



SOUTH NATION
CONSERVATION
DE LA NATION SUD

Project Update

June 15th, 2023





New Associate R.P.F



- Underwent the vigorous CAP (Credential Assessment Process) to acquire new designation
- Requirements included "gap bridging" courses through Lakehead University and the Canadian Institute of Forestry



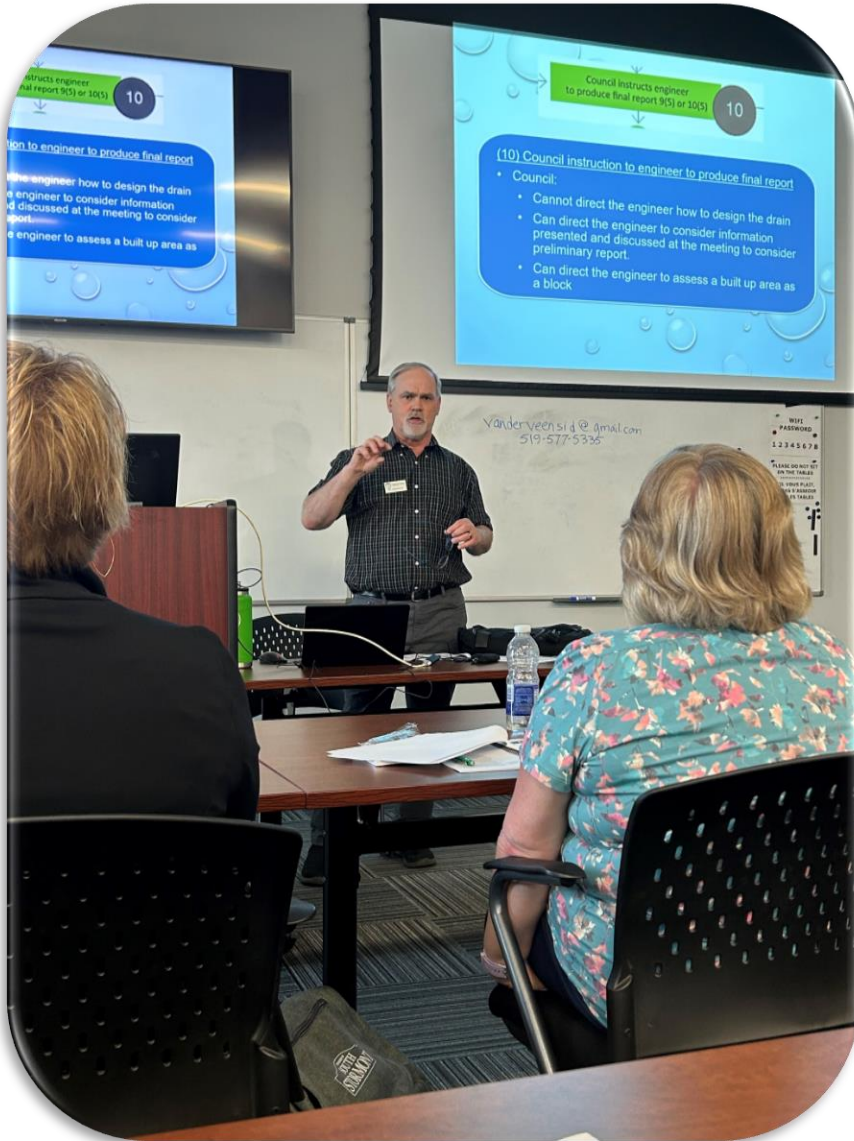
Chainsaw Train-the-Trainer Program



- Hosted in Cornwall, March 21- 23
- 2 SNC staff completed the training
 - Caroline Goulet
 - Todd Baker



Learning from the Best



- Rural Drainage Act for Municipalities Workshop
- June 1st and 2nd
- Organized by the Drainage Superintendents Association Ontario – Chapter 6
- Presenter: Sid Vander Veen, P.Eng.



Ontario Public Works Association Walking Tour

2023 Public Works Week

5km Stormwater Walking Tour:

- Hemmingwood Way
Bioretention Cells
- Pinecrest Creek
- Baseline/Woodroffe Storm
Water Management Pond
- Rain Ready Ottawa





Water Diplomacy

First Anniversary of the International Day of Women in Diplomacy

Elevating Women's Leadership of Effective Water Diplomacy

Tuesday, June 20, 1:00 pm- 2:30 pm

Washington DC and Online

Water as a source of **conflict**
Water as a **weapon**
Water as a tool for **peace**



<https://waterdiplomacy.org/framework/>



Team Building



Staff Tree Planters
The Healing Place (SNC 164), Shanly
Edwardsburgh Cardinal

- Staff rallied to plant 2,550 trees at the Healing Place
- Refill of original project planted in 2020



2023 Tree Planting Season



- Season lasted 31 days
- Staff planted over 25,000 trees and worked with over 110 landowners to get 197, 770 trees in the ground
- 2 planting contractors; 3 spot spray contractors

Staff (Naomi) planting SDG Roadside site
Bush Glen Road and County Road 11, South Stormont



The Healing Place – Art on the Water Tanks

- Partnership with North Dundas District High School
 - Art students creating mosaic tiles





The Healing Place – 3 Sisters Garden



Aerial view of the Healing Place

- Replanting the 3 Sisters community garden
 - Holy Trinity High School, May 24th
 - North Dundas District High School, May 26th



Left: Holy Trinity HS



Right: North Dundas District HS



Findlay Creek Spring Clean-up



Community Clean-up and Shrub
Giveaway at Diamond Jubilee Park,
Findlay Creek

Sunday, May 28th

- Collected over 50 bags of garbage
- SNC tree and shrub giveaway



Findlay Creek Boardwalk Extension



Clearing Boardwalk Pathway, Findlay Creek
Boardwalk Extension, Findlay Creek

- Construction began June 5th
- Completion by end of August
- Official opening in September



Findlay Creek Boardwalk Extension



Dead standing tree with Tree Swallow nest inside



Great Crested Flycatcher nest in Wood Duck box

- Breeding bird survey
- Required prior to vegetation clearing



Protecting Municipal Drinking Water

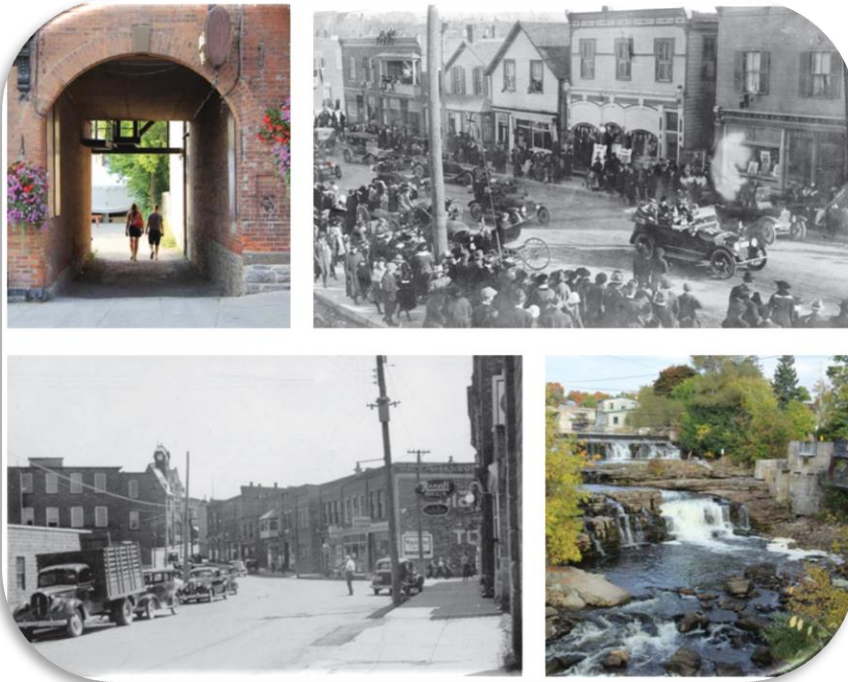


Raisin-South Nation Source Protection Committee Members

- The Source Protection Committee reviewing significant policy updates
- Major changes to provincial rules create new potential drinking water threats
- Early engagement with the Province this summer



Connecting with Municipal Partners



Almonte's Historical Conservation Districts

- Ontario Professional Planners hosting Eastern Ontario Rural Workshop in Almonte
- SNC and Mississippi Valley Conservation Authority invited to give a comprehensive update on CA Planning and Law
- Working to promote and reinforce the great work CAs do for municipalities



Supporting Municipal Planning



SNC Staff assessing wetlands in the field

- Bill 23 required SNC to stop reviewing environmental impact studies for planning applications
- Municipalities have had difficulty finding expertise outside of the CA
- Developing a mentoring/training program to support municipal planning staff



Municipal Services



New agreement with Russell Municipality:

- Inspection of a Storm Water Management Facility (SWMF) in Embrun
- Application of Herbicide at a SWMF in Russell



Leveraging Federal/Provincial Funding

- National Disaster Mitigation Program (NDMP) program ended March 31st, 2023
- SNC submitted the final reports for Intake 6
- Table shows SNC's funding from NDMP over the years

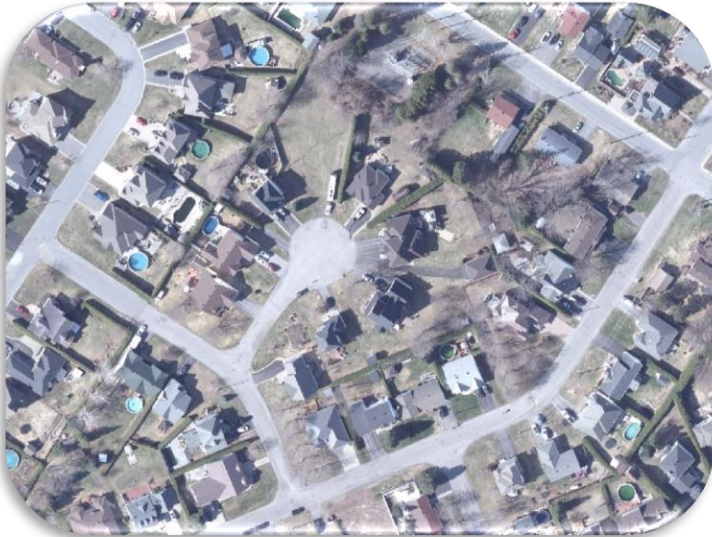
		NDMP	Other	Total
2015	Intake 1	\$169,775	\$169,775	\$339,550
2016	Intake 2	\$409,350	\$409,350	\$818,700
2018	intake 4	\$241,500	\$241,500	\$483,000
2019	Intake 5	\$531,509	\$531,593	\$1,063,103
2020	Intake 6	\$619,783	\$619,783	\$1,239,565
Total		\$1,971,917	\$1,972,001	\$3,943,918



DRAPE Aerial Imagery Acquisition 2024

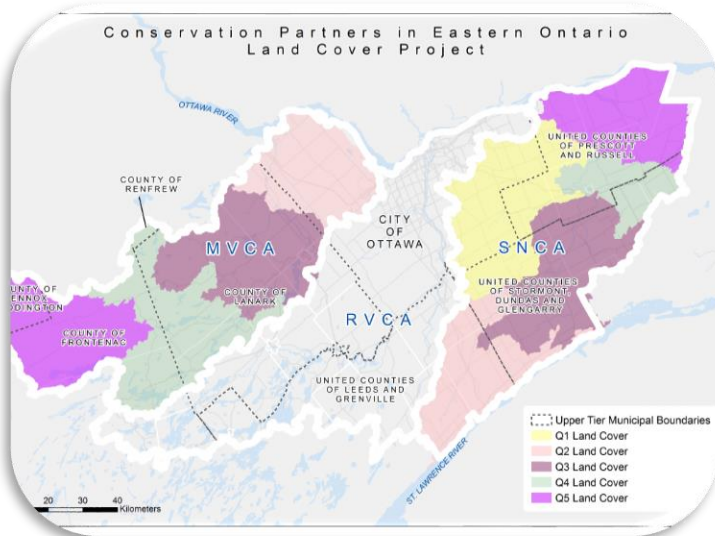


- **Digital Raster Acquisition Project Eastern Ontario**
- Partnership with Ministry of Natural Resources and Forestry
- Scheduled for spring 2024 (leaf-off, spring freshet conditions)





Landcover Update in Eastern Ontario



- Multi-partner initiative (City of Ottawa, MVCA, & SNC)
- Aim to generate high-resolution landcover data using latest aerial imagery acquisition
- Approx. 40% complete with full completion expected in spring 2024





Bear Brook Watershed Study



Staff deploying data loggers at one of the stream sites in the Bear Brook watershed

- Deployment of temperature loggers throughout the Bear Brook watershed (June 13 - 16)
- Data collected will inform thermal classification of significant stream sites
- Contributes to the development of a characterization report for the Bear Brook Watershed Study



Grassland Stewardship Initiative - Monitoring



SNC 164 (The Healing Place), Habitat Quality Assessment No. 3

- Year 3 of monitoring hayfield/grassland habitat
- High quality habitat and hay achieved
- Grassland Species Present:
 - Savannah Sparrow
 - Bobolink
 - Eastern Meadowlark
 - Eastern Kingbird



Water Control Structures



Chrysler Dam

- The Engineering Team has prepared a 10-year strategy (2023-2033) for water control structures
- *Conservations Authorities Act* requirements for Water Control Structures:
 - Operation, Maintenance and Surveillance
 - Emergency Preparedness Plan
 - Emergency Response Plan
- Staff are currently working on the Chesterville Dam OMS Manual



Improved Restoration Project Planning



Digital map showing a wetland design over aerial imagery of the property



SNC staff using survey equipment to mark the wetland outline with flags

- New digital tools to improve restoration projects
- Marking wetland designs on-site using online maps and high accuracy, real-time positioning technology
- As-built surveys of the final wetland shapes



Flood Plain Mapping Fieldwork



Staff conducting bathymetric survey on the Castor River

- Flood plain mapping bathymetry completed for Bear Brook, Castor River and South Branch studies
- structure surveys complete for all 3 projects
- Reports submitted for all 3 projects

Our Local Environment, We're in it Together.



SOUTH NATION
CONSERVATION
DE LA NATION SUD