



SOUTH NATION
CONSERVATION
DE LA NATION SUD

Project Update

April 17th, 2025





Co-op Student: Cheyenne Prevost



- Grade 12 at St. Thomas Aquinas CHS
- Courses in environmental science, biology, and chemistry (Grade 11 - 12)
- I like to fish, crochet, and I throw tomahawks at small competitions



Placement Student: Aryn Cain



- Graduated St. Thomas Aquinas CHS in 2023
- Finishing final year at St. Lawrence College in Environmental Technician program
- Love walking through trails with my dogs, have always enjoyed being in nature



New Staff: Reza Fallah



- M.Eng. in Environmental & Water Resources Engineering (*Concordia University, Montreal*)
- M.Sc. in Watershed Management Engineering (*Tehran University*)
- 20+ years of experience in watershed hydrology studies and urban green infrastructure construction
- Lover of nature, family, travel, and joyful gatherings.



New Staff: Henish Goswami



- Graduated with Master's Degree in Civil Engineering – Water Resources
- Registered EIT with PEO since 2024
- 5-years of working experience in water resources engineering and management
- Enjoys photography, exploring different genres of music, and is a casual gamer



Municipal Information Day



- Showcase programs, services, and partnerships at work
- Over 80 Municipal attendees
- Opportunity to network with municipal partners



Eastern Ontario CA Planning & Regs Meeting



- Planning Directors and planning/regulations staff from all Eastern Ontario CAs met at Cataraqui Conservation on April 11th
- Topics included planning and policy updates along with dealing with permitting challenges and case studies



Eastern Ontario First Nations Working Group



- Working Group is non-political, working on-the-ground together to join efforts on issues and opportunities
- Co-Chaired by Plenty Canada, Mohawk Council of Akwesasne's Environment Program, and South Nation Conservation
- Hybrid meeting hosted at SNC's office on April 11th



Local Federation of Agriculture Events



- Four outstanding leaders into the Dundas Agriculture Hall of Fame on Saturday, April 12th



- SD&G Federations held a joint All Candidate's Meeting on April 15th



Strengthening Partnerships



Riverside Cedar Campground,
South Dundas

- St. Lawrence Parks Commission restoring habitat at various park and properties
- Increased collaboration with SNC to provide expertise, guidance, and implementation
- Multi-year partnership



Project Funding Success



- \$30,844 - Invasive Species Action Fund
- \$30,000 – Invasive Phragmites Control Fund
- \$200,000 – World Wildlife Fund Nature and Climate Grant Program

Invasive Phragmites Control Fund



Invasive
Species
Centre



Centre des
espèces
envahissantes





Water Control Structures



Chrysler Dam, 2014

- An engineering assessment is scheduled this year at the Chrysler Dam
 - A request for quotes was sent out to engineering firms
- Signs have been ordered for the Chrysler Dyke
 - Part of the Safety Upgrades project (WECl)



Trail Mapping



- Arrow GNS mapping technology
- Part of the development of new trailhead signs



Sign Strategy Rollout



- New Two Creeks Forest Trailhead sign
- Includes map of new trail completed last summer



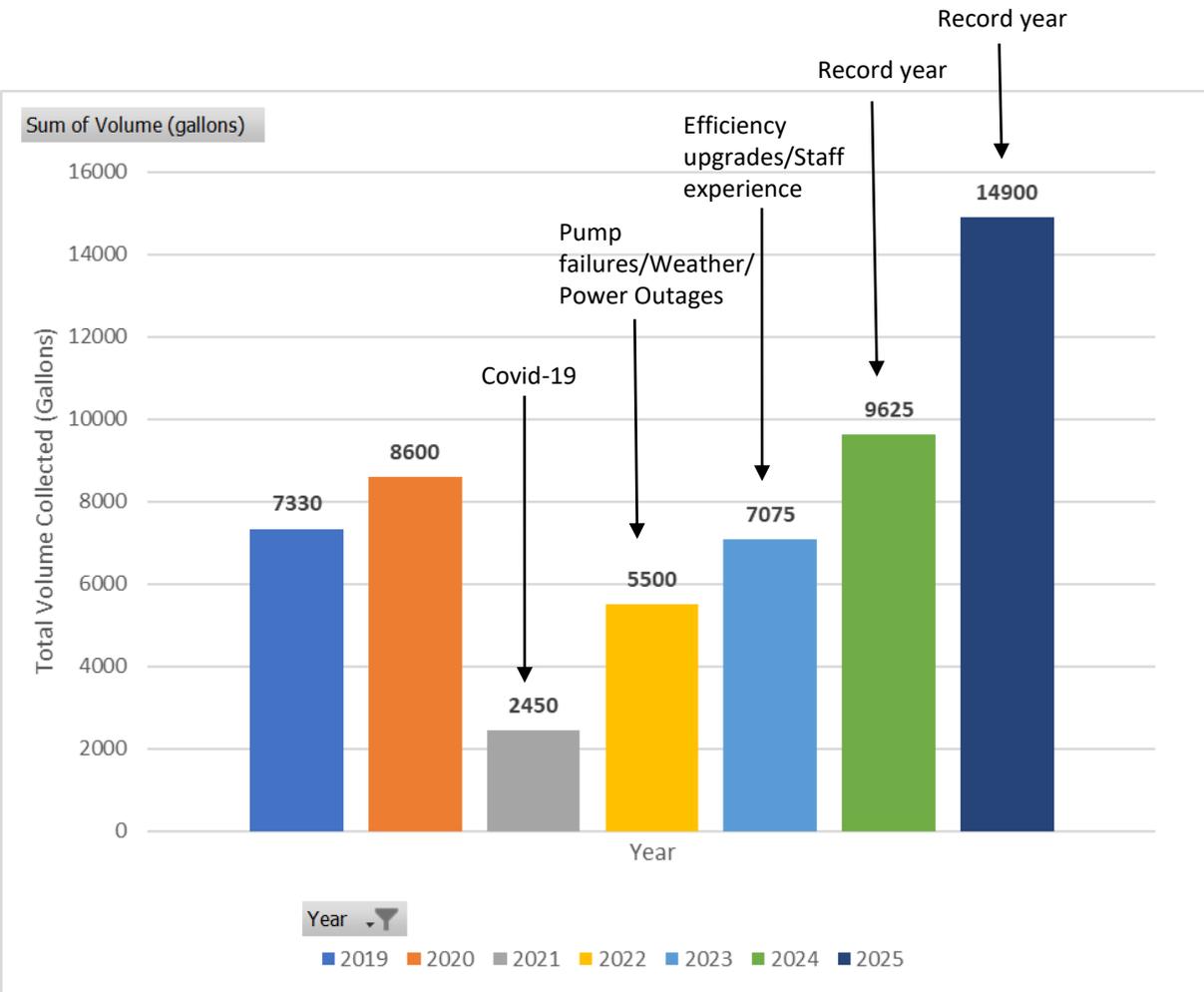
Findlay Creek Boardwalk Trailhead Sign



- Updated as part of the Revitalization Project
- Site visit with Federal Economic Development Agency staff



Sweet Success – Oschmann Forest

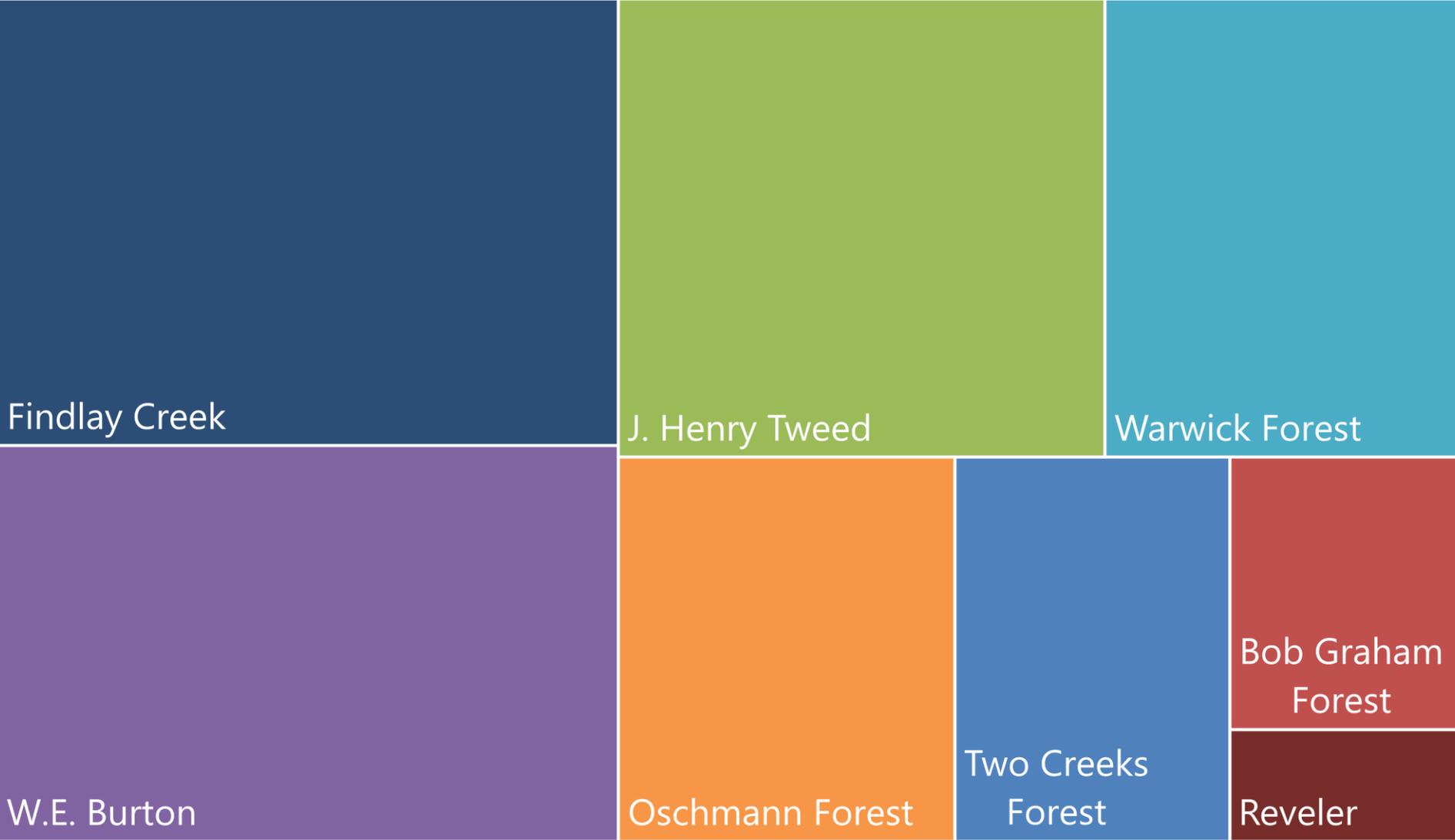


- Season finished; Sap collected March 8th – April 13th
- 590 taps
- 2.3% average sugar content
- 14,900 gallons sap = ~390 gallons of syrup



Monthly Visitation Stats

Estimated April Visitation (10,313)





Wetland Construction – Two Creeks Conservation Area



- Two wetland ponds constructed in March
- ~5 acres of wetland habitats

Constructed Wetland, Two Creeks Conservation Area, Iroquois – April 2025



Snake Island Forest Restoration

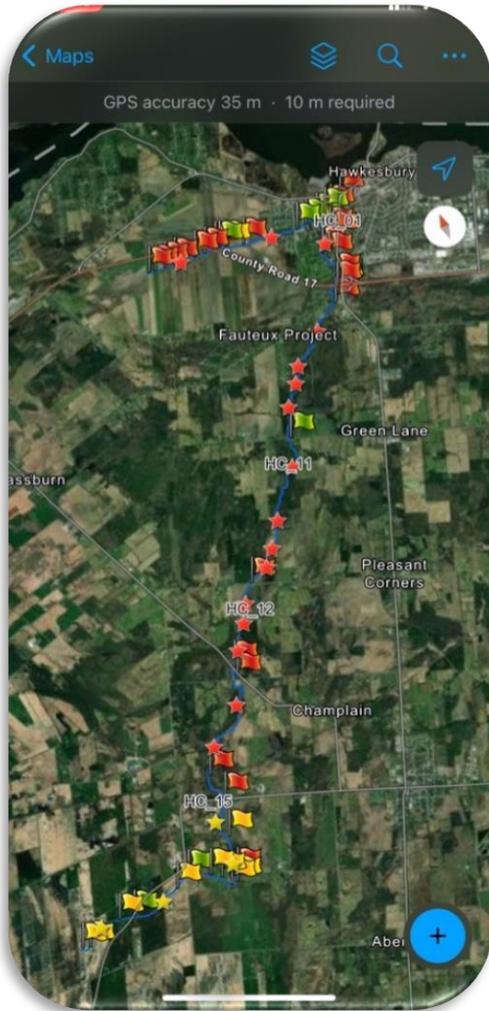


Snake Island Forest property looking south, during flood,
April 7th, 2025

- Multi-year restoration project targeting wetland, grassland and forest
- Pre and post restoration monitoring
- Western Chorus Frog, a species at risk, heard on April 14th, 2025



Hawkesbury Creek Field Work



Hawkesbury Creek Structure
Survey Field Map

- Flood Hazard Identification Mapping in Hawkesbury Area
- Utilizing ArcGIS Field Maps to track progress in real-time





Provincial Ground Monitoring Network

Station	Conservation Authority	Region	NESID	Parameter	Timeseries	Datafrom	Datauntil
W0000096-0	South Nation Conservation	Eastern	3B699676	BaroLevel	Cmd.O_FTS	06/04/2017 0:00	04/09/2025 7:00
W0000096-0	South Nation Conservation	Eastern	3B699676	BAT	Cmd.O	09/21/2020 15:00	04/09/2025 7:00
W0000096-0	South Nation Conservation	Eastern	3B699676	BAT_T	Cmd.O	09/21/2020 15:00	04/09/2025 7:00
W0000096-0	South Nation Conservation	Eastern	3B699676	Precip	Cmd.TransmittedRawNetNew	09/21/2020 14:45	04/09/2025 7:00
W0000096-1	South Nation Conservation	Eastern	3B699676	GWLVL	Cmd.O-FL	09/21/2020 15:00	04/09/2025 7:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	BaroLevel	Cmd.O_FTS	06/04/2017 0:00	04/09/2025 8:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	BAT	Cmd.O	10/01/2014 1:00	04/09/2025 8:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	BAT_T	Cmd.O	10/01/2014 1:00	11/13/2019 16:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	SoilCond_10cm	Cmd.O	06/26/2012 23:00	04/09/2025 8:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	SoilCond_20cm	Cmd.O	06/26/2012 23:00	04/09/2025 8:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	SoilCond_50cm	Cmd.O	06/26/2012 23:00	04/09/2025 8:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	SoilM_10cm	Cmd.O	06/26/2012 16:00	04/09/2025 8:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	SoilM_20cm	Cmd.O	06/26/2012 23:00	04/09/2025 8:00
W0000097-0	South Nation Conservation	Eastern	3B64D61A	SoilM_50cm	Cmd.O	10/07/2017 17:00	04/09/2025 8:00
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W0000377-0	South Nation Conservation	Eastern	3B697584	BAT_T	Cmd.O	09/21/2020 15:00	04/09/2025 7:00
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W0000499-0	South Nation Conservation	Eastern	3B6060AE	SoilCond_10cm	Cmd.O	08/18/2015 16:00	04/09/2025 16:00
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W0000499-9	South Nation Conservation	Eastern	3B6060AE	GWLVL	Cmd.O-FL	06/27/2019 12:45	04/09/2025 16:30

Weekly Telemetry Report from MECP April 9th, 2025

- PGMN network is in excellent condition
 - Highlights in orange are currently manual download sites
 - Red highlights are not currently programmed into the transmitter
- Site visits will begin soon to download data and take manual water level measurements



Drainage Act & Section 28 Regulations Team

Drainage Act and Conservation Authorities Act Protocol

Protocol for Municipalities and Conservation Authorities
in Drain Maintenance and Repair Activities



ontario.ca



- Established in 2008, last meeting in 2018
- DART Protocol approved in 2012
- Group relaunched to renew collaboration and problem solving



McKinnons Creek Municipal Drain Permit

**Robinson
Consultants**

Engineer's Report for the
McKinnons Creek Municipal Drain
and Amendments to the Richard
Clark Municipal Drain

DRAFT FOR SNCA REVIEW

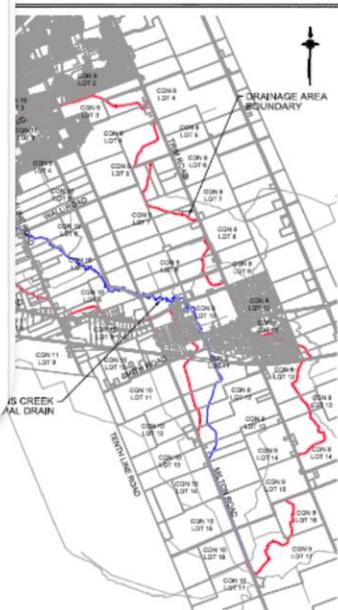
Prepared For:



Prepared By:

Robinson Consultants Inc.
Consulting Engineers

Our Project No. 15070
September 2024



**Robinson
Consultants**

LOCATION PLAN

3.1

McKINNONS CREEK MUNICIPAL DRAIN

15070

NTS

SEP 2024

- SNC permit issued on April 14th, 2025
- Permit conditions for monitoring, reporting and verification of works
- Required to finalize Engineer's Report

Engineer's Report for McKinnons Creek
Municipal Drain

Our Local Environment, We're in it Together.



SOUTH NATION
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