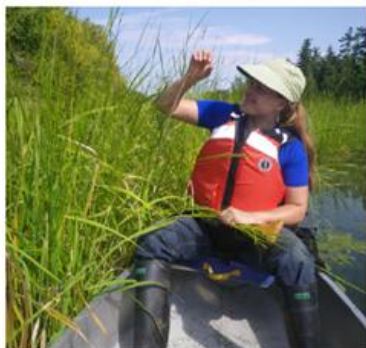




SOUTH NATION
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Project Update

August 21st, 2025





National Planning Conference



Canadian Institute of Planners Emerging Leaders Program participants

- July 8th – 10th in Toronto
- Sessions on natural hazard mapping, private servicing, and more
- Staff attended as part of the Emerging Leaders Program



SNC Youth Fish Camp



- 6 Youth Fish camps
- Over 100 kids registered
 - Ottawa Fly Fishers Society
 - Water Rangers Testing kids
 - Lessons on invasive species
 - Fish-themed activities





New Funding Program for Farmers

FUNDING AVAILABLE!

Resilient Agricultural Landscape Program: Marginal Lands Initiative

Eligible projects include:

- ✓ Tree planting, Buffers and Shelterbelts
- ✓ Water Retention Ponds and Wetlands
- ✓ Grassland Establishment
- ✓ Pollinator Meadows



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European Water Chestnut



- Focus on the Castor River in Embrun, downstream to convergence with SNR and the Casselman boat launch
 - 2023: 17,976 plants
 - 2024: 18,210 plants
 - 2025: 1,950 plants

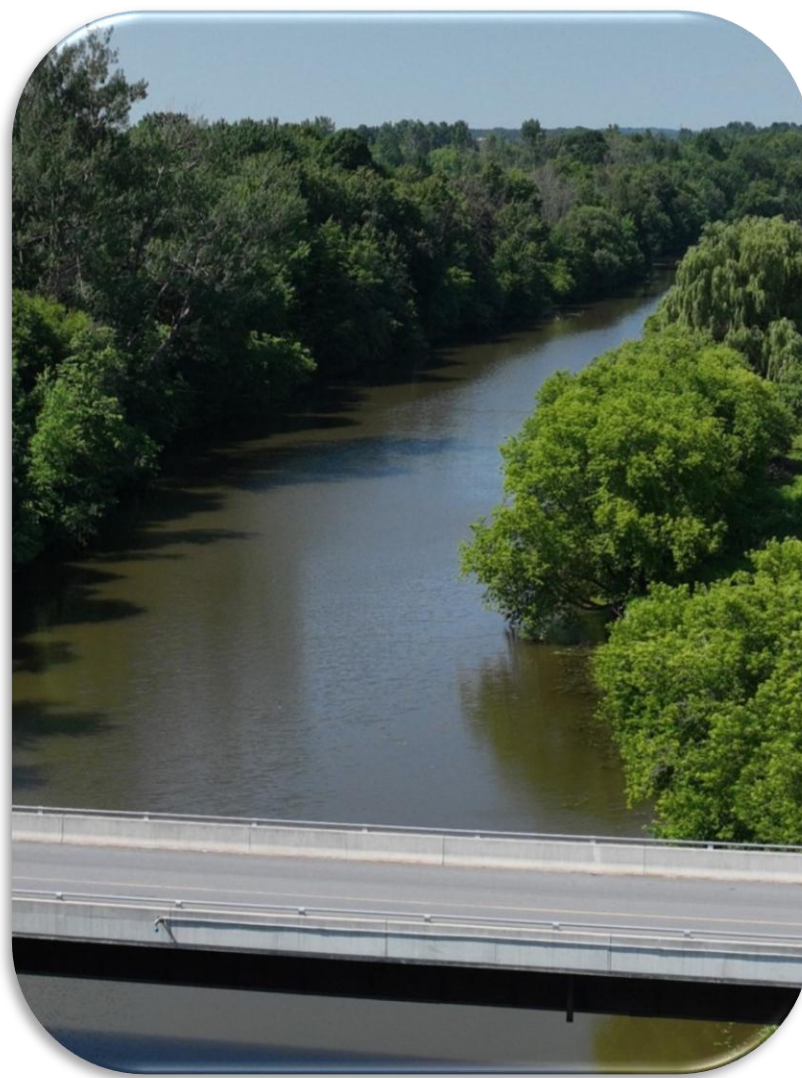
EWC from the South Nation and Castor River



European Water Chestnut – Castor River



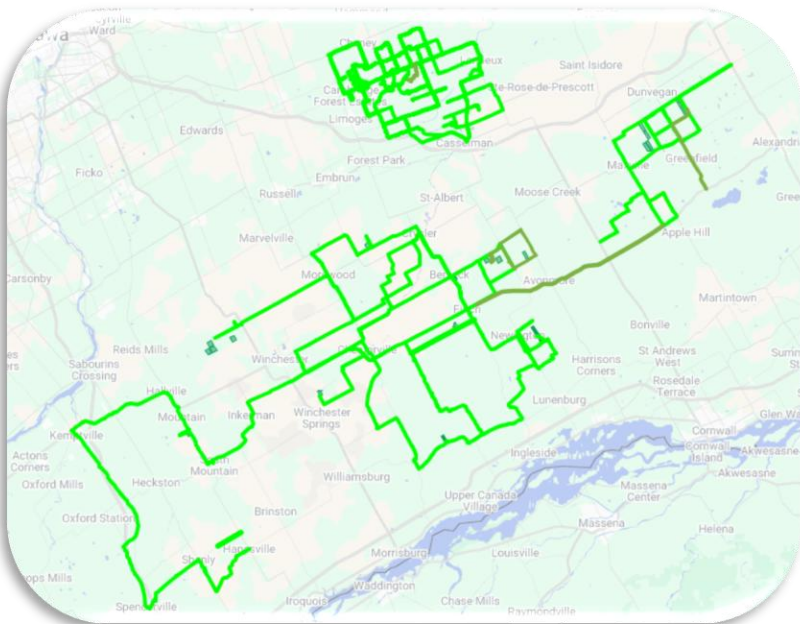
Summer 2023



Summer 2025



Invasive Phragmites Mapping



- Mapping invasive *Phragmites* along roadsides and conservation lands
- Partnership with the River Institute, SDG, UCPR, and Raisin Region CA
- Information will guide future management actions



Two Creeks Forest Conservation Area



Two Creeks Forest Trail Map and Areas of Ash Forest Identified

- Two wetland ponds constructed in 2025
- Trail upgrades and re-routing to be completed
- Hazard tree removals assisted by technology



Snake Island Forest – Year 1 Update



- Birds, bats, mammals, insects, plants, and fish occurrence data obtained.
- Wetland, forest, and meadow restoration underway.

Trail Cameras Support Information on Wildlife Usage



Efficient and Sustainable Land Use - SNC 140



- Pollinator meadow supported by Syngenta Canada.
- Patience with seed sown in Fall 2023 pays off.

SNC 140 (Near Camp Sheldrick), North Dundas



Organization Partnerships

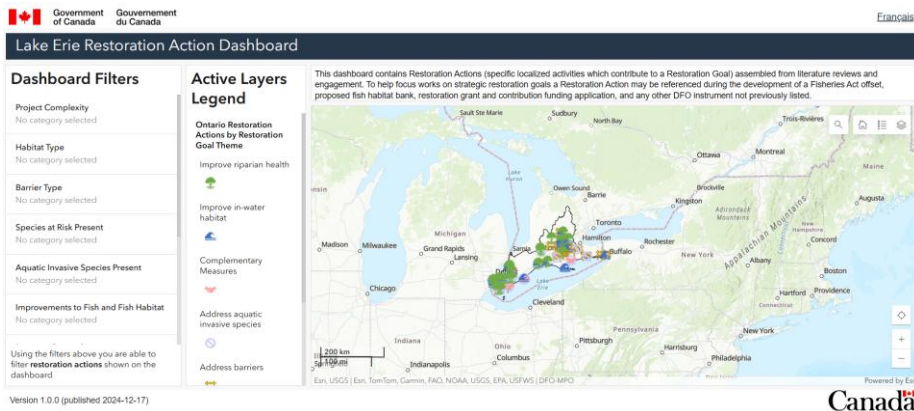


Japanese Knotweed removal with workshop attendees on July 22nd, at Tweed Conservation Area.

- Invasive Species ID & Management Workshop was funded through the Invasive Species Action Fund
- We partnered with the United Counties of SDG and the Mohawk Council of Akwesasne, Dept. Of the Environment



Organization Partnerships

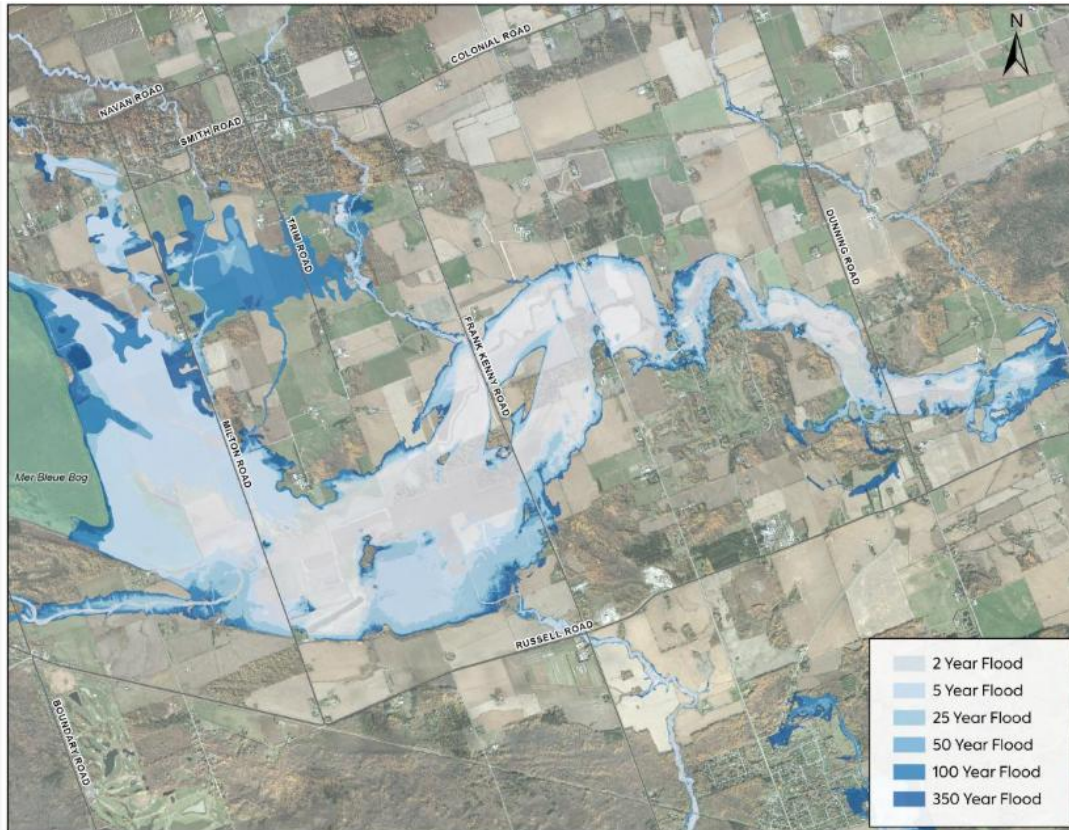


Meeting on August 13th discussed SNC projects that can be included on Dashboard

- Fisheries & Oceans Canada published the "Framework to Identify Fish Habitat Restoration Priorities" in 2023.
- It was rolled out in the Lake Erie watershed, and they are now moving to roll it out in the lake Ontario watershed.



Bear Brook Flood Mitigation Class EA

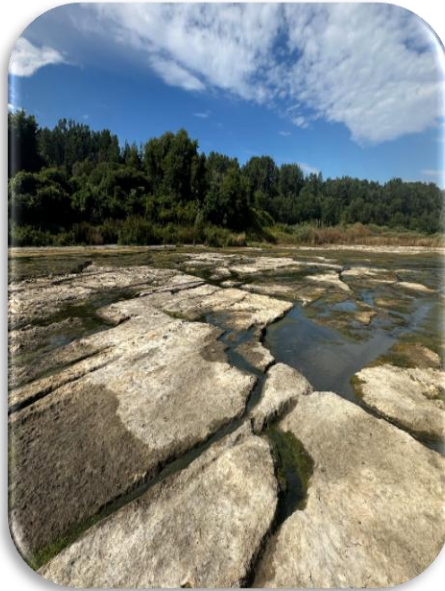


Modeled flood extent between Carlsbad Lane and Dunning Road in Bear Brook in the City of Ottawa

- Flood Mitigation and Preliminary Design Class Environmental Assessment
 - Bear Brook Watershed Study Deliverable
 - SNC/City of Ottawa staff assessed 8 proposals
 - Kick-off meeting with successful bidder occurred on August 20th



Water Control Structures – Seguinbourg Berm



- Seguinbourg berm inspection complete.
- The purpose of the inspection was to:
 - Assess the overall condition of the berm.
 - Assess vegetation growth.
 - Check the condition of the rip rap and culverts



Images from the inspection, Seguinbourg Berm



Water Control Structures – Log Lifter Arms

- The log lifter arms were sent for service last month
- One of the internal seals was damaged and one of the internal cylinders needed to be re-chromed
- The arms should be back in operation sometime next week.





Water Control Structures – Stop Log Bays



- The stop log bays were checked for leaks at Chesterville Dam, Chrysler Dam and Casselman Weir

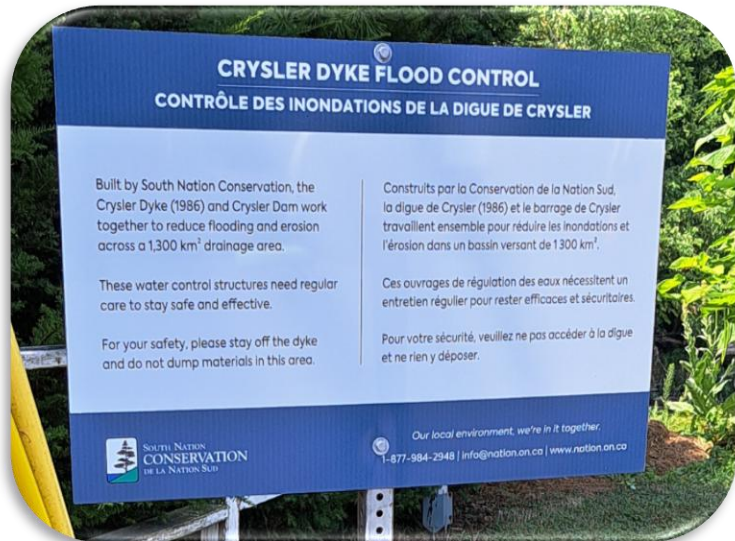


- The leaks were plugged using a variety of methods:
 - Sandbags at Chesterville Dam
 - Wood chips at Chrysler Dam
 - Geotextile at Casselman Weir

Before and After of stop log bay in Casselman



Water Control Structures – WECl Projects



Information sign at the Crylser Dyke



Warning sign at top of berm crest, Crylser Dyke

- Signs were installed at the Crylser Dyke completing a 2024-2025 WECl project
- An engineering assessment of the Crylser Dam is ongoing



Technicians inspecting the Crylser Dam



Monitoring Programs



Large ant colony

- Latest round of manual water level measurements and data downloads is complete
 - important for low water response
- Some rain gauges sent out for repairs, new rain gauges set to be installed this summer.
- One new station planned for McKinnon's Creek.
- Ongoing maintenance of stations as required.



Corroded terminal due to bad battery



Newly installed replacement battery



Lepage Charbonneau Field Work



Lepage Charbonneau Municipal Drain

- Future neighbourhood at Orleans South E1 Site off Wall Road

- Floodplain analysis of Lepage Municipal Drain and tributary, in partnership with the City of Ottawa



Lepage Charbonneau Municipal Drain



SNC Guidelines

- To ensure that reports submission meet SNC's requirements, which will improve approval timelines.
- The Engineering Department is developing guidelines to assist consultants in their reports.

S.No.	GUIDELINE	STATUS
1	Culvert	Final Draft Completed and circulated with Rideau Valley Conservation Authority (RVCA) and Mississippi Valley Conservation Authority (MVCA) for one last review.
2	Water Course Modification	
3	Safe Access	
4	Floodproofing	
5	Direction Drilling	These are under draft stage and currently being reviewed internally.
6	Stormwater Management	
7	Geotechnical Hazard Assessment	
8	Erosion and Sediment Control	
9	Shoreline Naturalization	

Our Local Environment, We're in it Together.



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