



SOUTH NATION
CONSERVATION
DE LA NATION SUD

Project Update

October 16th, 2025



Our Local Environment, We're in it Together.



SOUTH NATION
CONSERVATION
DE LA NATION SUD



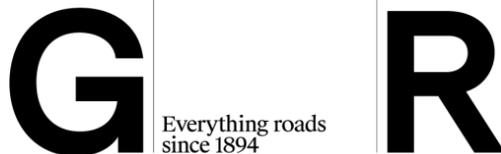
2025-2026 CA University Executive Development



- Four 2-day module courses over next 10 months
- First module examined CA Governance, By-laws & Government relations
- Shahin, Jennifer and James part of 2025-2026 cohort; with presentations from Eric McGill and others



2026 Conference Season is coming...



And so many more!

- Time to plan for 2026 conference season!
- Meaghen can assistance with registration, travel, and accommodation bookings

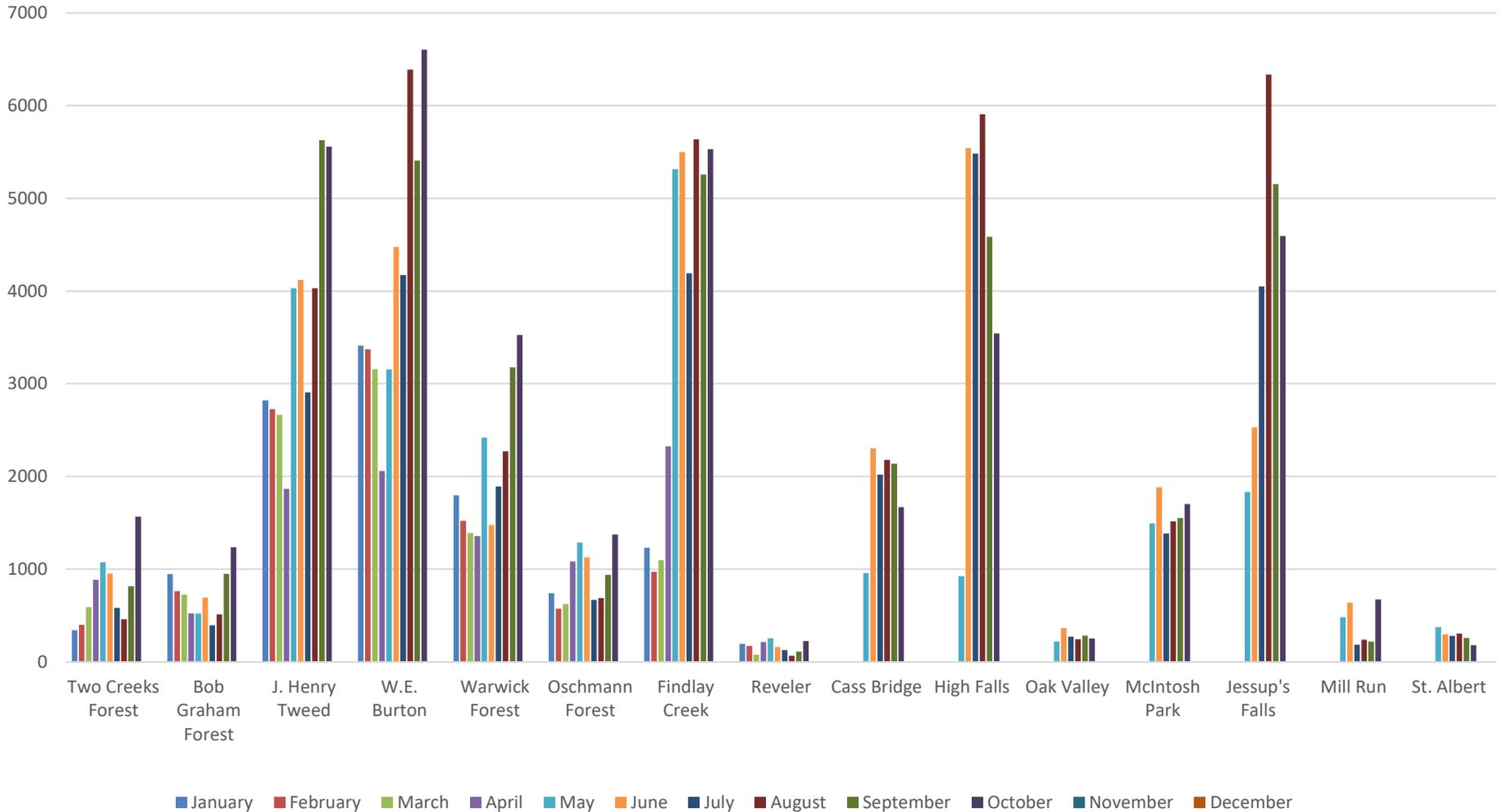


- Nov 2-3, 2025



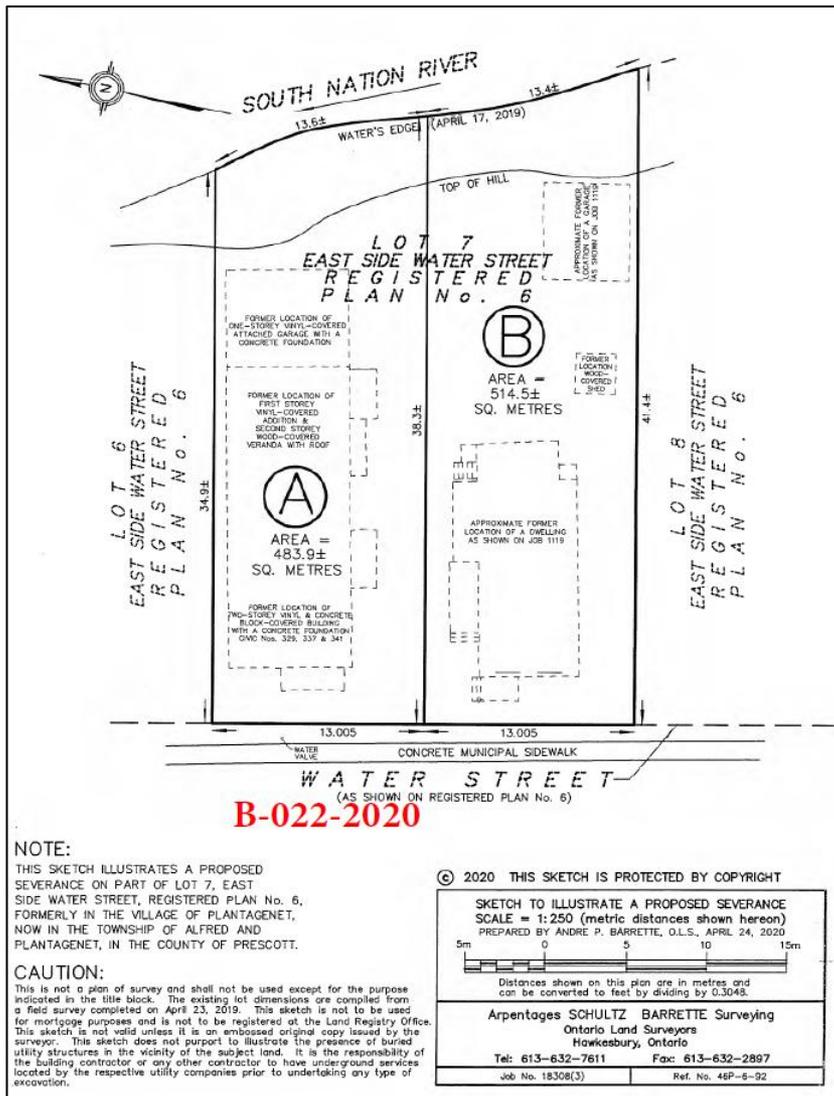
Conservation Area Monitoring Stats

2025 Conservation Area Monthly Visitors





Consent Applications



Example of a Severance Sketch

- Lot creation via severance is significant source of development in rural areas
- SNC's role:
 - regulations
 - natural hazards
 - septic
 - source water protection



Active Urban Expansion Areas – City of Ottawa

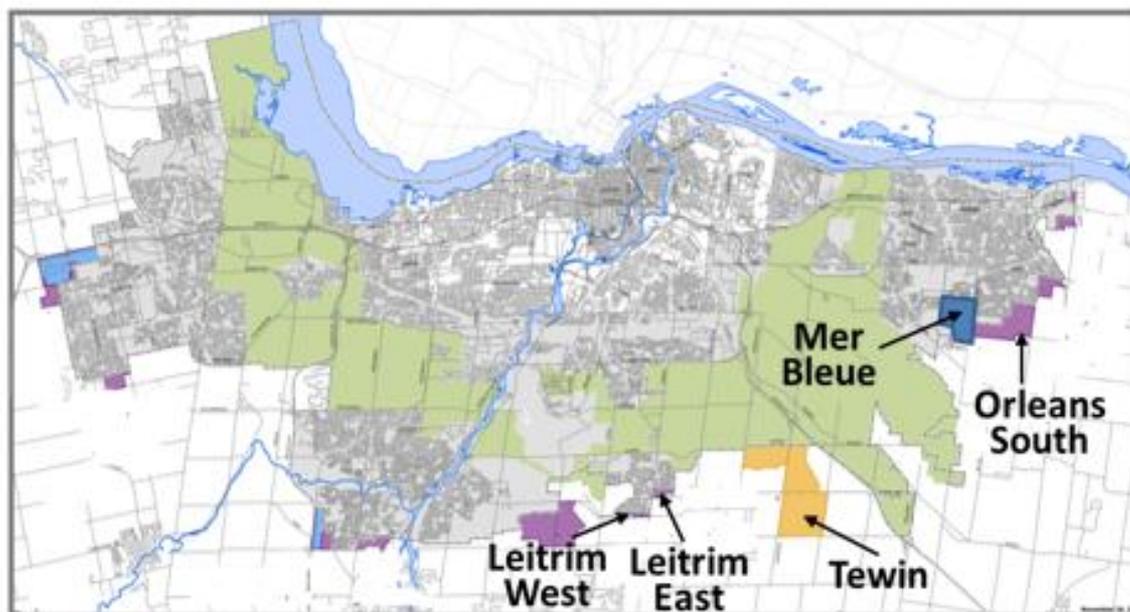
5 active Expansion Areas

Require:

- Master Plans
- Secondary Plans

SNC focusses on:

- Natural Hazards
- Upstream/downstream impacts
- Future SNC permits





Permit Compliance Inspections

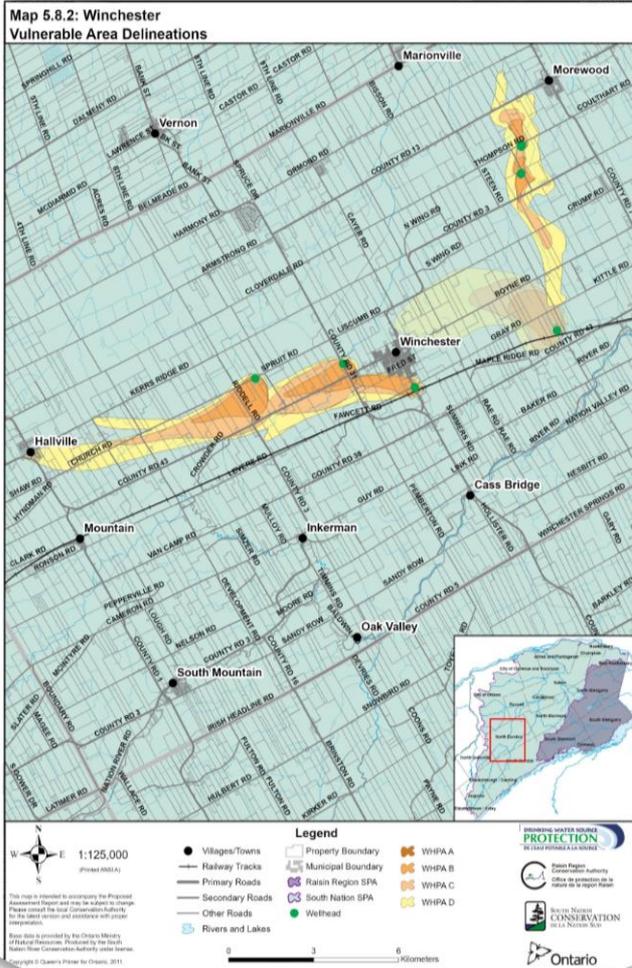


Erosion Control Works, Nation Municipality

- 79 permit compliance inspections completed to date in 2025
- Staff seek to complete 100 inspections before years end



Winchester Source Water Protection Maps Update



Vulnerable Area Delineations – Winchester

- Worked with RRCA to update the Source Water Protection maps in Winchester for the Assessment Report
- Updated maps reflect the revised WHPA boundaries following the addition of a new municipal well



Land Management – Sharing Knowledge



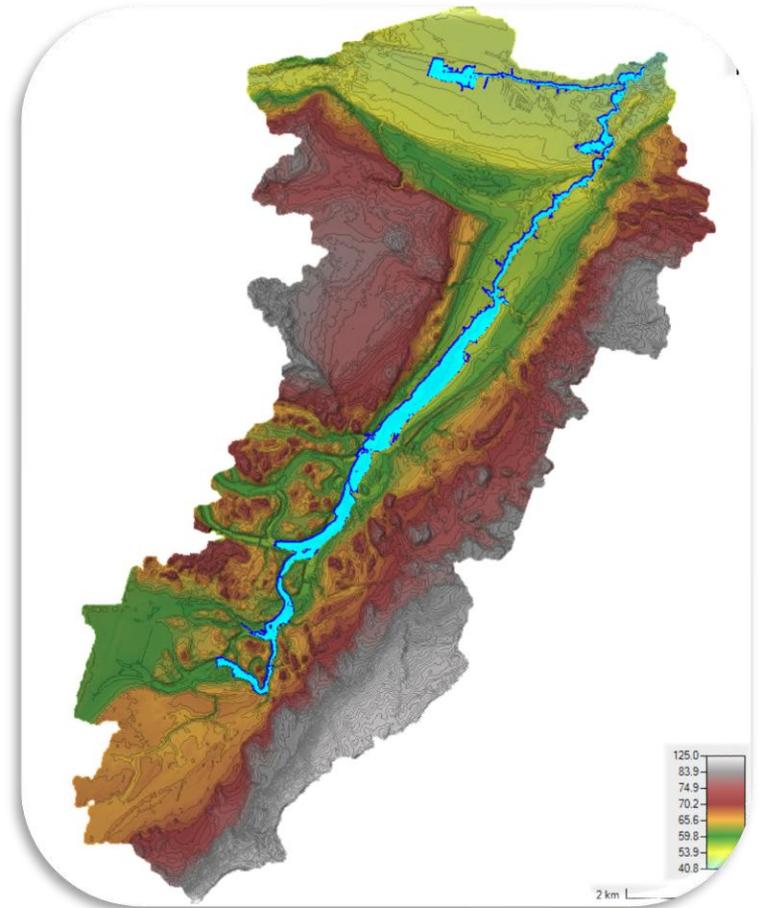
- City of Ottawa acquired property in South Nation River Watershed
- SNC assisting with tree planting and stewardship efforts on the property

City of Ottawa, South Nation Conservation, and Canadian Wildlife Federation Staff,
Springhill Road, City of Ottawa



Hawkesbury Creek Floodplain Mapping Peer Review

- UCPR retained SNC to complete Hawkesbury Creek hazards mapping
- All background studies, modeling, and mapping have been completed
- An RFQ for the floodplain technical review was sent to multiple consultants
- Four proposals were received, and the most qualified firm will be retained



Hawkesbury Creek Floodplain Map



Stormwater Facility Maintenance



Radisson Street SWF, post 2023 cleanout.
Maintenance occurred again in 2025.

- SNC signed an agreement with the Township of Russell to provide maintenance services at two SWF: Radisson and Olde Towne Roads
- Maintenance included bi-annual applications of pesticides on woody vegetation



Morewood Bog Fire – Drone Data Collection



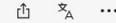
- SNC attended Emergency response at Morewood Bog Fire
- Aerial imagery and LiDAR data collected to document event



Bear Brook Watershed Study Update

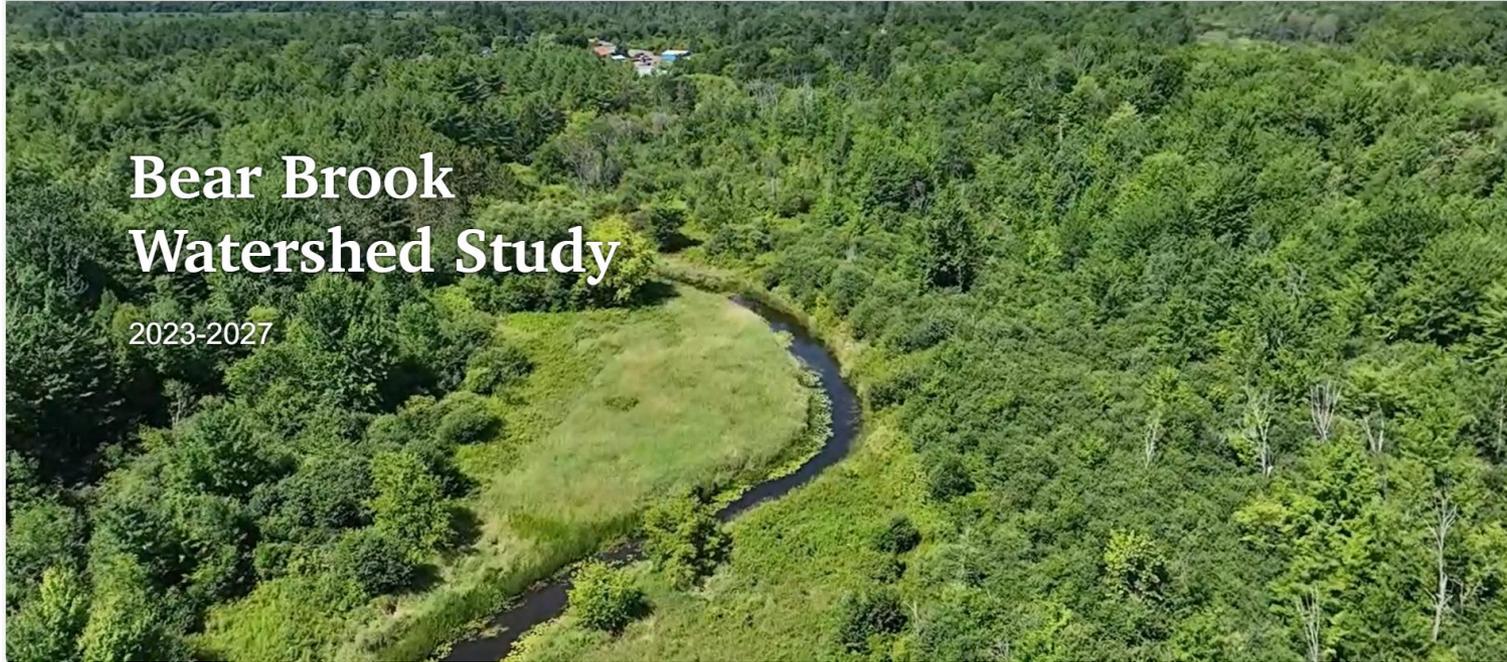


Bear Brook Watershed Study



Bear Brook Watershed Study

2023-2027



- First Public Information Centre will be hosted on November 14 at the Bearbrook Community Centre, 6pm to 8pm
- Webpage is now live:
nation.on.ca/consultations



Monitoring: Low Water Advisory Status



SNR riverbed downstream of Casselman Weir (Aug. 20th)

- Record rainfall on Oct. 7th in the Ottawa area (58.6 mm), very little rain has fallen otherwise
 - Many areas received less than 25 mm on Oct. 7th
- Watershed needs sustained rainfall to infiltrate the soil and recharge aquifers



Monitoring: Low Water Advisory Status

- Flows are at a record low
- Some areas no longer have base flow (natural discharge from water table)

Station	Flow (30-Day Average)	LASMF	Percent LASMF
Plantagenet Springs	1.48	7.28	20.4
Spencerville	0.00	0.4	0.0
North Branch Heckston	0.00	0.1	0.0
South Castor Kenmore	0.08	0.41	19.7
Castor Russell	0.16	0.97	16.7
Payne	0.00	0.32	0.9
Bear Brook	0.33	1.25	26.3



Water Control Structures



Chesterville Dam Fall 2024

- Annual Inspections for water control structures have been scheduled
- An in depth inspection of Seguinbourg berm will be conducted this year
 - Staff will walk the entire length and document problem trees every 100m



Monitoring: PGMN Sampling

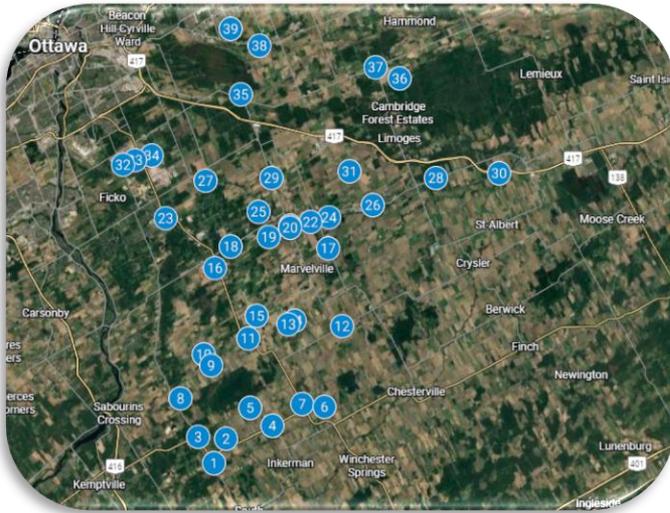


PGMN sampling at High Falls (Oct. 2024)

- PGMN Fall Sampling is ongoing
- 13 wells are being sampled this year
- So far about half have been sampled



Benthic Invertebrate Sampling



- Evaluating condition of aquatic ecosystems by collecting benthic invertebrates in the Castor River Subwatershed
- Water quality data for the State of the Nation Watershed Report Card



South Castor River, 2025



Municipal Drain Classification



- Funding from Fisheries and Oceans Canada to classify six municipal drains in our watershed
 - Difficulties due to extreme low water conditions in 2025
- Flow determination completed in August/September, followed by fish sampling (electrofishing)

Parent Branch Municipal Drain, Alfred and Plantagenet



Mapping Invasive Phragmites



- 508 km of roads mapped in SDG
- 183 km of roads and trails mapped in Larose Forest
- 1,018 ha of SNC property surveyed, majority by drone



Invasive Species Management

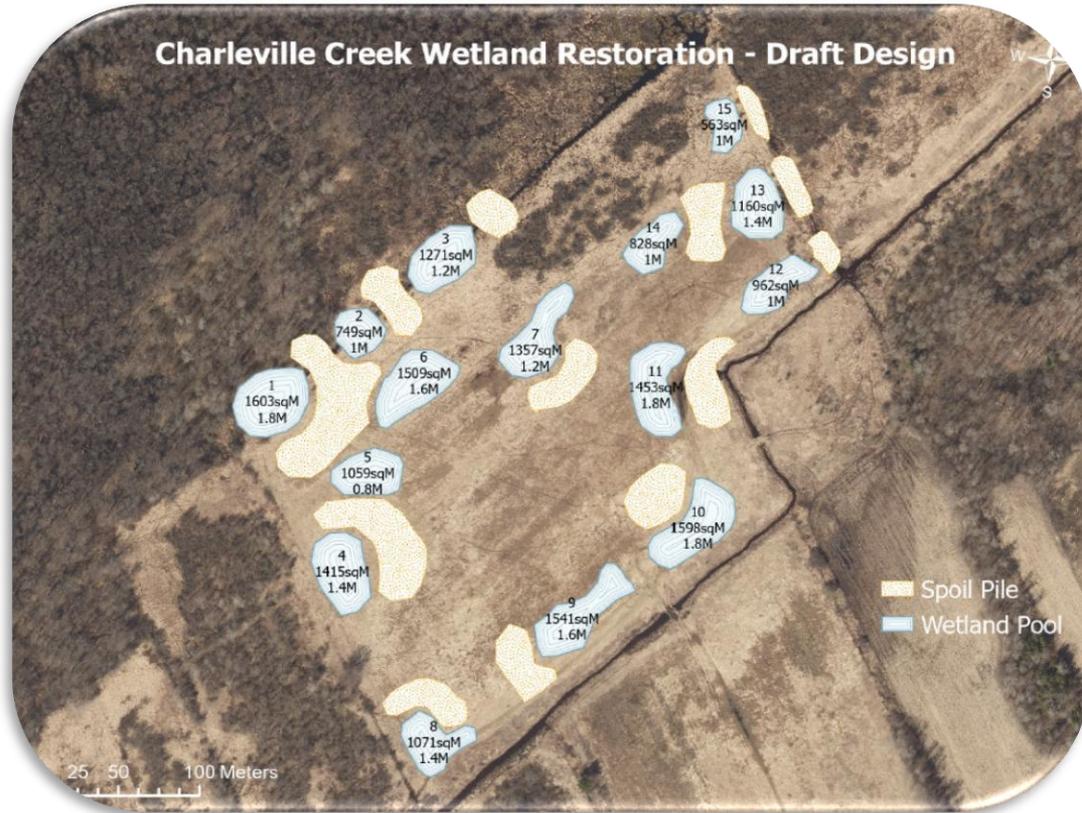


Treatment of Phragmites, Leitrim Wetland,
City of Ottawa

- Control of priority phragmites stands in Leitrim Wetland
- Partnership with UCPR treat phragmites stands in Larose Forest
- Drought and early frost caused some stands to turn brown earlier than others



Charleville Creek Wetland Restoration



- Consultation with Thomas Biebighauser, renowned wetland restorer
- Project construction to begin in November 2025



Snake Island Forest Wetland Restoration



- Designed to restore filled in floodplain oxbow wetland
- Project construction to begin in November 2025



Agri-Environmental Stewardship



Gar-Eden Farms, North Dundas



Parachute Farm, Champlain

Resilient Agricultural Landscape Program – Marginal Lands Initiative

- SNC lead on behalf of the Eastern Ontario Farm Stewardship Collaborative
- \$450,000 for projects in 2025/2026 fiscal year
- 30 submissions from farmers, 70% in SNC's jurisdiction



Agri-Environmental Stewardship

APPLY NOW | 90% of costs covered to improve natural features on your farm!

-  **Trees & Windbreaks**
reduce erosion, protect crops, and improve the watershed
-  **Grassland & Pollinator Habitat**
support wildlife and boost biodiversity
-  **Wetlands & Water Retention Ponds**
store water and improve drainage

www.eofsc.ca | 1-877-984-2948



- Active promotion ongoing
 - Press Releases
 - Newsletter Articles
 - Social Media
 - Postcard
- Attendance at agri-environmental events
 - EFAO Farm Tour
 - ALUS Twilight Tour



ALUS Twilight Tour,
Raisin River Farm, Cornwall



Agri-Environmental Stewardship



**\$50 GIFT CARDS FOR
CROP HARVEST PHOTOS**

Seeking farmers to take post harvest field photos:
to support Agriculture and Agri-Food Canada crop residue research



Tree Planting Two Creeks



Nineteen students help plant trees at Two Creeks on September 25th, 2025.

- 100 trees were planted by grade 4 students from Akwesasronon School from Cornwall Island.
- Mohawk Council of Akwesasne purchased trees through a grant for native fruit trees to attract more wildlife.



Ferguson Tree Nursery for Stock Viewing Day – September 17





Ferguson Tree Nursery for Stock Viewing Day – September 17



- Forest Canada celebrates the **50 million tree milestone**, achieved in 2025 (began in 2004)
- 2025 was a historic planting season, more than four million trees across the country

Forest Canada and Conservation Ontario - plants a white pine in honor of the 50 million tree milestone



Eastern Ontario Fall Tree Planting Tour – October 14



Group in front of large Red Oak, Jessup's Fall CA

- Hosted by SNC and UCPR
- Focus on restoration projects
- Discussions regarding project eligibility with Forest Canada



GCCC Begins – Alfred-Plantagenet Fall Plant – October 16



Trees being planted today,
Curran Community Center

Growing Canada's Community Canopies (GCCCC)

- 4 public parks
- 11 species
- 504 trees and shrubs (basket, pot, and plug size)



Partnership with Desjardins Ontario Credit Union

- SNC 132
- 5,550 seedlings, 11 species – local species and Carolinian species
- Event with Desjardins employees on October 25



Seedlings ready to be planted, SNC 132



SNC Staff planting, SNC 132