



SOUTH NATION
CONSERVATION
DE LA NATION SUD

Fish and Wildlife Committee Project Update

June 1st, 2021





SNC Summer Students



Hope Boyle Tree Planting
Stewardship Student

- Completing Honours BSc in Biomedical Science, with a minor in Environmental Studies from UOttawa
- Hoping to pursue a MSc in Environmental Sustainability
- Assisting on monitoring programs such as the South Bear Brook catchment study and monthly water quality sampling



SNC Summer Students



- Completed my Honours BSc in Biomedical Science at UOttawa
- Avid fisherman and wildlife enthusiast
- Working with SNC in partnership with Ontario Federation of Anglers and Hunters

Martin De Langy Fishing on Ottawa River
Invasive Species Summer Technician

SNC Tree Planting



SNC Staff Tree Planting
Navan

- SNC staff are happy to report that after a record sales year (220,000 trees), tree planting ended for the season on May 26th.
- Staff planted a whopping 48,750 over 23 days.



Vernal Pool Monitoring



SNC 156, vernal pool #2, Midland Painted Turtles.

- Measuring water depth in pools, and observations of usage by amphibians and wildlife.
- Monitoring from April until fall, reporting to Environment and Climate Change Canada.



Turtle Habitat Monitoring



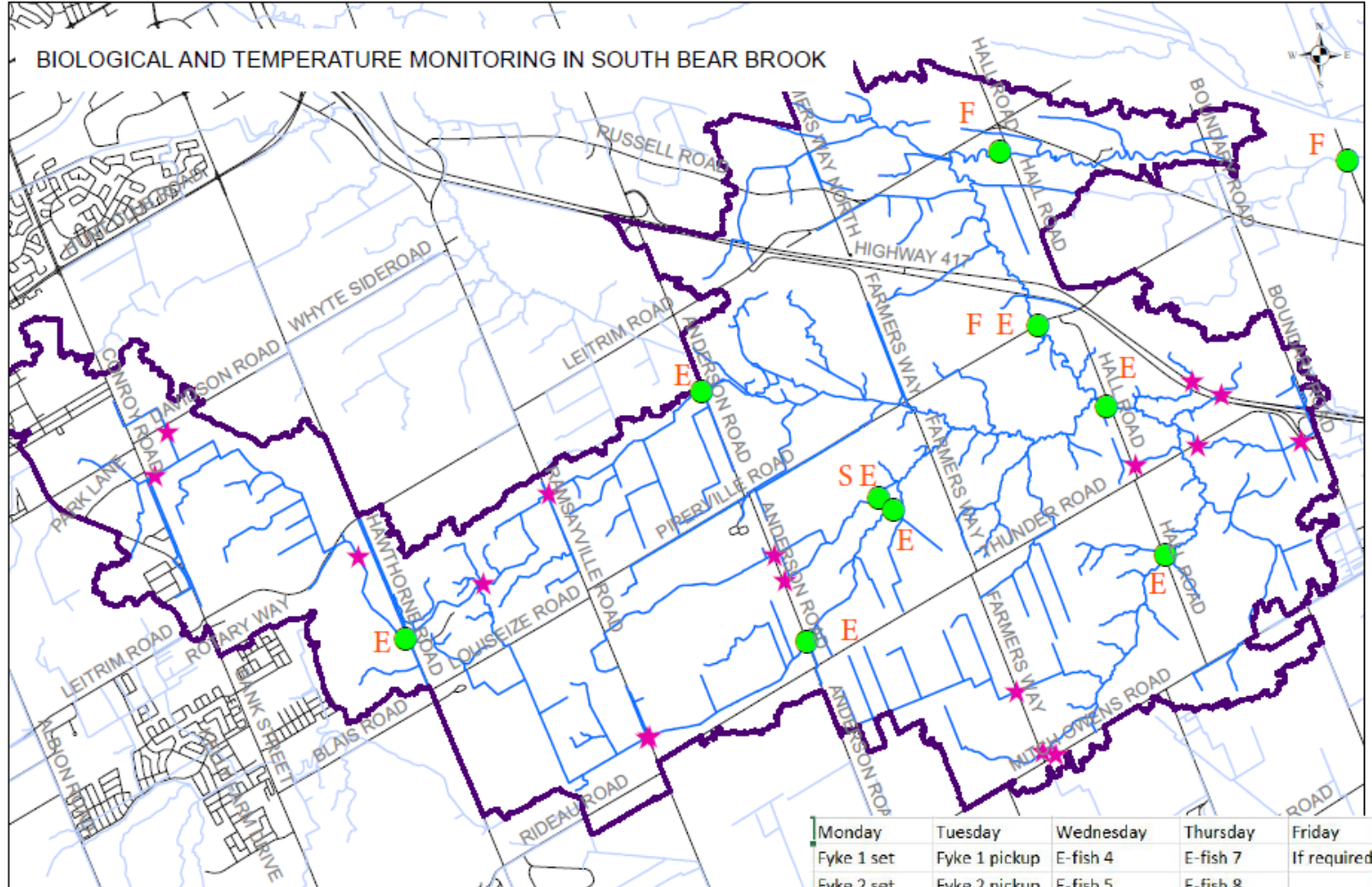
Turtle nest-County road #8 at Nash Creek



- Environment and Climate Change Canada Partnership
- ECCC is requesting SNC evaluate the status of the 8 nesting structures to better understand their effectiveness over time. SNC will monitor the projects for turtle nesting activity from May to June 2021.



South Bear Brook Catchment Study



E=Electrofishing F=Fyke Netting S=Seine Netting

● 2021 Biological/Temperature Monitoring ★ Additional 2021 Temperature Sampling

Monday	Tuesday	Wednesday	Thursday	Friday
Fyke 1 set	Fyke 1 pickup	E-fish 4	E-fish 7	If required
Fyke 2 set	Fyke 2 pickup	E-fish 5	E-fish 8	
E-fish 1	E-fish 3	E-fish 6	Seine 1	
E-fish 2				
8 x E-fish				
2 x Fyke				
1 x Seine				



J. Henry Tweed CA Erosion Control



J. Henry Tweed CA
Russell

- Ontario Power Generation Biodiversity Program Funding
- Shoreline stabilization at 3 locations along the creek
- Improve aquatic and riparian habitat, increase overall biodiversity



Invasive Species Control



Aerial View of Gamble Property
Greely, City of Ottawa

- Ontario Power Generation Biodiversity Program Funding
- Buckthorn control, Ash removal on two SNC forest properties
- Partnership with Agriculture and Agri-Food Canada



Supporting Sustainable Development



Lake View Marsh Provincially Significant Wetland
Long Sault, South Stormont

- SNC completing environmental studies for South Stormont
- Growing industrial park
- Consultation with Raisin Region Conservation Authority, Ministry of Environment, Conservation and Parks, and South Stormont



SNC Grasslands – Funding Secured



SNC 164 – The Healing Place
Shanly, Edwardsburgh Cardinal

- Funding received from Grasslands Ontario (division of Forests Ontario)
- Creation of a hay production and management plan
- Benefit species at risk grassland birds



Federal Legislation – Fisheries Act



South Nation River
Casselman, Ontario

- A Fisheries and Oceans Canada (DFO) Request for Review (RFR) is required for some projects near or in water
- SNC offers assistance to watershed residences for applications to Fisheries and Oceans Canada



Class 1 E-Fishing Trainers' Course



- Hosted by Credit Valley CA on May 11
- Trainers' course provides certification in backpack e-fishing, boat and punt e-fishing.
- SNC is now able to train and certify staff in house.



SNC was retained by MCA to provide services for a Flood Mitigation Strategy Development Project

- GIS Training Modules
- Data Search
- Flood Vulnerability Assessment Methodology



Understanding Flows



River Surveyor Unit on the South Nation River
Chesterville, Ontario

- Installed new equipment downstream of Chesterville Dam
- Updated rating curves in WISKi
- Tested accuracy using River Surveyor

Our Local Environment, We're in it Together.



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