



SOUTH NATION
CONSERVATION
DE LA NATION SUD

Presentation to Edwardsburgh/Cardinal: SEPTIC PROGRAM

November 13, 2023

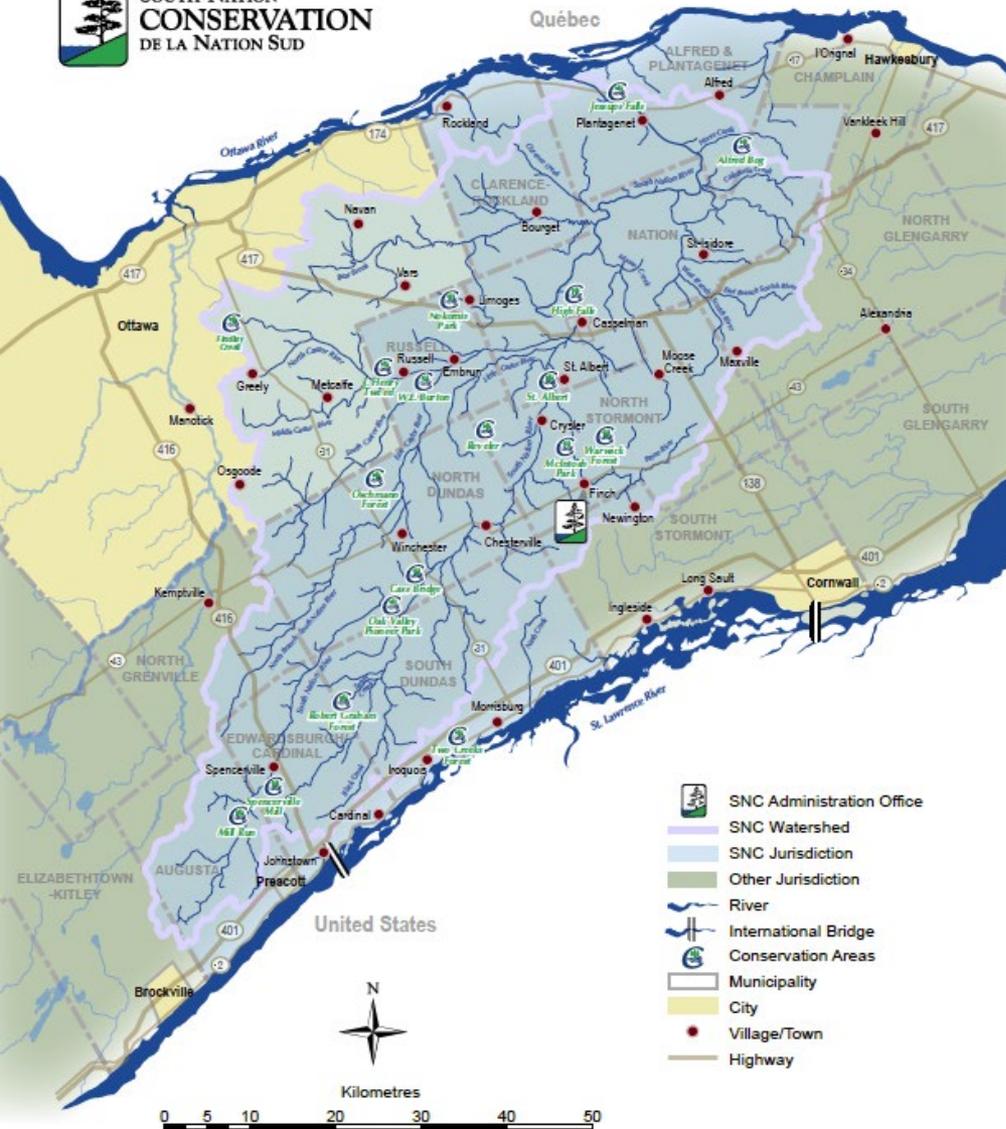




Our Local Environment; We're in it Together.



SOUTH NATION
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- One of Ontario's 36 Conservation Authorities
- Community-based watershed management
- 16 member municipalities including City of Ottawa
- 4,480 km² jurisdiction in Eastern Ontario





Protecting People and Property: Supporting Sustainable Development



Lemieux Landslide, 1993



Ottawa River Flooding, 2017

Through municipal agreements, we deliver:

- Natural Hazard Mapping and Regulations (Floodplains, Landslides, Unstable Slopes)
- Municipal Septic Inspection Program

Through provincial and municipal partnerships:

- Flood Forecasting and Warning and Low Water Response Programs
- Environmental Planning Reviews
- Natural Hazard, Provincially Significant Wetland and Shoreline Alteration Permitting
- Drinking Water Source Protection
- Maintain Water and Erosion Control Structures (8 structures)



Protecting People and Property: Supporting Sustainable Development



Fish Habitat Compensation Project, Port of Johnstown



Port of Johnstown Expansion
SNC streamlined environmental approvals

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Protecting People and Property: Supporting Sustainable Development



Chrysler Dam

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Chesterville Dam



Protecting People and Property: Supporting Sustainable Development



SNC delivers Part 8 (Sewage Systems) of the Ontario Building Code on behalf of 17 municipalities

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Empowering Communities and Fostering Landowner Stewardship

Through partnerships with Municipalities and Counties we work together to offer:



- **Tree Planting Programs**
- **Woodlot Advisory Services**
- **Clean Water Programs**

We also work with partners to support environmental initiatives that empower our communities to make environmentally sound decisions and actions.

In 2018, SNC planted its 3 millionth tree since 1990.



Protecting Natural Spaces and Providing Outdoor Opportunities



Dock installed at Jessup's Falls Conservation Area with support from fundraising revenue.

Through municipal cost-share agreements:

- Operate 15 day-use parks and trails and 9 docks and boat launches

Through donation and partial purchase of ecologically significant land:

- Own 13,000 acres of community land



Forest operations support community land management.

Through municipal cost-recovery agreement:

- Manage 20,000 acres of community forest
- Provide at-cost municipal forestry services

Professional resource sharing between partners, management of regional forests, and cost-effective recreational opportunities.



SNC Septic Program: Highly Qualified Team



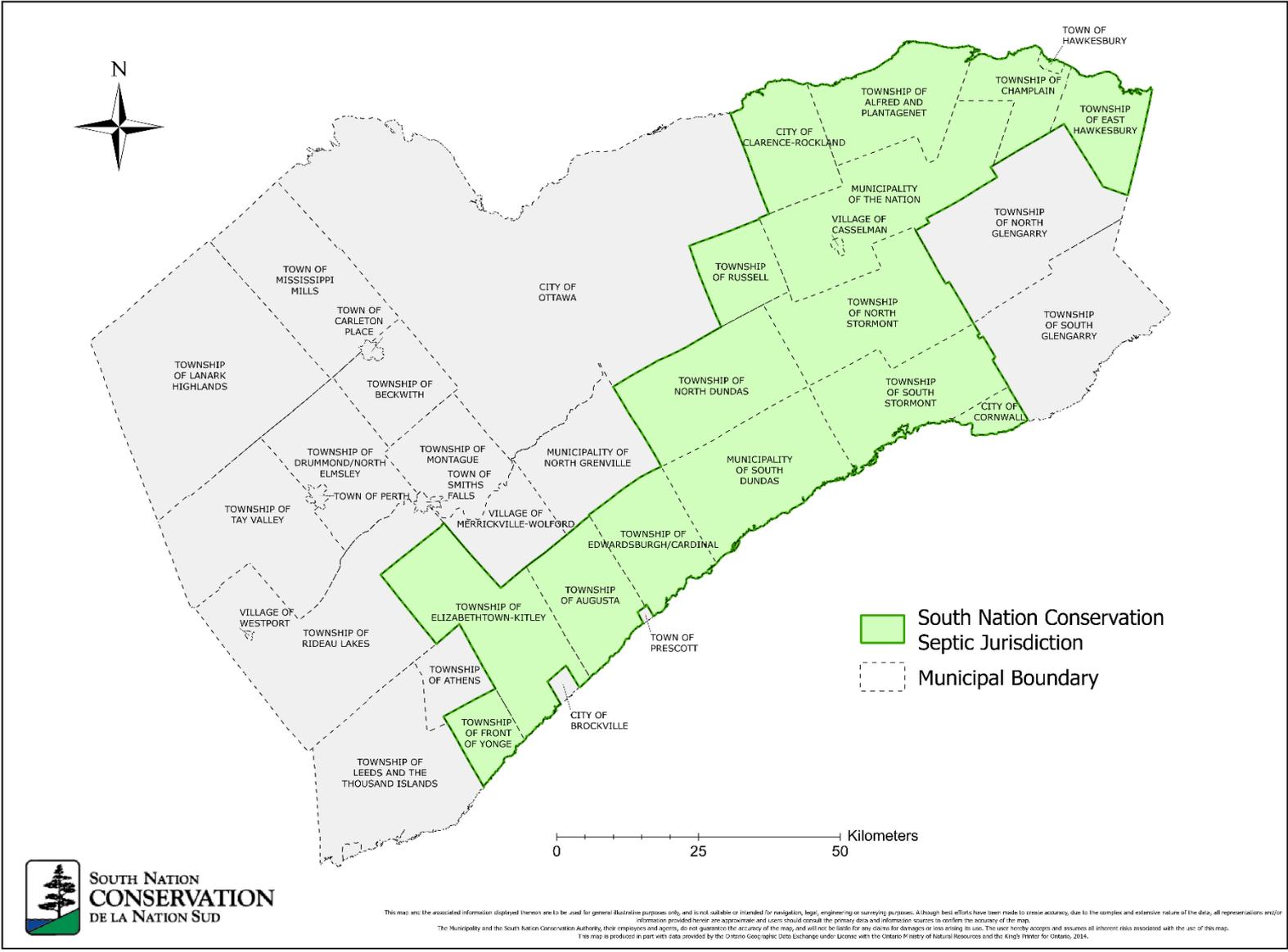
Excavation Inspection with Miller Excavation
Township of Elizabethtown-Kitley

Septic System Program – Part 8 of the Ontario Building Code

- SNC septic program established in 1999
- Four full-time, certified, licensed staff
- Bilingual staff and free value-added environmental program support
- 50 years of combined experience across Eastern Ontario

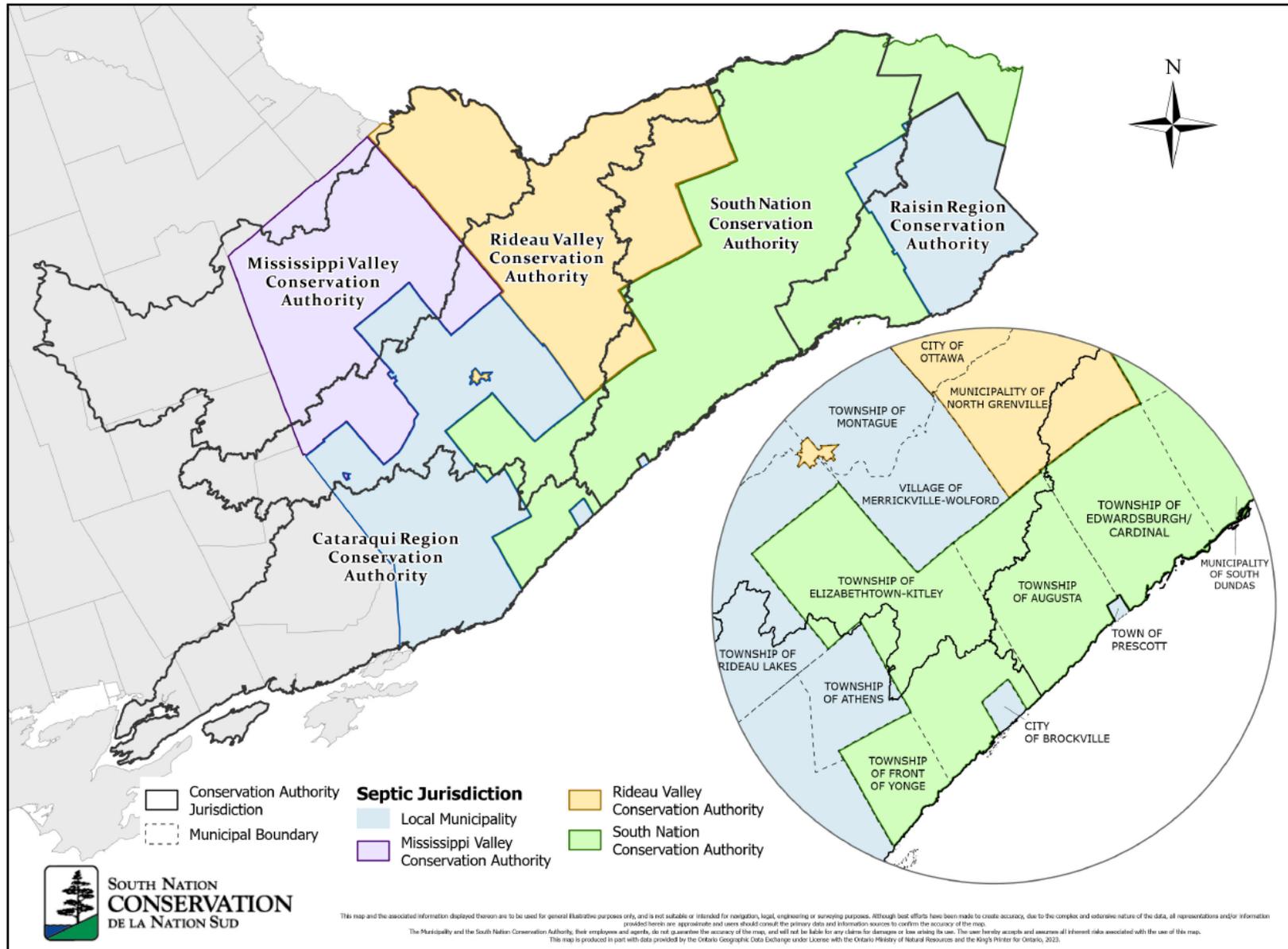


SNC Septic Program: 17 Municipalities



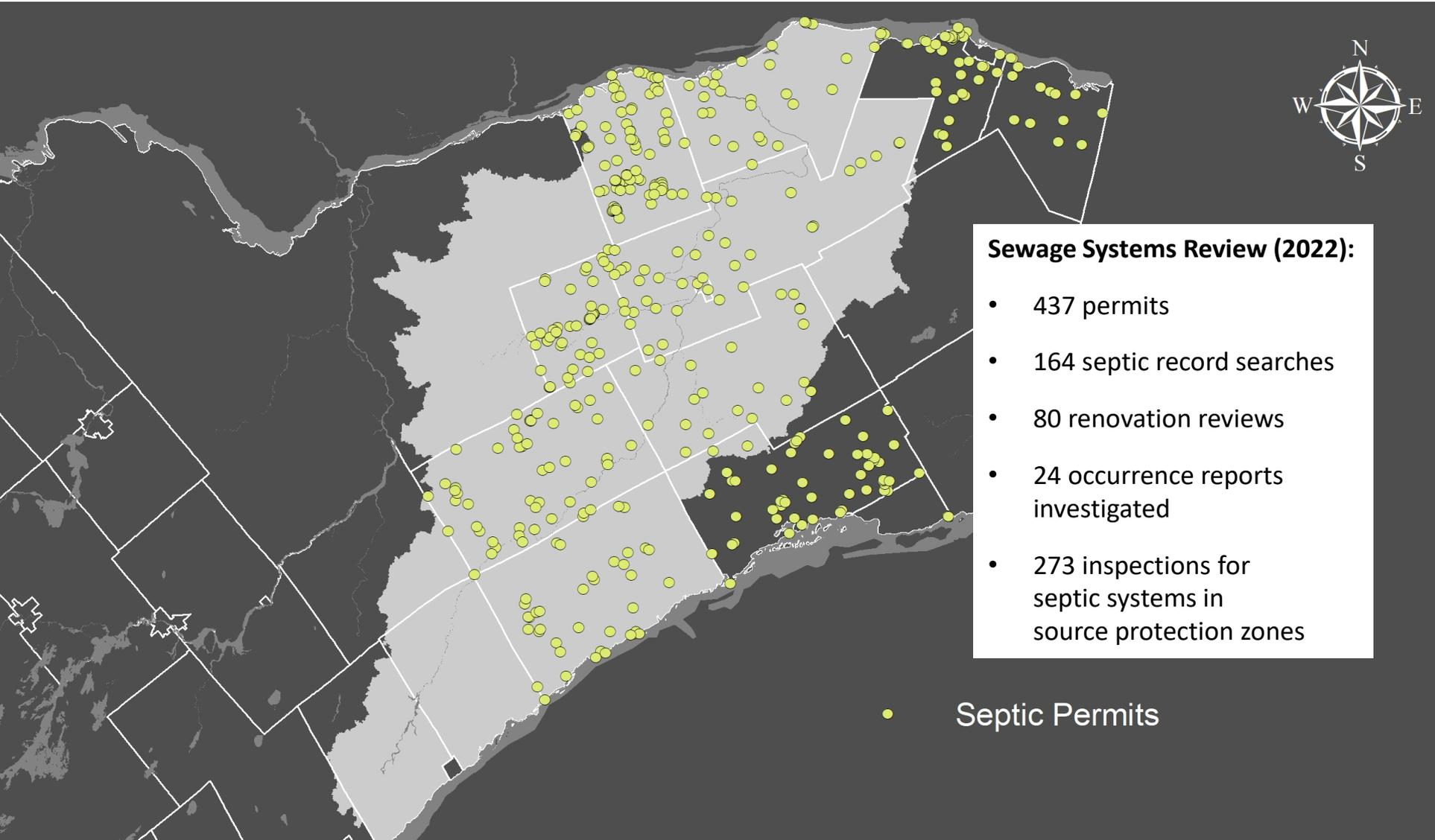


Conservation Authorities in Eastern Ontario





2022 Septic Program Status: Regional Distribution





2023 Septic Program Status



Tank replacement with Elmer Construction
Township of Edwardsburg/Cardinal

Septic Program Status (SNC Region)

(January 1st – November 9th, 2023)

- **Permits Issued: 440**
- **Inspections Completed: 1,500**
- **Compliances Issued: 320**

- **Permit and Inspection Timelines:**
 - <10 business days (permits)
 - 1-2 business days (inspections)



Septic Program Status: Leeds Grenville Expansion Areas

2022 Program Statistics		
Municipality	Permits Issued	Site Visits Completed
Edwardsburgh/Cardinal	4	11
Augusta	5	9
Elizabethtown-Kitley	3	12
Front of Younge	1	1
Total	13	33

2023 Program Statistics (to date – November 9 th , 2023)		
Municipality	Permits Issued	Site Visits Completed
Edwardsburgh/Cardinal	33	58
Augusta	40	98
Elizabethtown-Kitley	34	76
Front of Younge	12	13
Total	119	245



Efficient Program Administration



SNC Administrative Office – Front Admin
Township of North Stormont

Applications and Inspections

- Accept applications in person (Finch or municipal office) or by email
- Schedule inspections in person, by phone, or by email
- Provide Septic Record Search

Customer Service Improvements

- All information available online including accessible fillable forms, fee schedules and policies, information on best practices and owner guides, contact information for installers and designers
- Offer in-person meetings through municipal office



Industry Collaboration: Partnerships at Work



Installation with Easton Excavation
Township of Front of Yonge

Approval and implementation of a good septic design requires collaboration with local businesses and industry professionals:

- Designers
- Developers
- Installers
- Septic Evaluators
- Pumpers
- Pre-Casters
- Sand Pits
- Gravel Pits



Industry Collaboration: Partnerships at Work



Installation with Ken Beck Excavation
Township of Augusta

We build and maintain relationships with our industry partners

- Goal: provide a high-quality system that will last and support affordable rural housing
- Communication: Responsive inspectors available by cell phone, strong office administrative support, **inspector in Leeds-Grenville area daily**
- Host regular free workshops for partner agencies and local companies
- Happy to provide training and guidance



Industry Collaboration: Partnerships at Work



Workshops and Training Opportunities

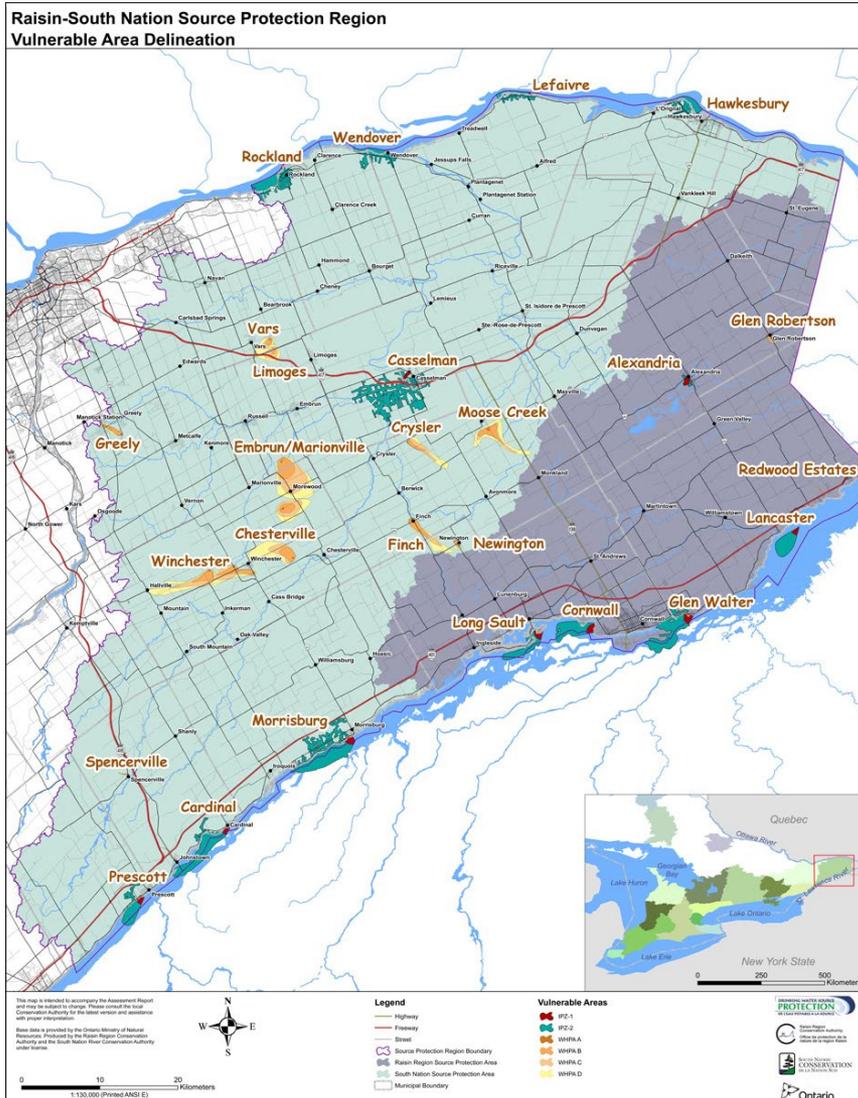
- Annual Septic Contractors Meeting for septic designers and installers
- Annual Municipal Information Day for municipal staff and politicians
- Installer training and licencing – annual Ontario Building Code Course (only certified bilingual training agency)



Annual 2023 Septic Contractors Meeting
Township of North Stormont



Drinking Water Source Protection



Raisin-South Nation Source Protection Region

- SNC implements the *Clean Water Act* on behalf of the Province of Ontario
- SNC administers the Risk Management Office on behalf of municipalities
- Certain drinking water protection zones identify sewage as a significant drinking water threat to municipal water sources
- Septic staff are also trained as Risk Management Inspections
 - provides program value and ensures permits are not issued in error, that municipal drinking water sources are protected, that other environmental reviews or setbacks are identified, that best management practices for protecting rural water sources are considered



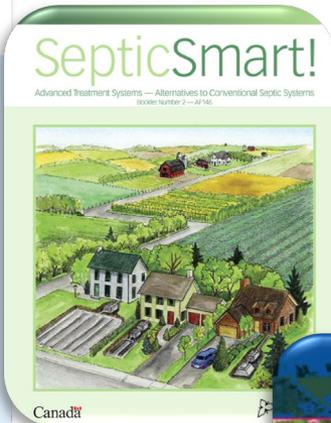
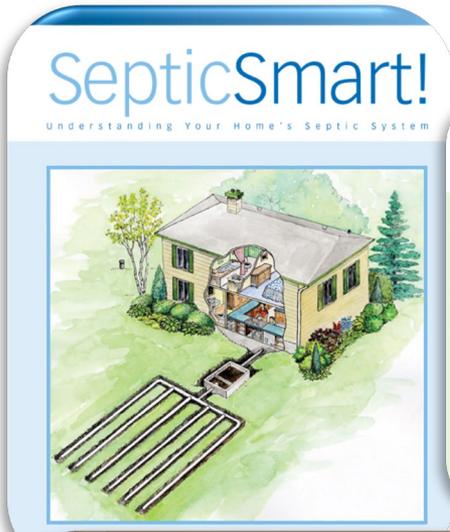
Failed Septic System Discharge

Occurrence Investigations

- SNC Regulations Officers and Septic Officials respond to hundreds of reports of potential environmental concerns annually
- Value for property owners when qualified and experienced septic officials are available to respond to pollution reports and calls from owners about failing septic systems
- One-stop-shop: residents connect with SNC about a wide-range of septic concerns and questions – staff support owners identifying sources of issues and are available to support the protection of people and property



Program Support: Education and Outreach



SEPTIC SOLUTIONS
Treating your household wastewater
 Save money and protect your drinking water.

Septic System Information
 Canada Mortgage and Housing Corporation
www.cmhc.ca
 Ministry of the Environment
www.ontario.ca/ministry-of-environment
 Ministry of Municipal Affairs and Housing
www.mmah.gov.on.ca
 Ontario Rural Wastewater Centre
www.owrc.org.on.ca
 Ontario Onsite Wastewater Association
www.ooowa.org
 Ontario Association of Sewage Industry Services
www.oasisonline.ca
 Andrea Stillman, Risk Management Official
 Township of Havelock-Belmont-Methuen and the Municipality of Highlands East
 Phone: 705-778-2308
 Email: A.Stillman@hbmtp.ca

Septic Solutions
 If your home is located in a rural area or a small community, you are likely one of the 25% of Canadians who uses a private septic system. A septic system treats your sewage right in your own yard and releases treated effluent back into the groundwater.

For more information
www.trentsourceprotection.on.ca

DRINKING WATER SOURCE PROTECTION

HSM
 Ontario
HIGHLANDS EAST

DRINKING WATER SOURCE PROTECTION

www.trentsourceprotection.on.ca

Notice for Septic Tank Pump Out

The Ontario Building Code requires that septic systems be pumped out and inspected every 5 years.

You live in a vulnerable drinking water protection area and your septic tank requires maintenance.

South Nation Conservation and the Township of South Stormont are offering a voluntary inspection program. Please:

- Contact a local pumper and have your system maintained and inspected before May 1, 2020 or
- Have South Nation Conservation inspect your system after May 1, 2020.

Please keep records of septic system maintenance. Inspection reports can be sent to South Nation Conservation.

more info: 613-984-2948 or info@nation.on.ca

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Program Resources and Outreach

- SNC develops program campaigns with fundraising revenue and external grants and partnerships
- Resources are available to all residents in digital and print
- SNC completes routine mail-outs for residents to include best practices and reminders to maintain septic systems

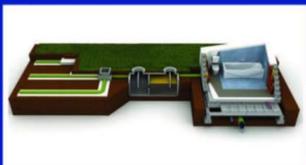
Septic Program Support and Outreach



Program Support: Education and Outreach

BE SEPTIC SAVVY!
When was your septic system last serviced?

Be Septic Smart!



Do ...

- know where your septic system is located
- pump out your tank every 3 - 5 years
- conserve water to reduce what's going into your system
- avoid excessive use of anti-bacterial soaps, bleach and harsh cleansers
- keep accurate records of septic system maintenance and service calls

Don't ...

- plant trees or shrubs, dig or drive over your septic tank or leaching bed
- flush grease, food, paint, solvents or other toxic chemicals down the drain
- forget to upgrade your system if you connect additional toilets, showers, hot tubs or sources of water
- inspect or pump out a septic system yourself! The tank contains deadly gases that can kill in a matter of seconds



For more information please contact SNC at:
1-877-984-2948 | www.nation.on.ca

Program Resources and Outreach

- Specific campaigns are developed when requested by municipalities

If your home is located in a rural area or small community, you are likely one of the 25% of Canadians who uses a private septic system.

DID YOU KNOW?

- that maintaining your septic system can be done for as little as a few hundred dollars every 3-5 years?
- that slow or backed up drains in your house may be a sign that it is time for an inspection?
- that new and replacement systems require a building permit? Your municipality can tell you who enforces these requirements in your area.

PROTECT YOUR INVESTMENT

Improper maintenance of your system can endanger drinking water for your family as well as your community by providing a gateway for contamination. Protect your local environment and schedule regular maintenance!

yourdrinkingwater.ca



SNC Septic Program



One Septic Two Dwelling with Landex Excavation
Township of Edwardsburg/Cardinal

- Supports Affordable Housing Objectives
- Secondary Dwelling Support
(In Law Suites, Coach Houses, Tiny Homes)
- Ontario Timely Review Taskforce Member,
Inspection Timeline = 1-2 business days
- Accessible Program and Free Resources
- Highly Qualified and Experienced Team
- Recognized Ontario Training Centre
- Value-Added SNC Services and Support
- Free Education and Outreach Campaigns
- Annual Training Opportunities
- SNC Staff Presence in Municipality
- Streamlined Permits (One-window review):
 - Planning and engineering review
 - Eliminates additional applications

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