



SOUTH NATION
CONSERVATION
DE LA NATION SUD

Project Update

September 19th, 2024





New Staff: Jennifer Boyer



Innsbruck, Austria
World Winter Master Games

- Graduated with Master's Degree in Environmental Policy & Management
- Registered Professional Planner (RPP) since 2008
- 26-years of working experience in environmental, long-range and policy planning
- Since leaving SNC in 2013, worked for the City of Ottawa and recently as the Manager of Policy Planning at County of Brant in Paris, Ontario
- Enjoys travelling, gardening, cycling and is a competitive speedskater



New Staff: Sahib Singh Chana



Sahib Singh Chana

- Undergraduate degree in Bachelor of Civil Engineering in 2020.
- Pursuing a Master's of Engineering in Civil and Environmental Engineering, with a specialization in Water Resources Management, at the University of Western Ontario.
- Enjoy watching films, listening to music, cooking, and participating in outdoor sports such as soccer and badminton.



Glengarry Honey Fair



- SNC attended the Glengarry Honey Fair on August 25th
- Received a Community Environmental Grant



Public Engagement – TD Tree Days



- September 15th, 2024
- 200 trees and shrubs planted along the South Nation River
- ~20 volunteers registered



Harvest Gathering and Clean Up



Reconciliation and Thanksgiving Harvest Event

The Healing Place

Date: October 3rd , 2024

10:00 a.m.



Conferences and Municipal Engagement

Recent Municipal Conferences



Ontario East Municipal Conference



Association of Municipalities of Ontario Conference

Upcoming Conservation Conferences:

- Latornell Conservation Symposium (October 8 – 9)
- Conservation Areas Workshop (October 22 – 24)



Provincial Flood Forecasting and Warning Workshop



SNC Staff attending Workshop in 2023

- SNC is a key member in the Flood Forecasting and Warning Community of Practice
- October 1-2, Annual Workshop in Toronto: Conservation Authorities, Ministry of Natural Resources, Environment and Climate Change Canada, and municipal staff
- SNC presenting on Lower Ottawa River Flood Forecasting and Warning Working Group



Russell Sportsplex Storm Water Pond Management
July 2024

New agreement with
Russell Township:

- Measuring sediment accumulation in a Storm Water Management Pond (Russell Sportsplex SWMP)



Quartier des Boises Subdivision
Storm Water Management Pond
September 2024

New agreement with Village of Casselman:

- Inspection of a Storm Water Management Facility (SWMF) in Casselman
- Measuring sediment accumulation in a Storm Water Management Pond (Quartier des Boises Subdivision SWMP)



Municipal Services



Ingleside Fire Hall Development
Township of South Stormont

New agreement with
Township of South Stormont:

- Black Ash Health Assessment
- Scoped Environmental Impact Study



Municipal Services



150 mm Sugar Maple to be planted, Parc
Bellevue, Rockland
Clarence-Rockland Forestry Services Agreement

New agreement with
Township of Alfred
and Plantagenet:

- Storm Recovery Program



Partner Services



Mapped Wetland Boundary,
Riverside Cedar Campground,
South Dundas



SNC staff in front of large willow,
Riverside Cedar Campground, South Dundas

- Wetland boundary delineation for future development by St. Lawrence Parks Commission
- Ontario Wetland Evaluation System certified staff



Invasive Species: Phragmites



Invasive Phragmites at Robert Graham Conservation Area, South Dundas

- \$20,000 received from the Invasive Phragmites Control Fund
- Regional collaboration with River Institute and Raisin Region Conservation Authority
- Mapping of invasive Phragmites on SNC properties



Invasive Species: European Water Chestnut



Pulling Eastern Water Chestnut on the
Castor River, 2024

- Management efforts to remove European Water Chestnut from the Castor and South Nation Rivers
- Removed over 18,000 plants since the beginning of July
- Improvement from previous years in some sections



Surface Water Quality Monitoring



- Evaluating condition of aquatic ecosystems by collecting benthic invertebrates throughout the headwaters of the SNC watershed



- Water quality data for the State of the Nation Watershed Report Card

Sampling South Indian Creek, UCPR



Municipal Drain Classification



Fish sampling in Clarence-Rockland, 2022

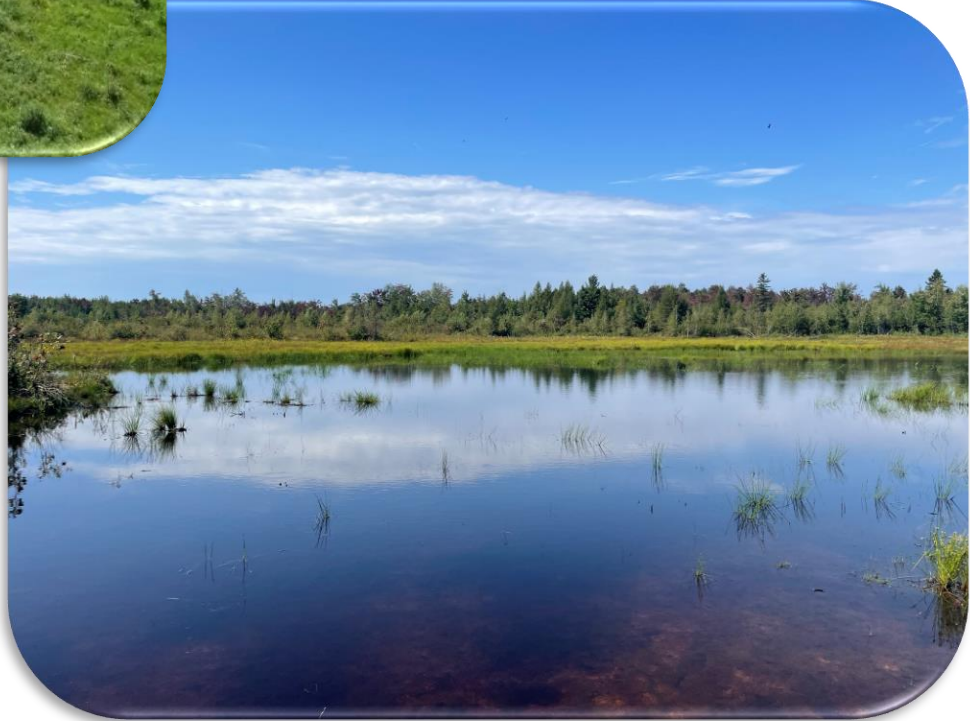
- Funding from Fisheries and Oceans Canada to classify six municipal drains throughout the watershed
- Flow determination completed in September, followed by fish sampling (electrofishing)



Wetland Restoration Monitoring



August 27, 2024
SNC 53, Route 400
Nation Municipality



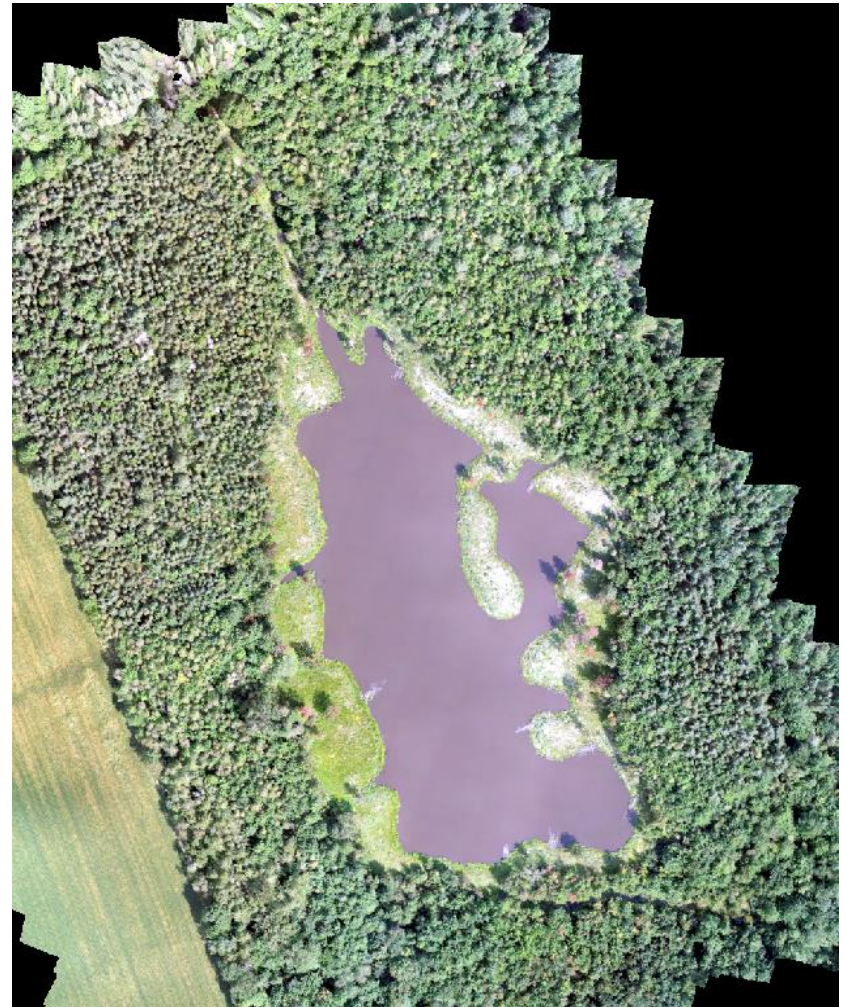
September 6, 2024
SNC 49, Route 300
Nation Municipality



Wetland Restoration Monitoring



SNC 53 Before Construction



SNC 53 After Construction



New Drone Technology at SNC

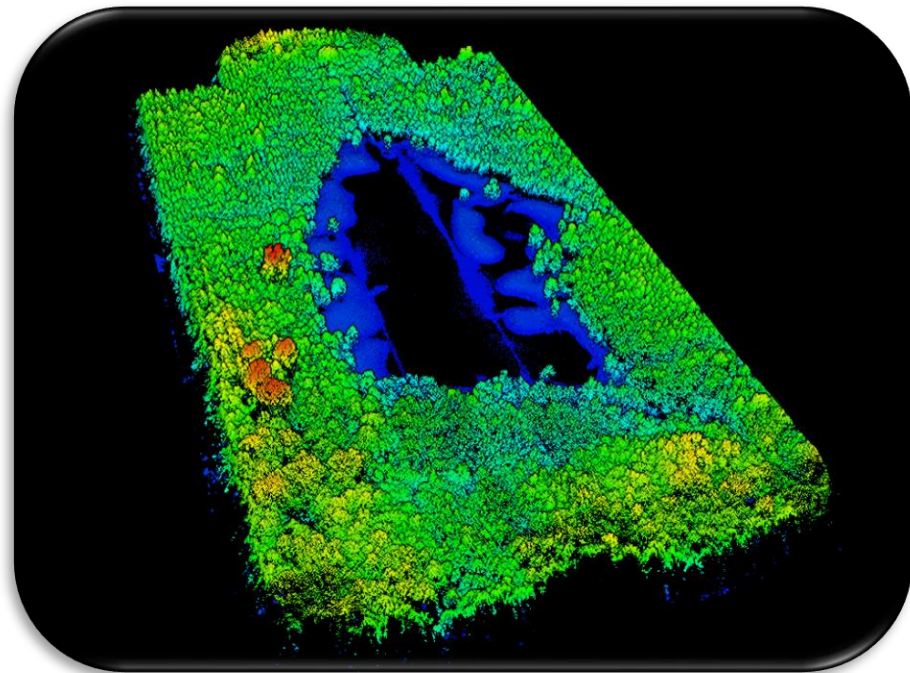
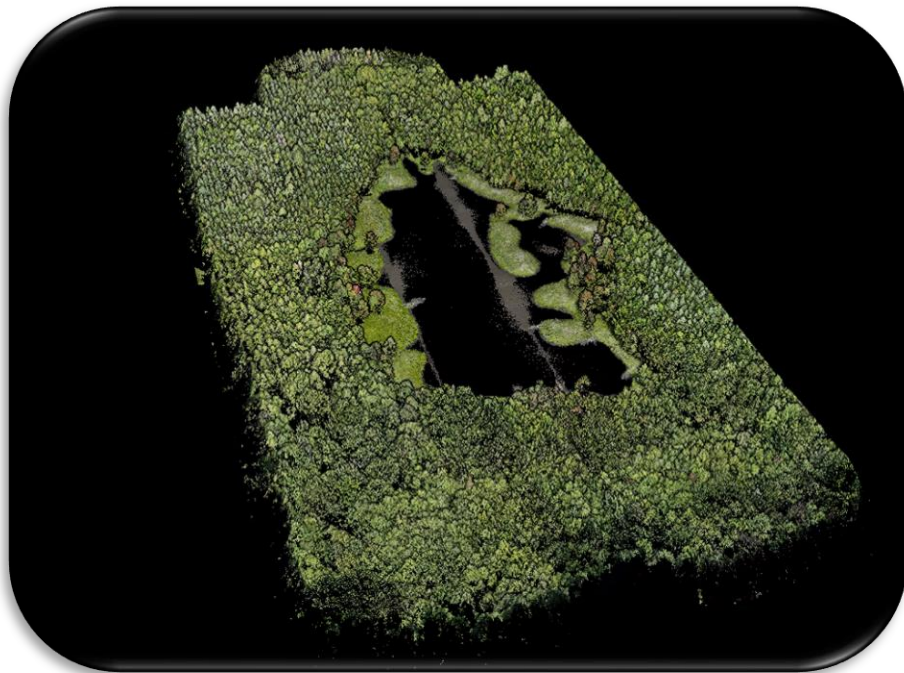


SNC's new DJI Matrice 350 RTK drone with LiDAR camera payload

- Drone acquired through EMO Community Emergency Preparedness Grant
- Able to survey natural hazards to produce high resolution photo-mapping and LiDAR data



New Drone Technology at SNC



LiDAR colour and height maps of the SNC53 wetland restoration project

[LiDAR Point Cloud Rendering of SNC's Office](#)



New Drone Technology at SNC





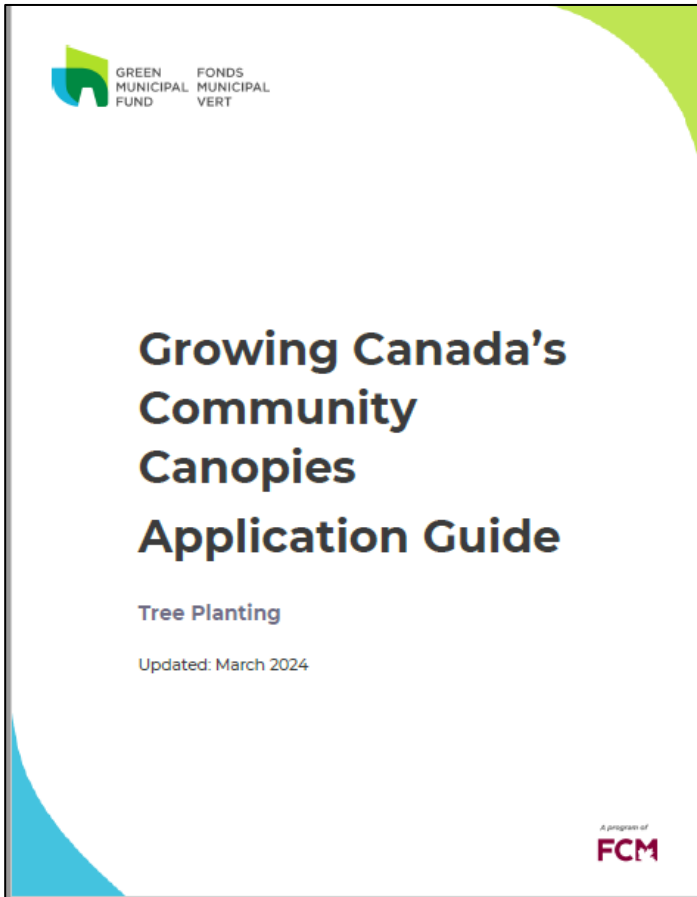
Flood Hazard Identification and Mapping Program



- FHIMP launched on September 11th, 2024.
- 50% matched federal funding for eligible flood mapping projects. Multi-year applications to 2028.
- Proposed 2024 projects:
 - Delineating Flood Hazard and Associated Impacts in the Quaile Creek Watershed.
 - Assessing Increased Flood Risk due to Landslides in the Bear Brook Watershed.



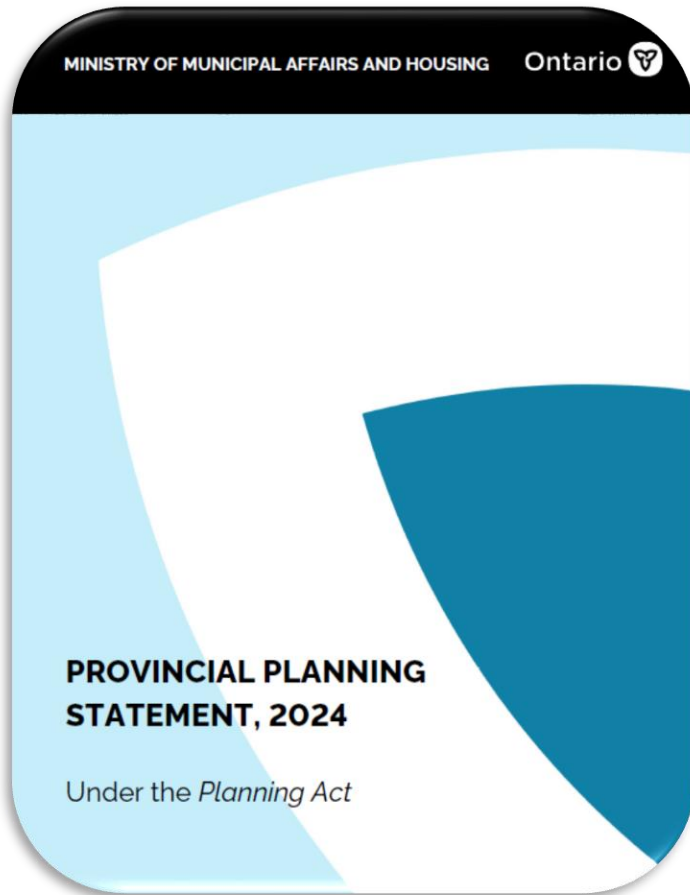
Growing Canada's Community Canopies



- SNC leading an application in partnership with the City of Clarence and Rockland
- Meeting with interested member municipalities to include in the application
- Multi-year application (2025 - 2027) with 50% matching required



Provincial Planning Statement, 2024



New Provincial Planning Statement, 2024

- Replaces the *Provincial Policy Statement (PPS)* and *A Place to Grow*
- Takes effect October 20th, 2024
- Municipalities to collaborate with CAs in identifying natural hazards and watershed planning



Pre-Consultation Site Visits



Pre-consulting and inspecting a slope stabilization project
Township of Alfred and Plantagenet

- Pre-consultation site visits for *Conservation Authority Act* permits assist applicants and help staff get projects approved faster.
- Confirming construction details and site conditions help to keep new development safe from the risk of natural hazards.



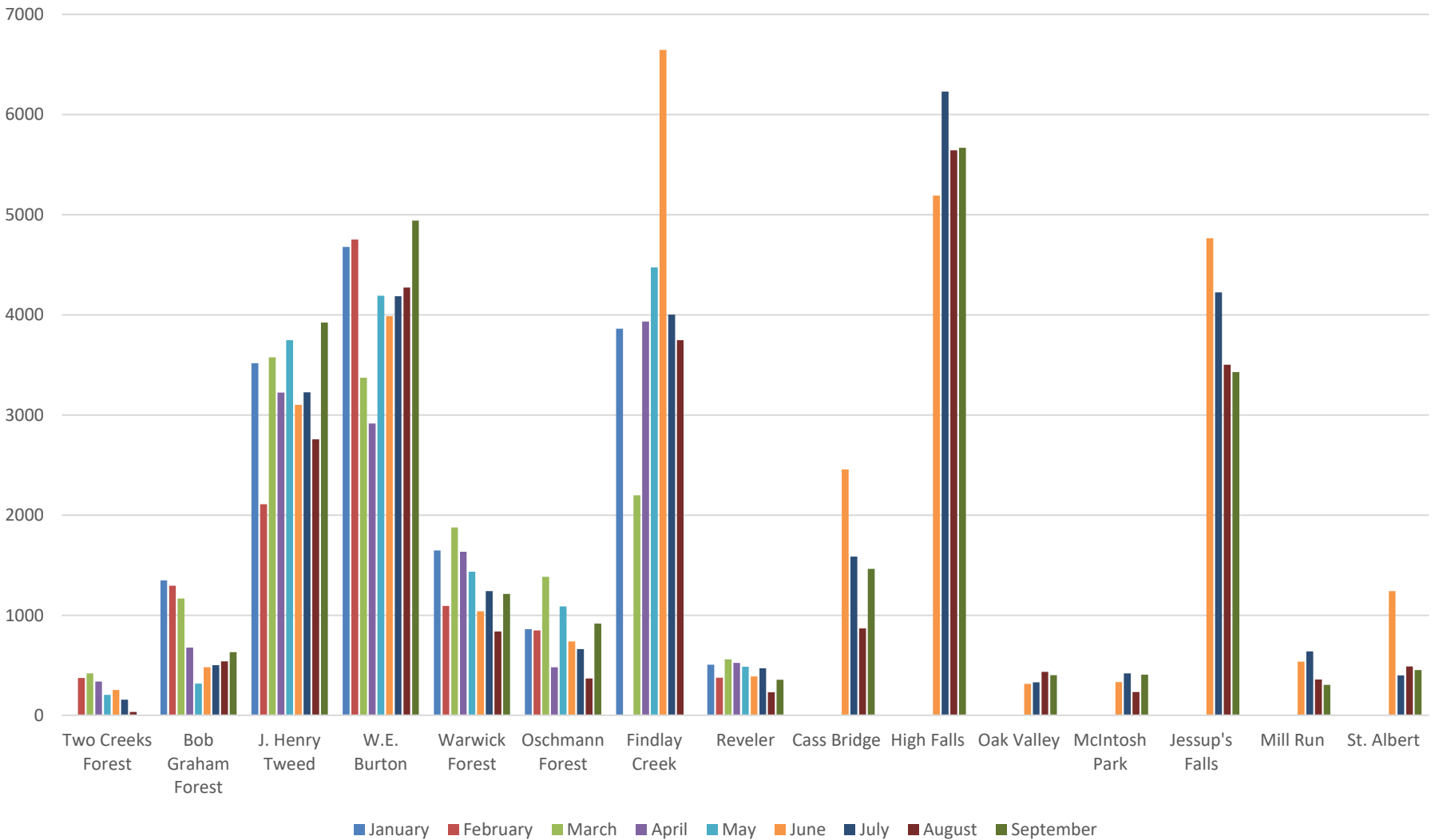
Augusta Township Industrial Development



- Proposed multimillion dollar development in Augusta Township
- Working with the Township to expedite approval by providing reviews and recommendations
- Pending agreement for Species at Risk offsetting (Butternut and Black ash)



Conservation Area Stats





Conservation Area Tree Management





Findlay Creek Boardwalk Revitalization



- Construction on schedule
- Completion anticipated end of October



Conservation Area Management



Wild Parsnip Herbicide Treatment, Mill Run Conservation Area
August Township

- Invasive and noxious plant management at Conservation Areas
- Herbicide treatment and follow-up monitoring
- Some mechanical removal where feasible



Two Creeks Trail Upgrades

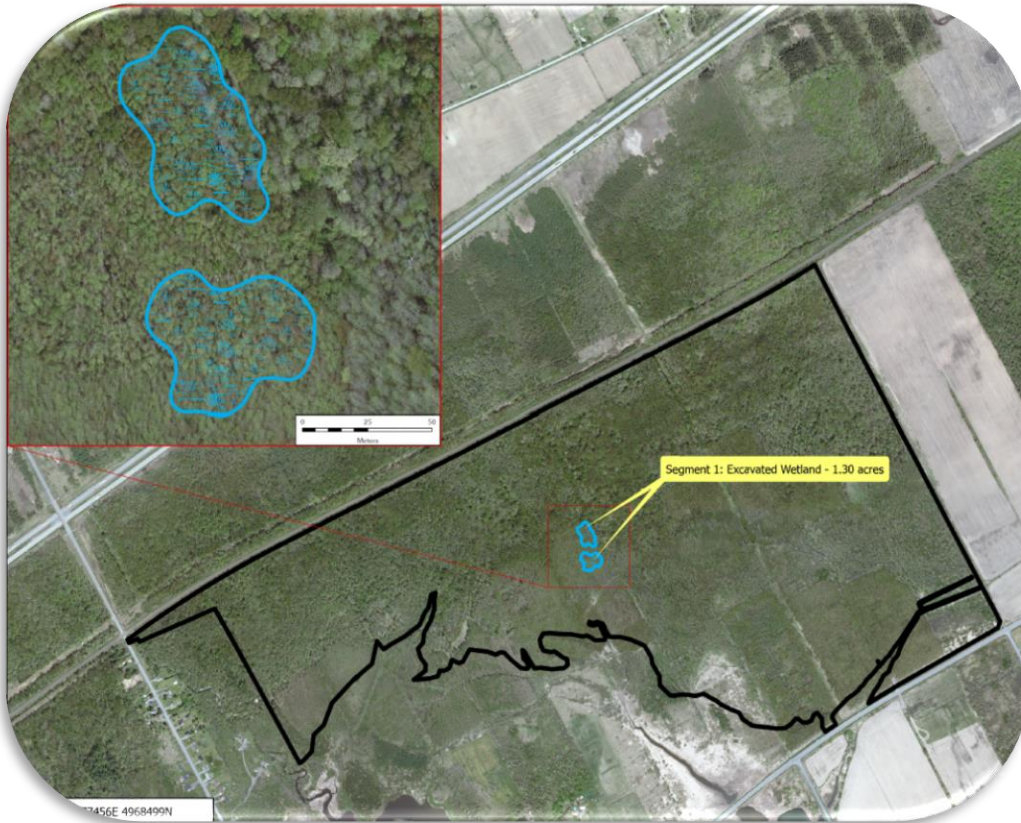


- New 1 km trail loop to open end of September
- Work beginning on 0.5 km section (parking lot to trail split)





Two Creeks Wetland Creation



- \$65,000 secured from Enbridge and Ducks Unlimited Canada
- \$45,000 secured from Wildlife Habitat Canada
- Excavation of small ponds and trail upgrades

Wetland Creation Concept Plan, Two Creeks Forest Conservation Area
South Dundas Township

Our Local Environment, We're in it Together.



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