



SOUTH NATION
CONSERVATION
DE LA NATION SUD

Project Update

August 17th, 2023





New Staff: Mfon Adiakpan



About Mfon

Pronunciation: mm-fun

- **Educational Background:**
GIS Certificate – Algonquin College – 2022

BSc Environmental Science – ITSligo - 2020
- **Project:**
Bear Brook watercourse update



SNC Summer Students



From left: Carley, Hope, Arielle, Shannon, Natalie, Kyley, Spencer and Gabriel. Absent: Mariane.

- Removed invasive species from our waterways
- Completed weekly park runs and garbage pickups at Conservation Areas
- Completed maintenance at the Office and on trails, including mowing, whipper snipping, and weeding
- Coordinated and delivered the Fish Camp Program
- Helped coordinate and host SNC's 75th Anniversary event and the Friends of SNC Golf Tournament



Community Outreach: All About the River



It's All About the River 2023

- Saturday, July 15th, at the Morrisburg Waterfront
- 17 exhibitors including SNC, the River Institute, Watersheds Canada, Plenty Canada, OPG, and the Riverkeepers.
- Fresh 104.5 radio attended, broadcasting 'live on location'
- Over 200 visitors came out to enjoy the exhibits, to fish off the dock, and learn more about the St. Lawrence River



Friends of SNC Golf Tournament



- 18 teams registered
- Over \$4,000 raised towards SNC's Forest Conservation Initiative and the annual Free Tree Giveaways



2023 Friends of SNC Golf Tournament at Casselview Golf and Country Club in Casselman



Youth Fish Camp



Great catch at Cass Bridge Conservation Area

Over 90 local youth participated in the 2-day camps across the watershed

- July 5-6, **Cass Bridge CA**
- July 12-13, **High Falls CA**
- July 19-20, **Jessup's Falls CA**
- August 2-3, **Cass Bridge CA**
- August 9-10, **High Falls CA**
- August 16-17, **Cardinal Legion Way Park**



OFA Summer Bus Tour



- Hosted by Dundas Federation of Agriculture on Tuesday, August 15th
- Tour of the leading agricultural businesses of Dundas County
- Lunch & Learn with South Nation Conservation at Cass Bridge Conservation Area

YOU'RE INVITED!

The Dundas Federation of Agriculture invites you to partake in the OFA Summer Tour being hosted in Dundas County.

August 15th, 2023

Tour bus to depart from MacIntosh Inn at 8:30am

With stops to include:

Lactalis Canada

University of Guelph Research Station

Lunch & Learn with South Nation Conservation at Cass Bridge

GET Corp, Thurler Farms

Upper Canada Creamery

Return to MacIntosh Inn for 5pm

6:30pm dinner at Stone Crop Acres

5242 Smiths Rd, Morrisburg, ON K0C 1X0

Join us along with the directors of the Ontario Federation of Agriculture and other industry leaders in touring the leading agricultural businesses of Dundas County.

INVITATION ONLY

Safety Shoes Required

Event Sponsored by





Flood Forecasting and Warning Workshop

You are invited to
**THE ONTARIO FLOOD
FORECASTING AND
WARNING WORKSHOP**

**SEPTEMBER 18 AND 19, 2023
9:00 a.m. - 4:00 p.m.**

The goal of the workshop is to provide links between agencies responsible for flood forecasting and warning, emergency management, flow measurement and data collection. The workshop is designed to address policy and implementation needs and issues and to facilitate training.

The workshop is organized by the Provincial Flood Forecasting and Warning Committee and is hosted by Conservation Ontario and Toronto and Region Conservation Authority (TRCA).



PEARSON CONVENTION CENTRE
2638 Steeles Ave E, Brampton, ON
Price: \$175.00 / person plus HST



To learn more and register
scan QR code or visit
trca.ca/OFFWW



- SNC Chair of the Provincial Flood Forecasting and Warning Workshop Committee
- Keynote speaker:
 - William Scharffenberg, PhD, World Meteorological Organization



Protecting Municipal Drinking Water



Raisin-South Nation Source Protection Committee

- Submitted new Source Protection policies to Ministry of Environment, Conservation and Parks for consultation
- Forming a working group with local municipal staff
- Submitted comments to the Province on the importance of safe, clean drinking water for new homes



Category 3 – Municipal Agreements

Confirmed Council Delegations to date:

Municipality	Status	Council Meeting
Elizabethtown-Kitley	By-law approved	August 14 th
North Stormont	By-law approved	August 15 th
Russell	Staff report to Council	August 28 th
Edwardsburgh Cardinal	Delegation to Committee of the Whole	September 11 th
	By-law report to Council	September 28 th
Augusta	Staff report to Council	September 11 th
North Grenville	Joint Delegation with RVCA	September 13 th (virtual)
South Dundas	Meeting with Township Staff Delegation	August 16 th Council date TBC
Ottawa	Staff report prepared	Committee and date TBC
Nation	Delegation	October 16 th



Salary and Compensation Review



Kick-off Meeting – July 20, 2023

Invitation 2 participate in the survey

- 4 Conservation Authorities
- 3 Upper Tier Municipalities
- 6 Lower Tier Municipalities

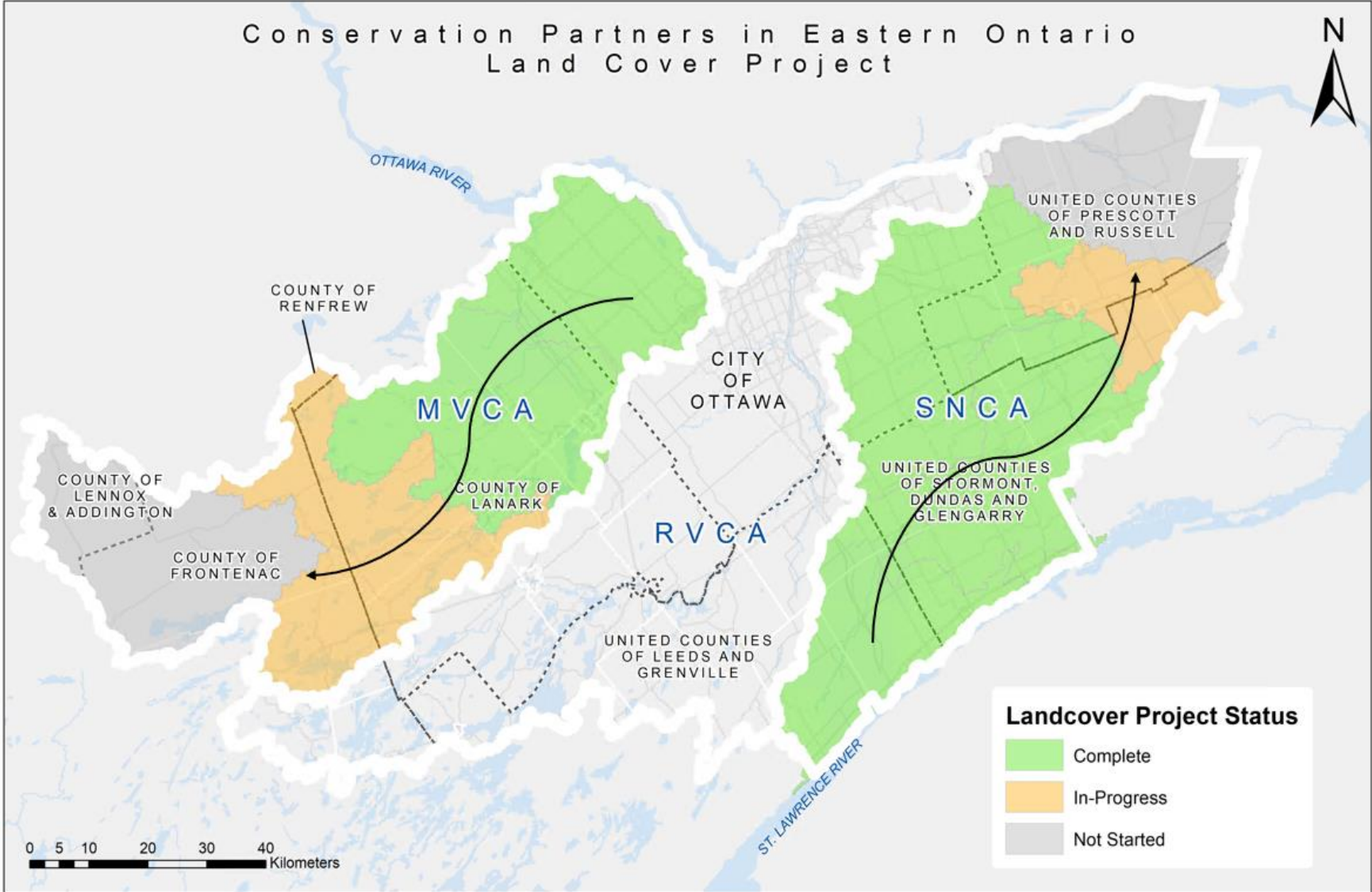
Survey forwarded to 9 organizations

Next Meeting – August 31, 2023.

Final Meeting – September 6, 2023 (tentative)



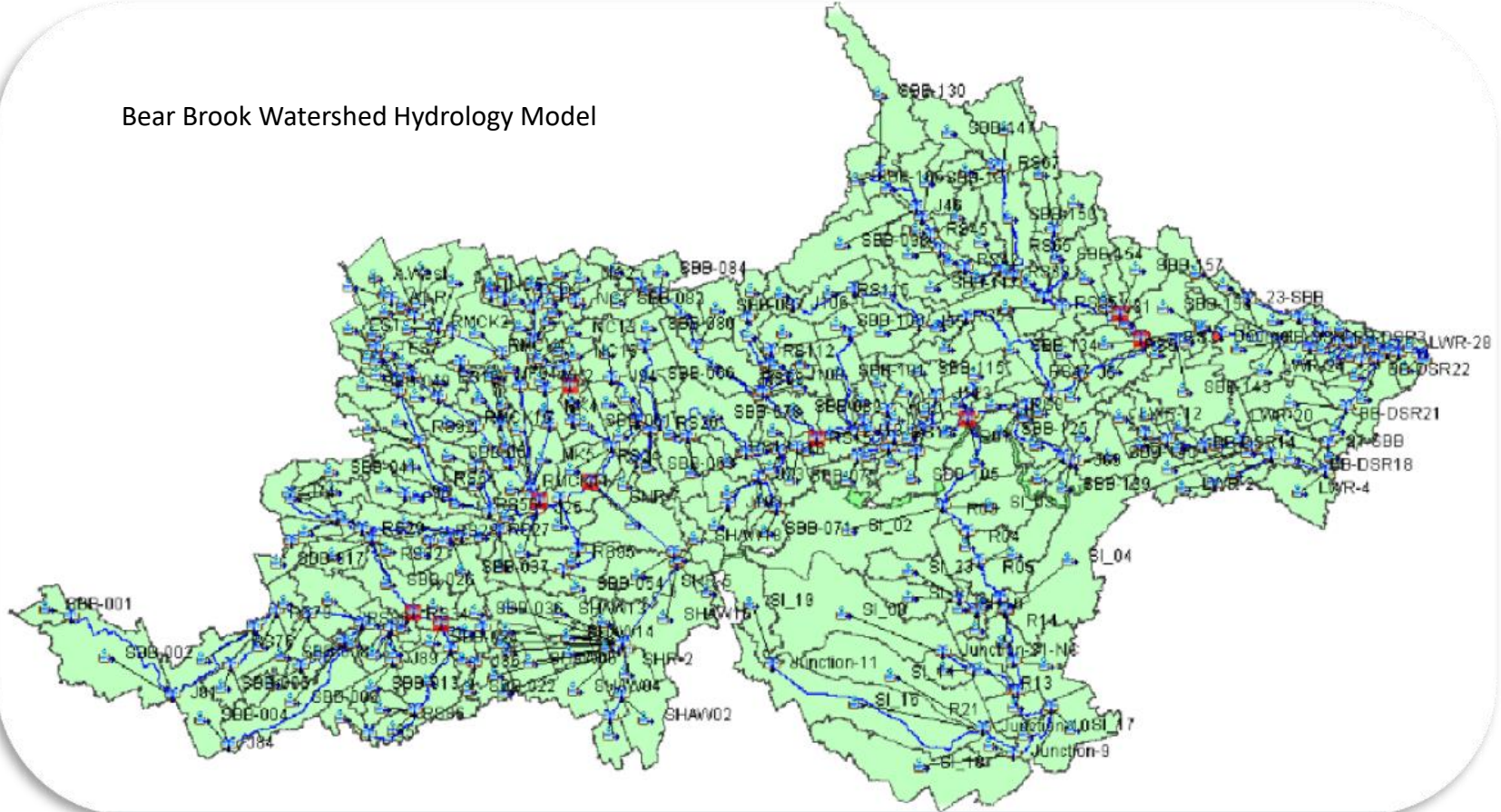
Landcover in Eastern Ontario Update





Bear Brook Watershed Flood Hazard Mapping

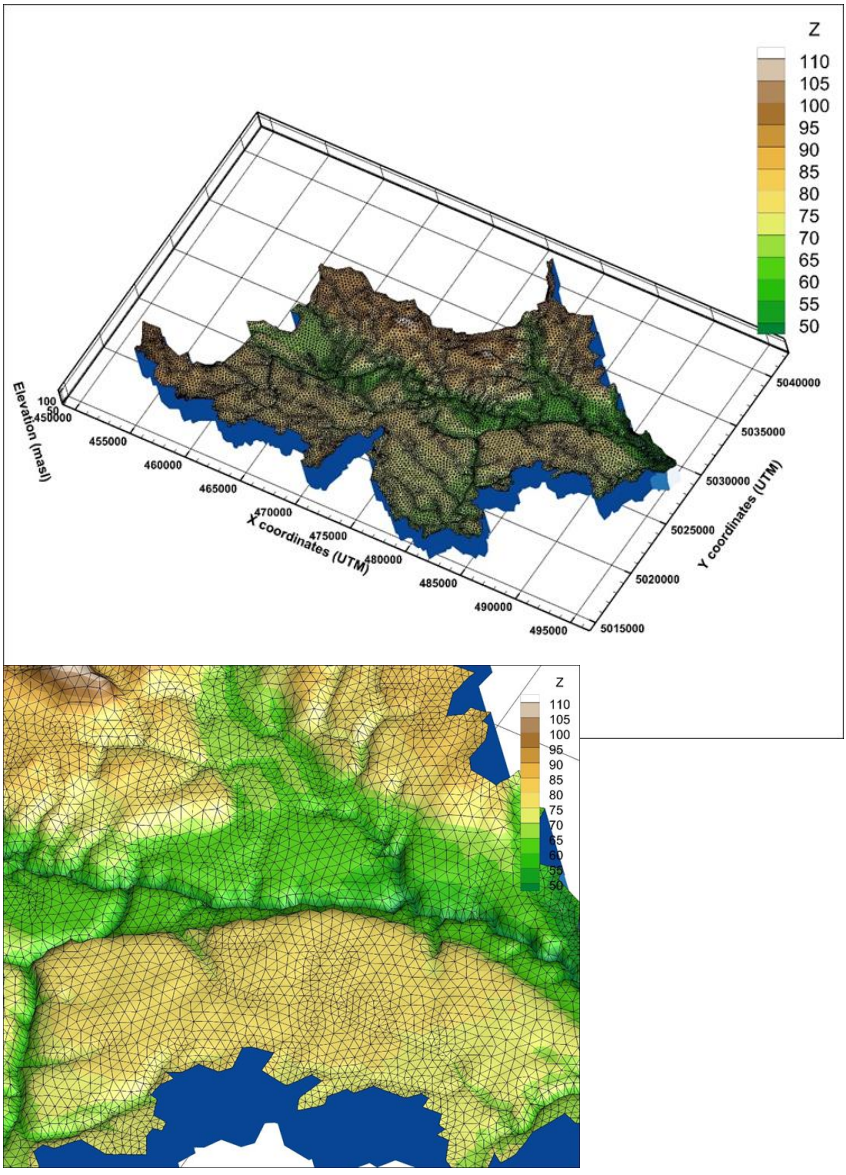
Bear Brook Watershed Hydrology Model



- FHIMP (Flood Hazard Identification Mapping Program)
- Hydrology and Hydraulic Modeling



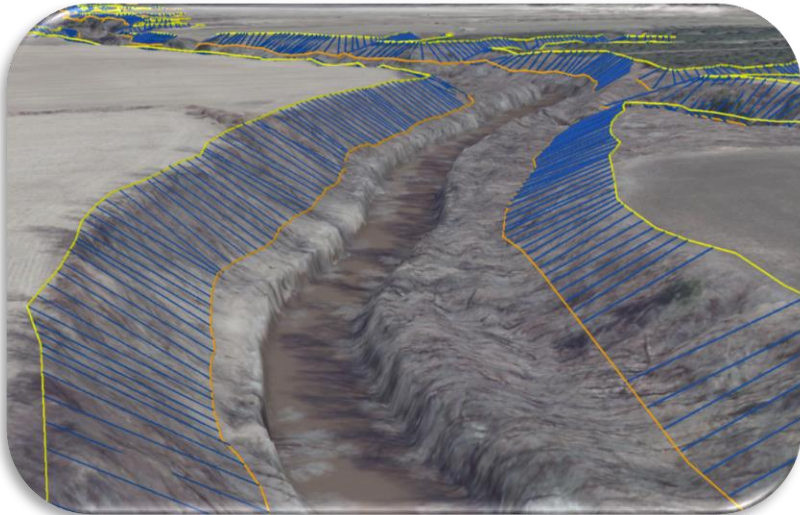
Bear Brook Watershed Study



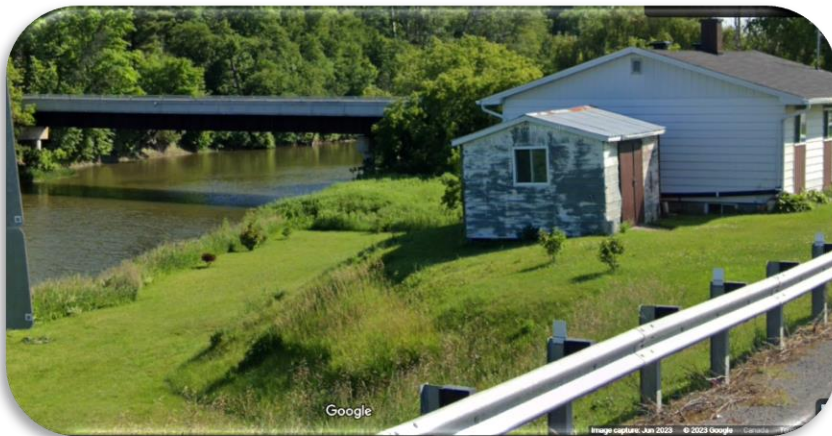
- Agreement signed with City of Ottawa for 3-year Bear Brook Watershed Study
- Working on Phase 1: Characterization Report
- Includes contract with Aquanty to build water budget



Erosion Hazard Mapping: Slope Stability



3D representation of slope digitized along the Bear Brook.



Local property built on a slope. Credit: Google 2023

- Delineated approximately 125 km of slope
- Supports the identification of erosion hazards and development of SNC regulated area



Municipal Drainage Concerns



Staff working to looking into erosion concerns near Plantagenet

- Contacted by local road and drainage staff
- Impacts to road, culverts, and adjacent property owners due to significant erosion
- Wetland area cleared prior to new by-law taking effect



Ducks Unlimited Wetland Partnership

Construction inspections, Metcalfe, City of Ottawa



Post-construction monitoring, Grantley, South Dundas



- Ducks Unlimited Wetland projects are continuing through the summer
- Staff are routinely inspecting contractors work and completing monitoring



Findlay Creek Boardwalk Extension





Findlay Creek Boardwalk Extension





Findlay Creek Boardwalk Extension





Conservation Area Management





Conservation Area Management



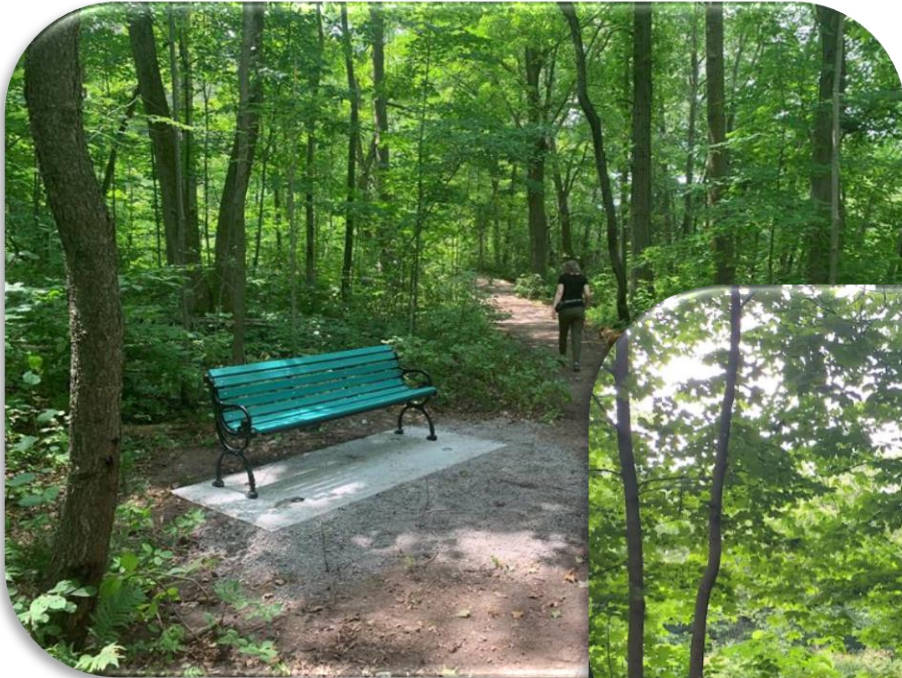


Conservation Area Management





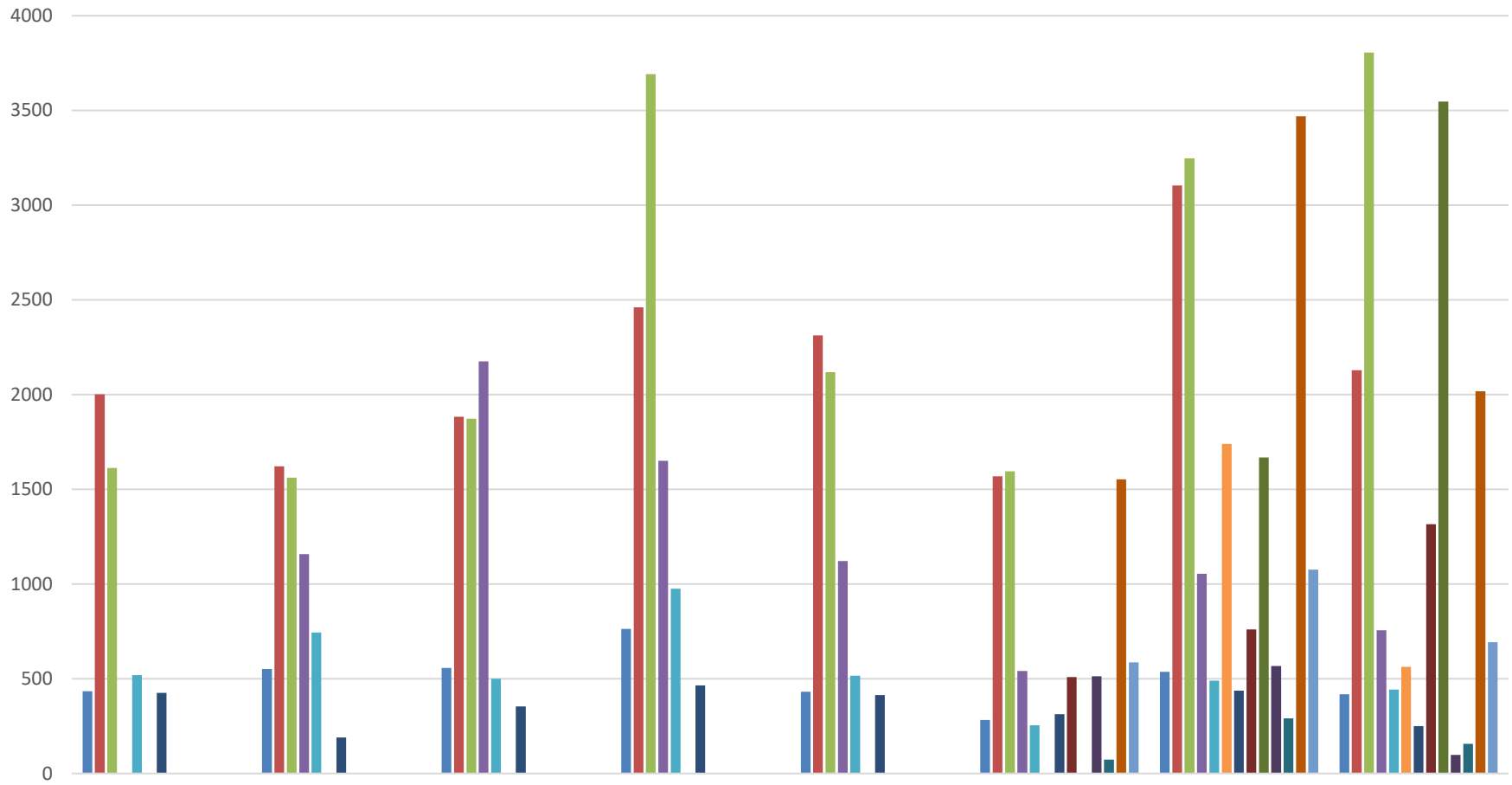
Conservation Area Management





Conservation Area Stats

2023 Conservation Area Usage

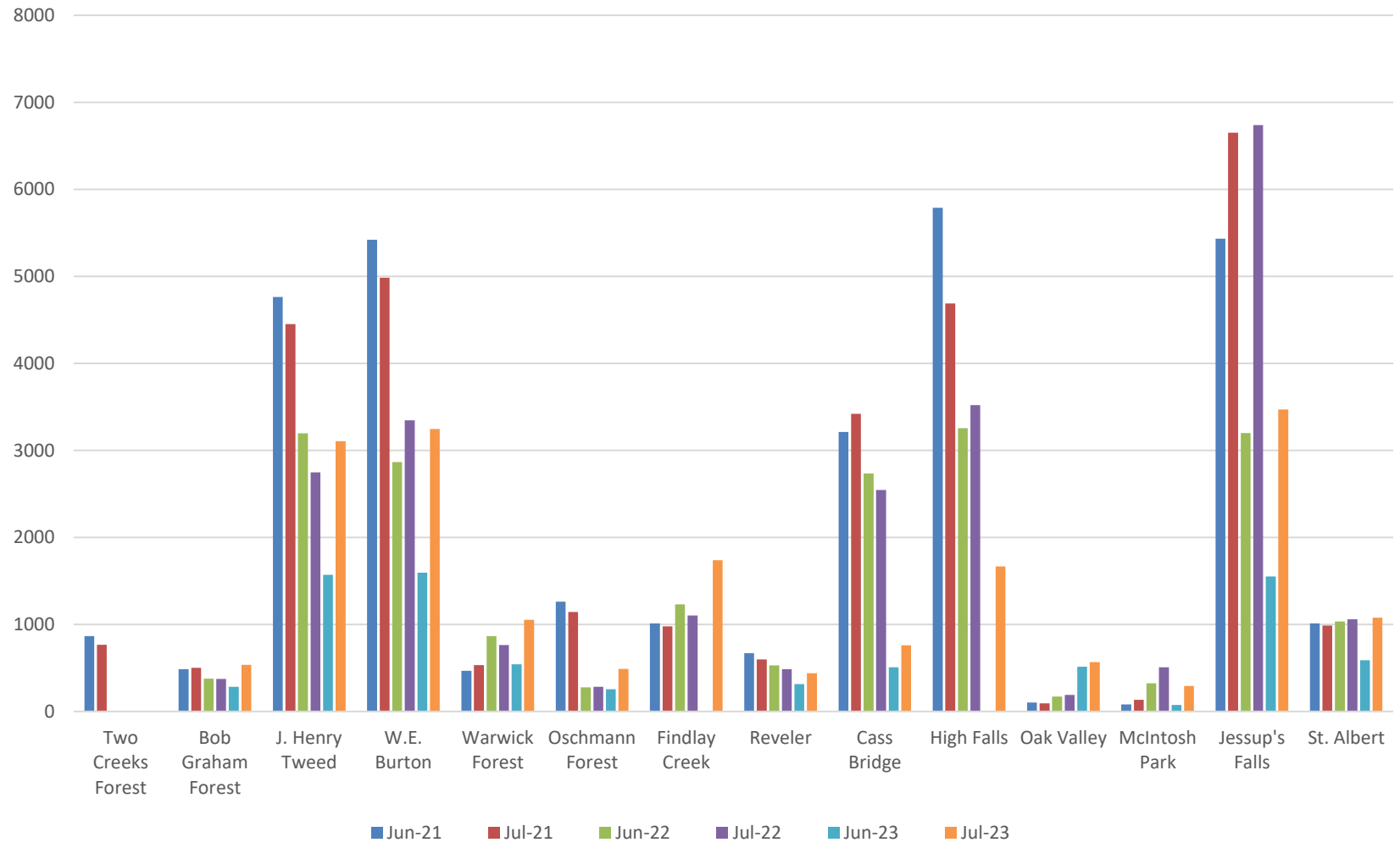


- Bob Graham Forest
- J. Henry Tweed
- W.E. Burton
- Warwick Forest
- Oschmann Forest
- Findlay Creek
- Reveler
- Cass Bridge
- High Falls
- Oak Valley
- McIntosh Park
- Jessup's Falls
- St. Albert



Conservation Area Stats

June & July Conservation Area Stats 2021 - 2023





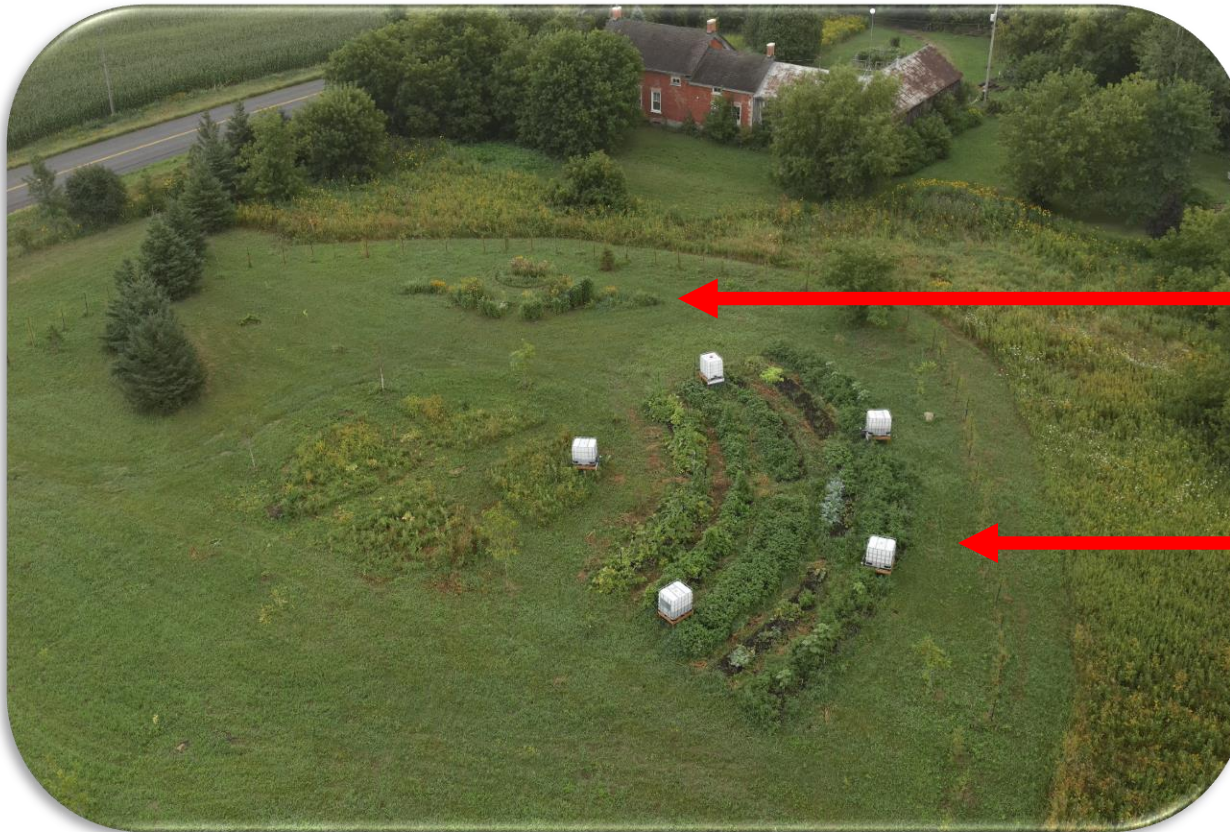
Bob Graham Phragmites Control



- Phragmites monitoring and removal at Robert Graham Conservation Area
- Higher population densities reported in both new and pre-existing locations
- Requires ongoing management via spading and seed-head cutting



The Healing Place



Partially completed
Butterfly Garden

3 Sisters Garden

- Funding secured by Plenty Canada to complete the Children's Butterfly Garden
- Hosting a harvest gathering and clean up on October 4th
- EOFNWG meeting in person/virtual September 8th @ SNC Office



European Water Chestnut Removal



- Conducted management efforts to remove EWC from the Castor and South Nation Rivers
- Removed over 2,000 plants since the beginning of July
- SNC was joined by a team from the Invasive Species Centre
- Requires ongoing monitoring and management



Municipal Partnerships: Stormwater Management



Olde Town Road stormwater facility, Russell.

Stormwater Facility Management

- Control woody vegetation in stormwater infrastructure to improve function and capacity
- Cost-recovery partner program



Salvage Operation SNC 69 & 105



Salvaged area, SNC 105, Clarence-Rockland

- Operations completed July 24th
- All wood picked up by August 11th
- Over 570 tons of sawlogs salvaged
- Over 500 tons of biomass salvaged (to be confirmed)
- Planning to begin reforestation in fall 2023 (site prep fall 2023, planting spring 2024)



Logging Operation SNC 75



Wood at roadside, SNC 75, Lemieux

- Operation in progress (to be completed by the end of the month)
- White pine, Red pine, White spruce, and some hardwood



Derecho Storm Recovery Program



Heavily damaged trees, private property, Wendover

- 55 eligible applications received
- 6 ineligible applications
(less than 4ha, ineligible retroactive expenses, or outside eligible area)
- 9 visits completed
(up until August 17th)
- Site visits continue through August-October
- Site prep and salvage operations to start fall 2023
- Planting to start spring 2024



Derecho Storm Recovery Program (continued)



Salvaged area, private property, Plantagenet



Uprooted trees, private property, Wendover



Municipal Partnerships: Forestry Services



Caro taking a break, Parc Simon, Rockland

City of Clarence-Rockland

- Inventory of all landscape areas completed (17 parks total)
- Over 467 trees inventoried
- Species diversity report and recommendations in progress



Municipal Partnerships: Forestry Services



Assessed ash tree for removal

Township of Edwardsburgh/Cardinal

- Completed tree risk assessments to mitigate effects of 2022 severe storm events
- Developing tree planting plans and coordinating planting where necessary



Tree Planting Program Update

- 20 site visits completed
- 32 more in site visits in queue
- 31,700 trees confirmed to date for spring 2024



2023 completed project
2,200 trees
South Stormont

Our Local Environment, We're in it Together.



SOUTH NATION
CONSERVATION
DE LA NATION SUD