



South Nation
Conservation
de la Nation Sud

Project Update

August 13th, 2026





Congratulations Bill!

2026 Senior of the Year Award

In recognition of outstanding contributions after age 65 that strengthen and protect your communities.



Presented at the June 17th Council Meeting
North Dundas



Congratulations Chris!



June 16th Eastern Ontario Model Forest Meeting
Limerick Forest, North Grenville

2025 Ross Silversides Forestry Award

- Recognition of outstanding contributions to the vision of sustainable forestry in Eastern Ontario
- 2024 recipient: Pat Piitz



Eastern Ontario First Nations Working Group



Eastern Ontario First Nations Working Group, June 18th, 2026
Kemptville Community Centre, North Grenville

- Hosted by Township North Grenville and their Indigenous Advisory Circle
- Optional afternoon tour of the Mino-jichaag Mtigwaaki (*translation: Good Spirit Forest*) located at the Ferguson Forest Centre



2026 Youth Fish Camp Recap





2026 Youth Fish Camp Recap





NRCan Staff Tour of Tree Planting Projects



Property of Jean-Claude Havard, June 26th
Plantagenet, Alfred & Plantagenet

Federal-Supported Tree Planting:

- **Derecho Storm Recovery Project**
(NRCan - 2 Billion Tree Program: \$820,00)
- **Wetland Restoration**
(Ducks Unlimited Canada: \$375,000)
- **Growing Canada's Community Canopies**
(Federation of Canadian Municipalities: \$372,400)
- **SNC Tree Planting Program**
(Forest Canada Programs: ~\$125,000 annually)

Natural Climate Solutions Fund:

- 2 Billion Trees Program
- Nature Smart Climate Solutions Fund



Canadian Institute of Planners Conference



- July 7-9, Montreal
- Networking
- Informative sessions
- Walking / boat tour
- Panel discussions





Partnership and Knowledge Transfer with OPG



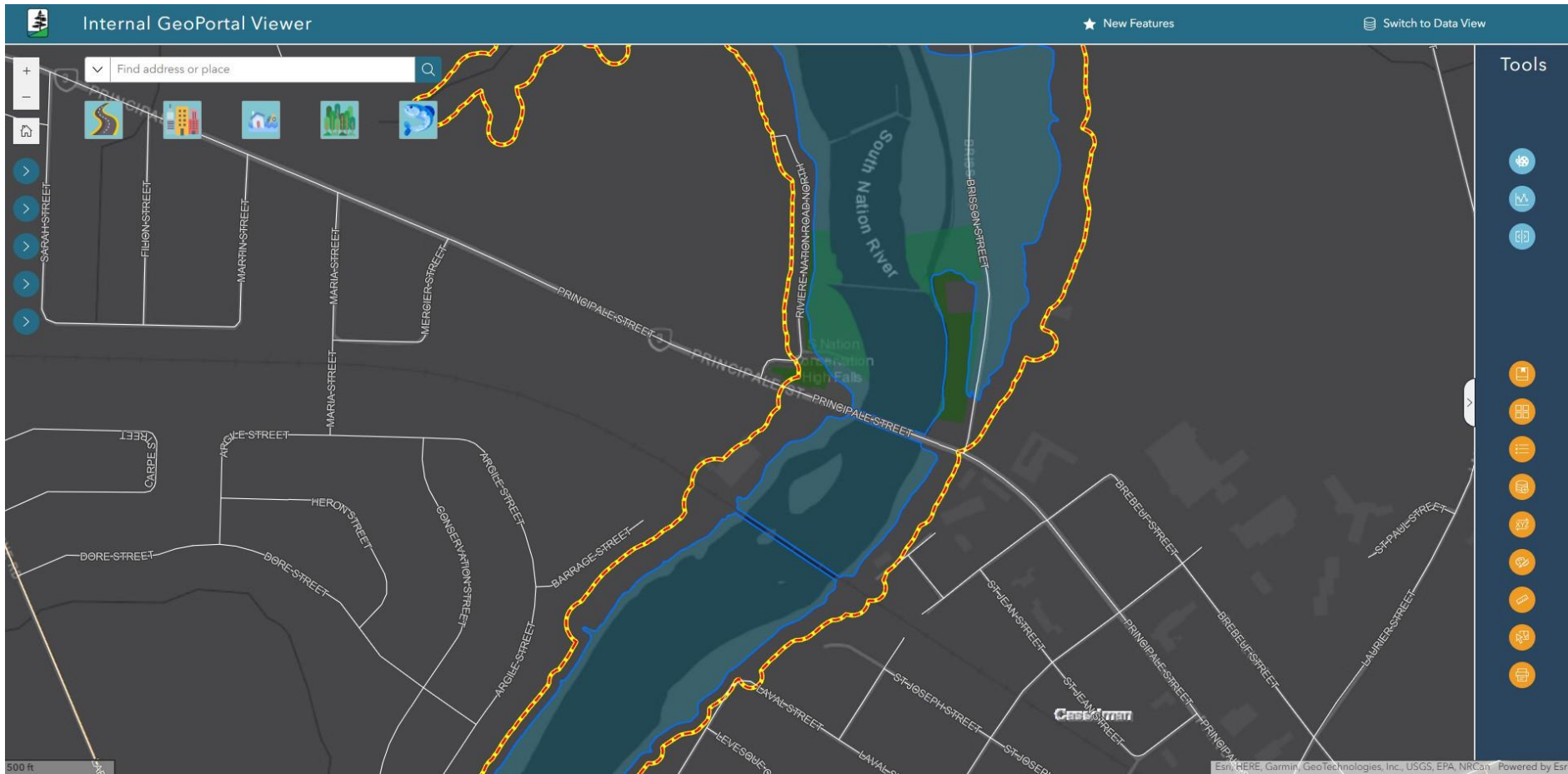
- OPG Drone Team's annual visit on August 10th
- Provide SNC with photos, videos, and orthophoto mosaics
- Opportunity to learn from an experienced drone team



Top photo: The Healing Place, Edwardsburgh Cardinal
Bottom photo: Oak Valley Pioneer Park, North Dundas



New Staff GeoPortal



- Upgraded Staff GeoPortal based on recent system improvements
- Enhanced user experience: Improved platform, design refresh, added functionality



Watershed Summer Projects Showcase



Erosion Protection in the Nation Municipality

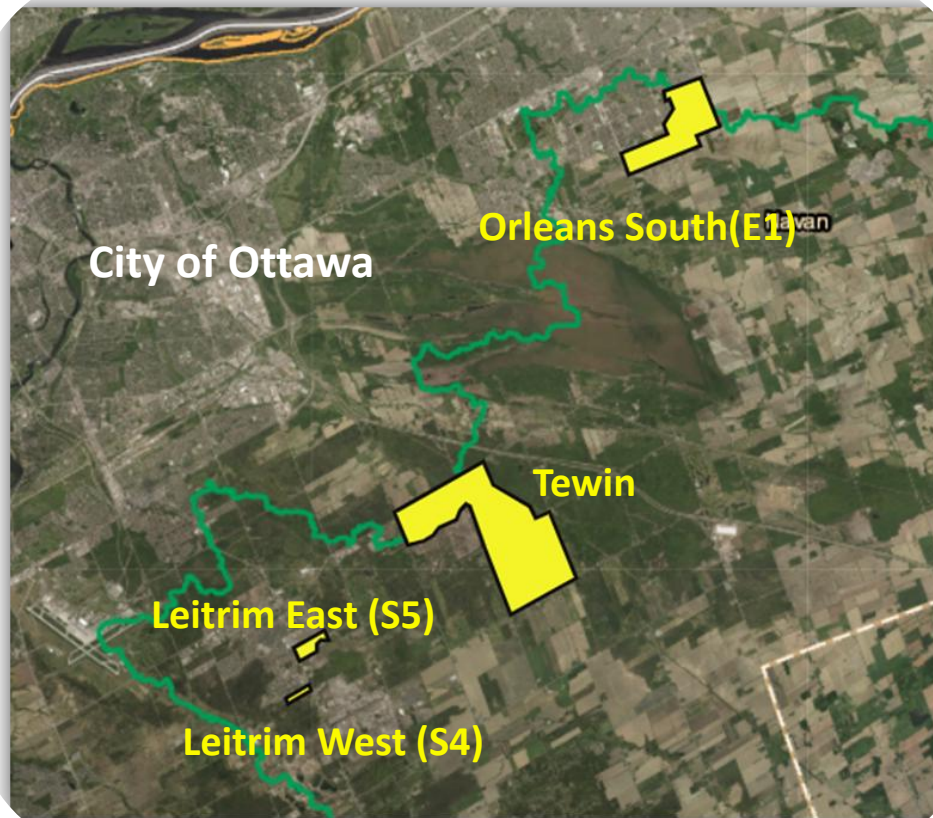


Second Flood Addition in Augusta Township

- *Conservation Authorities Act* permit compliance inspections take place during or post construction
- Landowners are always given reasonable notice and welcomed to be present



City of Ottawa Future Neighborhoods



Stage of Review

Leitrim West (S4)

- Master plans, technical studies, Secondary Plan policies, OPA

Leitrim East (S5)

- Pre-consultation

Tewin

- Master plans & technical studies

Orleans South (E1)

- Existing conditions studies



Invasive Species: European Water Chestnut



- Castor River, South Nation River, and new this year - Clarence Creek
- Removal work ongoing
 - Continuing to see improvements from years past



EWC removed from one day's work on the Castor River



Wetland Restoration – Charleville Creek



- Year 2 wetland construction to begin this fall
- Project is gaining attention and recognition

SNC 188 – Charleville Creek Wetland – 2026-08-07



Monitoring – Maintenance and Equipment Updates



- Repeated theft attempts at Mill Run Station
 - Station moved to a nearby SNC property
- New equipment installations ongoing
 - Replaced 4 precipitation gauges



Moving Mill Run Station to Charleville Property with New Rain Gauge



Monitoring – Watershed Conditions

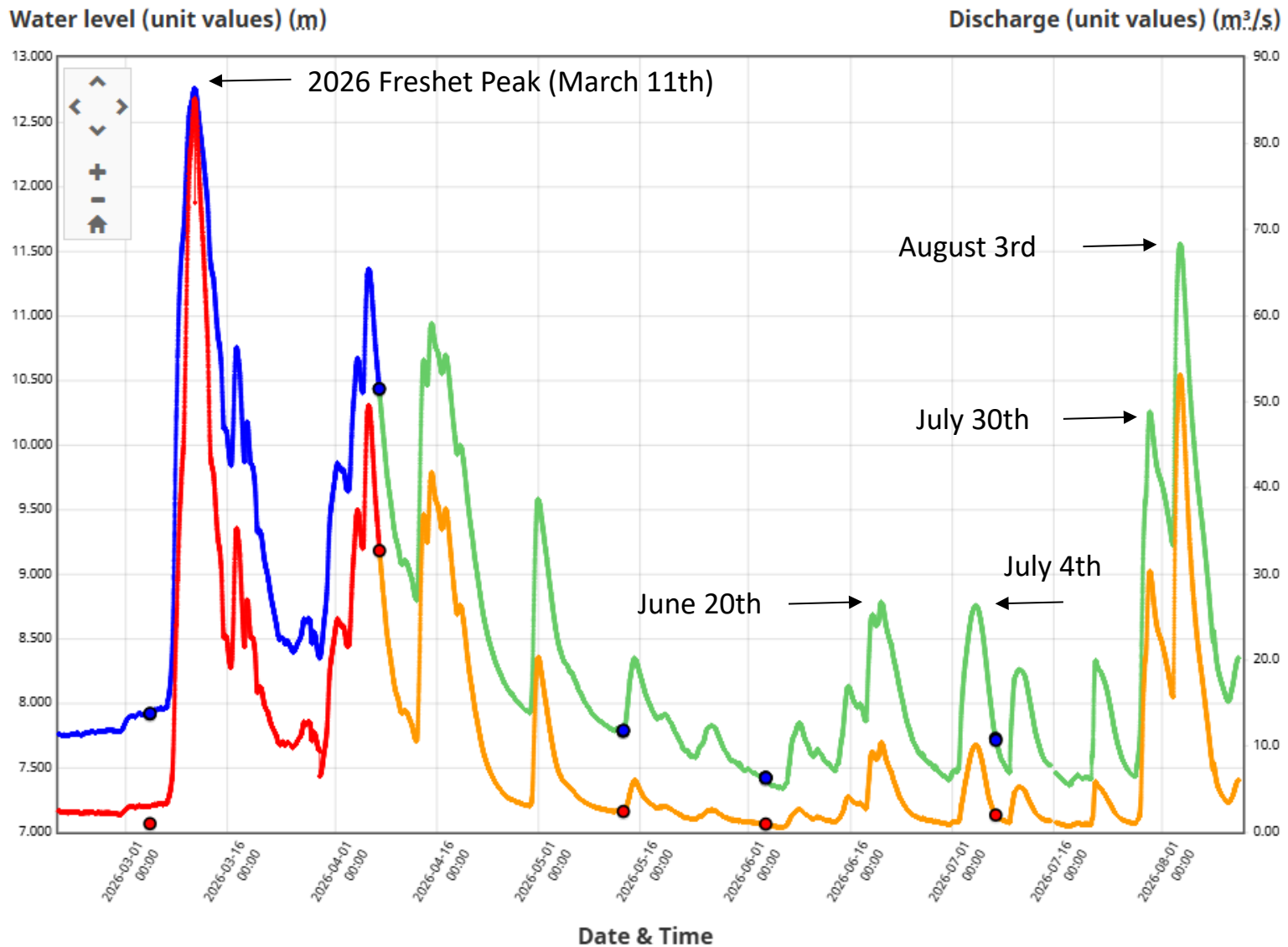
Percentage of Precipitation Received (as of August 6th)			
ECCC* Station	1-Month %	3-Month %	18 Month %
Ottawa	214.07	140.32	102.27
Kemptville	128.95	143.21	98.49
Brockville	147.29	136.44	93.01
Cornwall	131.2	122.58	98.13

**ECCC Station – Environment and Climate Change Canada*

- Above normal precipitation this summer
 - 281.8mm received in Ottawa in July 2026
- Water levels and flows are currently above the normal range for this time of year
 - 75th – 95th Percentile



Bear Brook Water Level and Discharge





Bear Brook Flood Surveillance



Bear Brook at Milton Rd



Bear Brook at Frank Kenny Rd

- Flooding observed along Bear Brook following significant rainfall from July 27-29
- Drone surveys captured flood conditions at two key locations in the City of Ottawa
 - Approx. 500 hectares flown to produce orthophoto mosaics



SNC Drone Crew



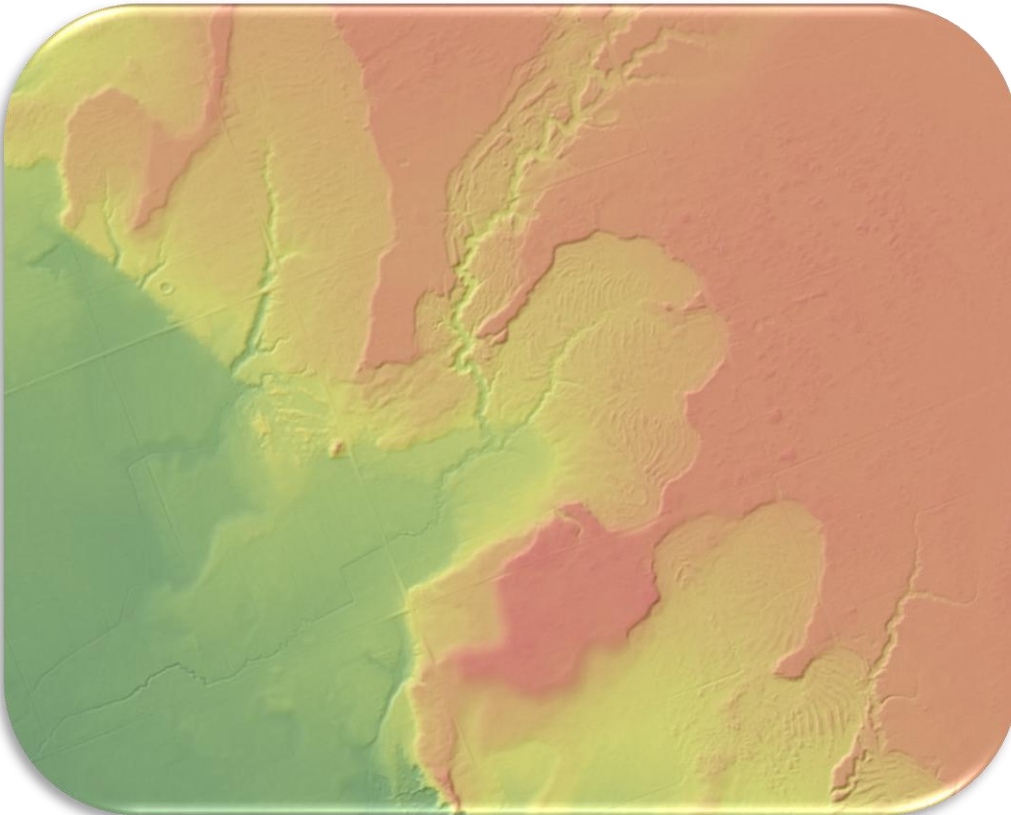
Funding Success – SNR Hazard Mapping



- Approved FHIMP funds for SNR Hazard Mapping Project: \$732,500
- 1.5-year partnership project with Ottawa, UCPR, and SDG
- New and updated flood and erosion mapping along the full South Nation River



Retrogressive Landslide Statistical Analysis & Setback Study



Examples of Large Landslides within SNC Jurisdiction Observed from LiDAR

- SLR Consulting analyzed past landslides within SNC jurisdiction and UCPR
- SLR developed statistical relationships based on SNC local landslide conditions
- That statistical analysis completed and reviewed by SNC
- **Next steps:** Use results to develop appropriate setbacks for SNC's jurisdiction and the applicable areas of UCPR



South Castor Hazard Mapping Update

REPORT & MODELS SUBMITTED

Flood hazard mapping report was sent to peer reviewers.

PEER REVIEW UNDERWAY

Comments are expected by August 15.

OPEN HOUSE

Public open house planned for November 11.

JUL 15

AUG 15

NOV 11



- Proposed small mixed-use building
- Site drains north toward the Rudolphe Brisson Municipal Drain
- Stormwater is proposed to be managed with enhanced grass swales
- SNC review focuses on flow control, drainage impacts, and erosion protection



Stormwater Management Facilities (SWMF) Inspection and Assessment



Morris Village Subdivision – St. Jean Street Stormwater Management Facility

Project Request

The City of Clarence-Rockland requested SNC to complete a SWMF inspection and assessment for the Morris Village Subdivision – St. Jean Street facility

Assessment Scope

Includes background review, field inspection, survey and elevation verification, sediment assessment, and final reporting



Casselman Dam Restoration Project – Phase 1



Casselman Dam – July 24th

Phase 1 - Sluiceway Repair

- Mobilization (July 6th)
- Cofferdam installation and sediment control (July 20th)
- Concrete removal and installation of new components
- Site restoration



Casselman Dam Restoration Project – Phase 1



Casselman Dam – July 31st

- July 22 and July 29 significant rain events
- July precipitation highest on record
- Water levels raised 40 cm above the weir
- Delayed in-water work and cofferdam installation

Our Local Environment, We're in it Together.



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