant
SCE14	Nicholson Dam	1	5	Essa	Nottawasaga	Highway 89	Private Dam		Ice Jam location, dam
SCE15	Briar Hill	9	13	New Tecumseth	Nottawasaga	14th Line, west of Tottenham Road		YES	From bridge deck
SCE16	Innisfil Creek	9	12	New Tecumseth	Innisfil Creek & Upper Nottawasaga convergence	13 th Line, west of 10th Sideroad	potential flood site accessed only through private drive just before west side of bridge		
SCE17	Tottenham Road	6	12	New Tecumseth	Nottawasaga	County Rd 10		YES	Municipal Water well
SCE18	Innisfil Gauge	13	12	New Tecumseth	Innisfil Creek	12th Line, east of Sideroad 10	Water Survey Canada Gauge Station 02ED029	ONLY IF REQUESTED	May need manual reading from tape
SCE19	Beeton Creek	15	10	New Tecumseth	Beeton Creek	West of 11th Line to Sideroad 15	Beeton Cr. & Bailey Cr. Converge into Innisfil Cr.		
SCE20	Village of Beeton	10	9	New Tecumseth	Beeton Creek	9th Line		YES	
SCE21	Village of Beeton	10	8	New Tecumseth	Hendrie Drain	9th Line to Stewart St.			Low lying homes
SCE22	Vienneau Dam	6	5	New Tecumseth	Beeton Creek Tributary	Tecumseth Heights Dr., off 6th Line east of Tottenham Rd.	Ice control structure		
SCE23	Beeton Gauge	7	5	New Tecumseth	Beeton Creek	6th Line, East of Tottenham Road	Water Survey Canada Gauge Station 02ED100	ONLY IF REQUESTED	

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APPENDIX F: NVCA Flood Patrol Stations									
	Site	Lot	Conc	Municipality	Watercourse	Nearest Road or Intersection	Description	Measure Level	Comments
SCE24	Tottenham Dam	5	3	New Tecumseth	Beeton Creek	4th Line	NVCA Dam & Reservoir	Staff Gauge	Check reservoir water level to spillway elevation
SCE25	Beeton Creek	16	11	New Tecumseth	Beeton Creek	Sideroad 15			Field floods
SCE26	Thornton	1	7	Essa	Thornton Creek	Thornton Avenue			Yards flood
North West (Clearview/Blue Mountain/Collingwood/Grey Highlands)									
NW1	Shoreline Flooding			Collingwood	Georgian Bay				Shoreline property
NW2	Ice Diversion Structure	43	7	Collingwood	Pretty River	Oliver Crescent	Ice diversion structure		Homes cut off from standard emergency assistance
NW3	Pretty River	43	7	Collingwood	Pretty River	Hume St	NVCA Dyke		Overtopping emergency
NW4	Batteaux River	39	6	Collingwood	Batteaux River	Beachwood Rd (Old Highway 26)			Ice jam location, low lying homes
NW5	Village of Nottawa	37	8	Clearview	Pretty River	County Rd 124 - 36/37 Sideroad		YES	Upstream of damage centre in Collingwood
NW6	Village of Nottawa	34	9	Clearview	Pretty River	County Rd 124 - 33/34 Sideroad		YES	Low Lying Homes, ice jam location
NW7	Glen Huron (Devil's Glen Ski)	16	8	Clearview	Mad River	Conc 8- Station St			
NW8	Collingwood	42	10	Collingwood	Black Ash	Sixth Street (West of High Street)			Low lying homes to northwest
NW9	Silver Creek	49	12	Collingwood	Silver Creek	Highway 26		YES	From bridge deck
NW10	Collingwood	44	10	Collingwood	Black Ash	Mountain Road		YES	
NW11	Collingwood	45	9	Collingwood	Black Ash	Highway 26		YES	
NW12	Collingwood	49	12	Collingwood	Silver Creek	Forest Drive			Spill across rail trail onto road

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APPENDIX F: NVCA FLOOD PATROL STATIONS**Central West (Mulmur/Melancthon/Adjala -Tosorontio/Creemore/Avening)**

CW1	Websterville	9	6	Clearview	Mad River	County Rd. 9-Riverside Dr.-Con. 6 South Nottawasaga			Ice jam, low lying homes
CW2	Creemore	9	5	Clearview	Mad River	Caroline Street			Ice jam location
CW3	Creemore	8	4	Clearview	Mad River	Mary Street	WWTP		Ice jam location
CW4	Creemore	6	4	Clearview	Mad River	Cottage Drive - 6/7 Sideroad	D/S of WWTP		Ice jam location
CW5	Avening	4	2	Clearview	Mad River	County Rd. 42 - 3/4 Sideroad Nottawasaga			Ice jam location
CW6	Lisle			Tosorontio	Lisle Creek	County Rd 13 / 12			Low lying homes, roads
CW7	Tosorontio School	17	4	Tosorontio	Pine River	County Rd 13	U/S of Borden		
CW8	Earl Rowe	2	6	Tosorontio	Boyne River	Con. Road 7	D/S of Provincial Park		Campground floods
CW9	Earl Rowe	4	5	Tosorontio	Boyne River	Con. Road 6	U/S of Provincial Park		Gauge site, campgrounds
CW10	Boyne	7	6	Mulmur	Boyne River	Mulmur-Tosorontio Townline, South of CR-5	Headwater crossings		
CW11	Mansfield	19	6	Mulmur	Pine River	5 th Line South of 20 th Sideroad			
CW12	Dunedin	6	9	Clearview	Noisy River	County Rd. 9-Lavender Hill	U/S Cottages		
CW13	Mansfield	8	6	Mulmur	Boyne River	5 th Line South of 10 th Sideroad	Two tributaries of Boyne River		Road crossing floods yearly

South East (Innisfil/Bradford/West-Gwillimbury/Barrie/Springwater/Oro-Medonte)

SE1	Barrie	6	1	Barrie	Little Lake	Duckworth Street	Trailer Park		
SE2	Willow Creek - Penetanguishene Road	8	1	Oro-Medonte	Willow Creek	Hwy 93		YES	Low lying homes
SE3	Willow Creek - Off Highway 11, Line 2 S	21	3	Oro-Medonte	Willow Creek	Hwy 11 / Line 2			Commercial Flooding
SE4	Willow Creek @ Line 1	D	1	Oro-Medonte	Willow Creek	Line 1, North of Gore Rd.			
SE5	Barrie- Bear Creek Wetland	32	11	Barrie	Bear Creek	County Rd 27 - Highway 90			Road closures
SE6	Innisfil Creek near Highway 400	7	1	Innisfil	Innisfil Creek	Reive Boulevard, North of Highway 89			Flooding U/S of Highway 400

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APPENDIX F: NVCA FLOOD PATROL STATIONS									
SE7	Innisfil Creek	5	1	Innisfil	Innisfil Creek	Highway 89		YES	Widespread Flooding U/s & D/S
SE8	Innisfil Creek	24	12	BWG	Innisfil Creek	Highway 27		YES	Low lying properties
SE9	Cookstown	1	11	Innisfil	Cookstown Creek	Highway 89/Queen - 11th Line		YES	

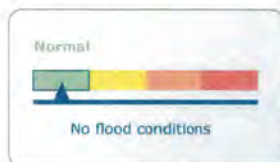
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Flood Status Fact Sheet

NVCA issues flood messages to municipalities and other agencies to advise of potential flooding.

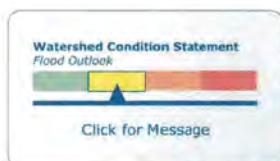
Types of Flood Messages



Normal:
No flood conditions exist.



Watershed Conditions Statement—Water Safety:
High flows, unsafe banks, melting ice or other factors could be dangerous for recreational users such as anglers, canoeists, hikers, children, pets, etc. Flooding is not expected.



Watershed Conditions Statement—Flood Outlook:
Early notice of the potential for flooding based on weather forecasts calling for heavy rain, snow melt, high wind or other conditions that could lead to high runoff, cause ice jams, lakeshore flooding or erosion.



Flood Watch:
Flooding is possible in specific watercourses or municipalities. Municipalities, emergency services and individual landowners in flood-prone areas should prepare.



Flood Warning:
Flooding is imminent or already occurring in specific watercourses or municipalities. Municipalities and individuals should take action to deal with flood conditions. This may include road closures and evacuations.

Flood Message Circulation & Notification

How flood messages are circulated and the public notified:

- NVCA emails or faxes messages directly to contacts at municipalities, EMS, media, agencies, etc.
- NVCA posts messages to website (www.nvca.on.ca), shares on social media and updates NVCA flood information line (705-424-1479, option 1).
- Local media share messages on their news broadcasts and on social media.
- Municipalities and EMS share flood information on social media.

Contacts for NVCA Flood Duty Officer: 705-424-1479

Flood Concerns & Emergencies: As a reminder, the public should contact their municipality for non-emergency flooding concerns. In emergency situations, the public should call 911.



Nottawasaga Valley Conservation Authority (NVCA)
8195 8th Line, Utopia, Ontario, L0M 1T0
Tel: 705-424-1479 – Fax: 705-424-2115 - www.nvca.on.ca

Nottawasaga Valley Conservation Authority Watershed



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