



SOUTH NATION  
CONSERVATION  
DE LA NATION SUD

# Fish and Wildlife Committee Update

December 4th, 2018



[www.nation.on.ca](http://www.nation.on.ca)



# Leitrim Wetland Restoration



Viewing platform, Leitrim Wetland, Findlay Creek

- 6 dams installed to slow water flows through the wetland
- Buckthorn cleared from end of boardwalk
- 100 native trees planted to outcompete glossy buckthorn





# Leitrim Wetland Restoration



Viewing platform, before clearing



Viewing platform, After clearing





# Leitrim Wetland Restoration



Constructing a dam



Water levels are raised



# Findlay Creek Swale



New vegetation along Findlay Creek Swale

- 450 trees and shrubs planted along North-South Swale
- Trees will provide stream shading and natural nutrient inputs to stream into future





# Shield's Creek Naturalization – Project Completed



Property border planting, Shield's Creek,  
Greely

- 110 caliper sized trees planted to define property boundary
- 1600+ potted trees and shrubs planted
- 2+ acres of wildflower meadow sowed
- 6 erosion control projects
- 3 fish migration barriers removed
- Fencing installed to limit shoreline disturbances
- 2 cubic yards of boulders added for aquatic habitat
- 12 bird nesting boxes installed
- 30+ volunteers engaged
- Presentation to Greely Community Association



# Chesterville Shoreline Planting



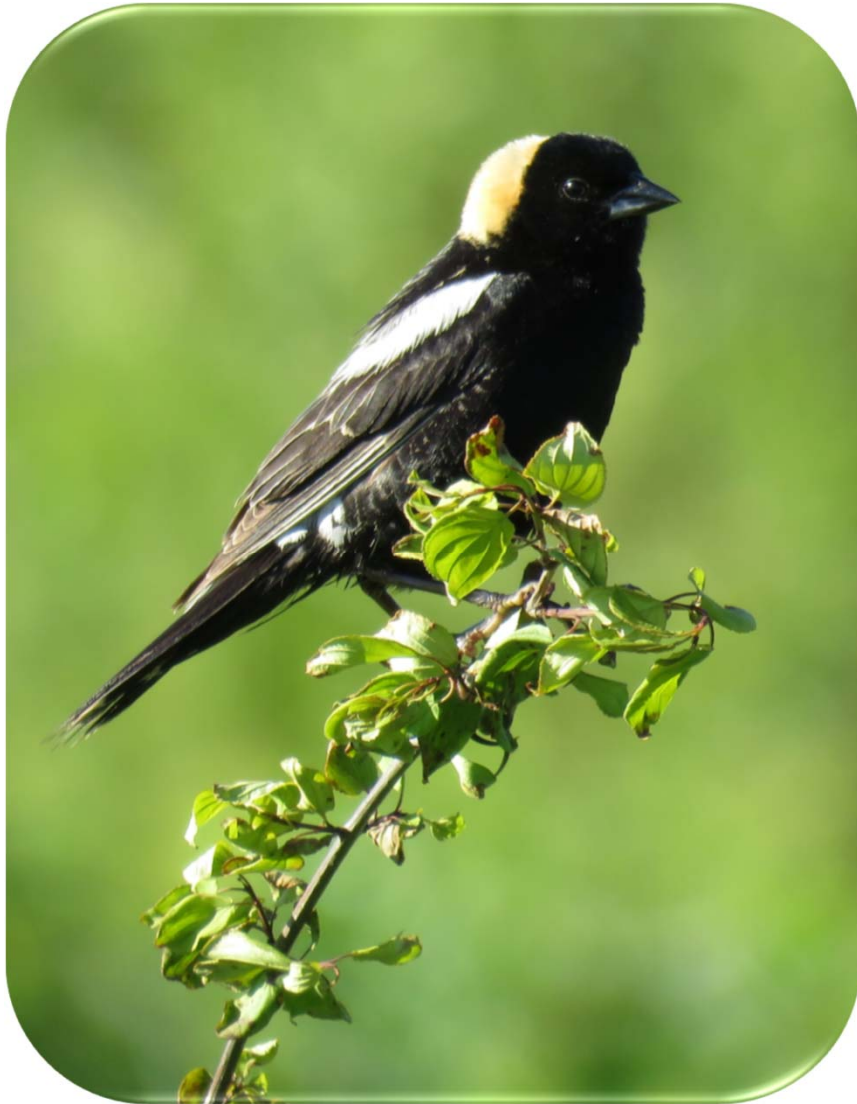
Banks of South Nation River, Chesterville

- North Dundas Township controlled wild parsnip on banks of river
- Funding provided to SNC to plant species to outcompete regrowth of wild parsnip





# SARBEX Grasslands



Eastern Bobolink

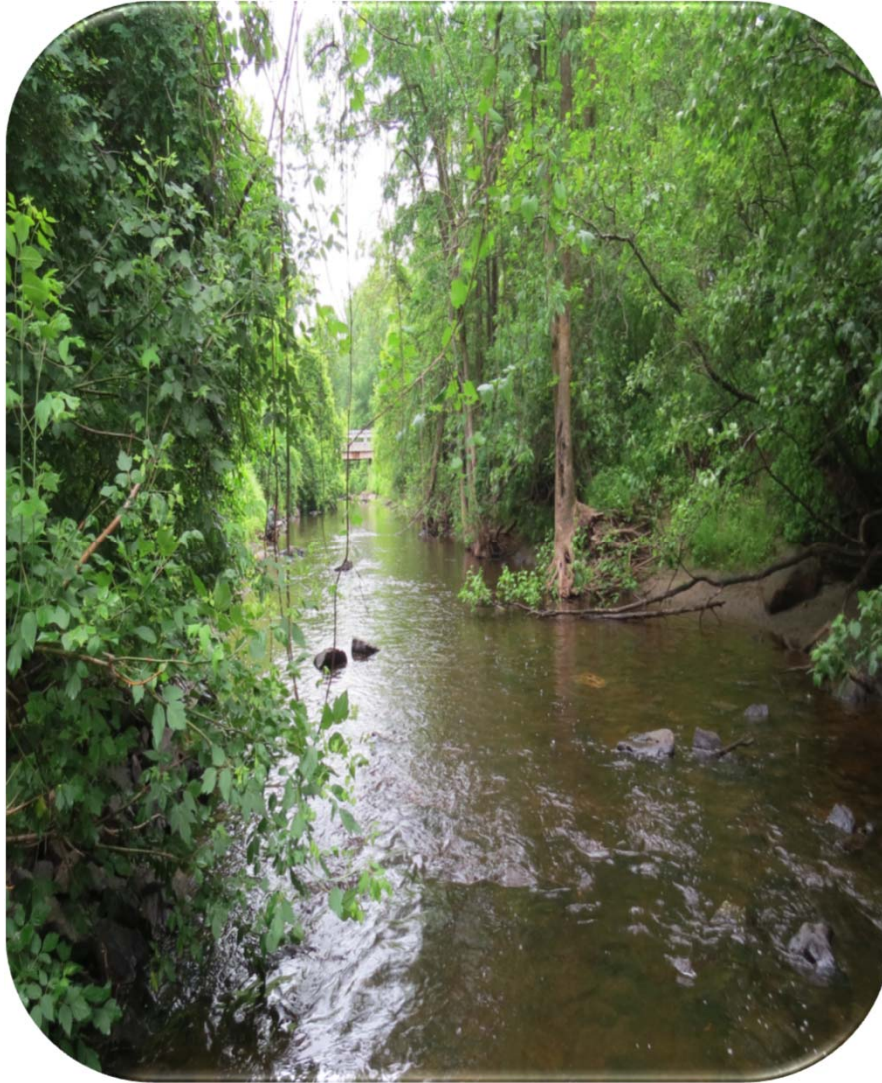


SNC 114





# Ontario Stream Assessment Protocol (OSAP)



North Branch on SNR

- 10 streams assessments completed with 1126 fish collected from 18 different species, across the Upper South Nation Watershed, Shields Creek and Findlay Creek Subwatersheds



Banded Killifish



# Thermal Data

- 36 water temperature loggers deployed in the Shields Creek and Findlay Creek subwatershed as well as the headwaters of the South Nation Watershed.



Tributary of SNR-Byers Road







# Stream Watch



Findlay Creek

- Completed 5.6 km of stream assessments in Shield's Creek and Findlay Creek
- 11 volunteers (61 hours) engaged to undertake stream monitoring and assessment work in Findlay creek and Shields creek sub watersheds





# Educating our Youth

## Eco Day – Robert Graham CA - October 17th



Seaway High School  
Robert Graham Conservation Area





## Great Lakes Guardian Community Fund – Robert Graham CA



Buckthorn Removal



Understory Planting



# Educating our Youth

## Eco Day – Andy Shield's Park – October 30th



Hillcrest High School  
Shields Creek

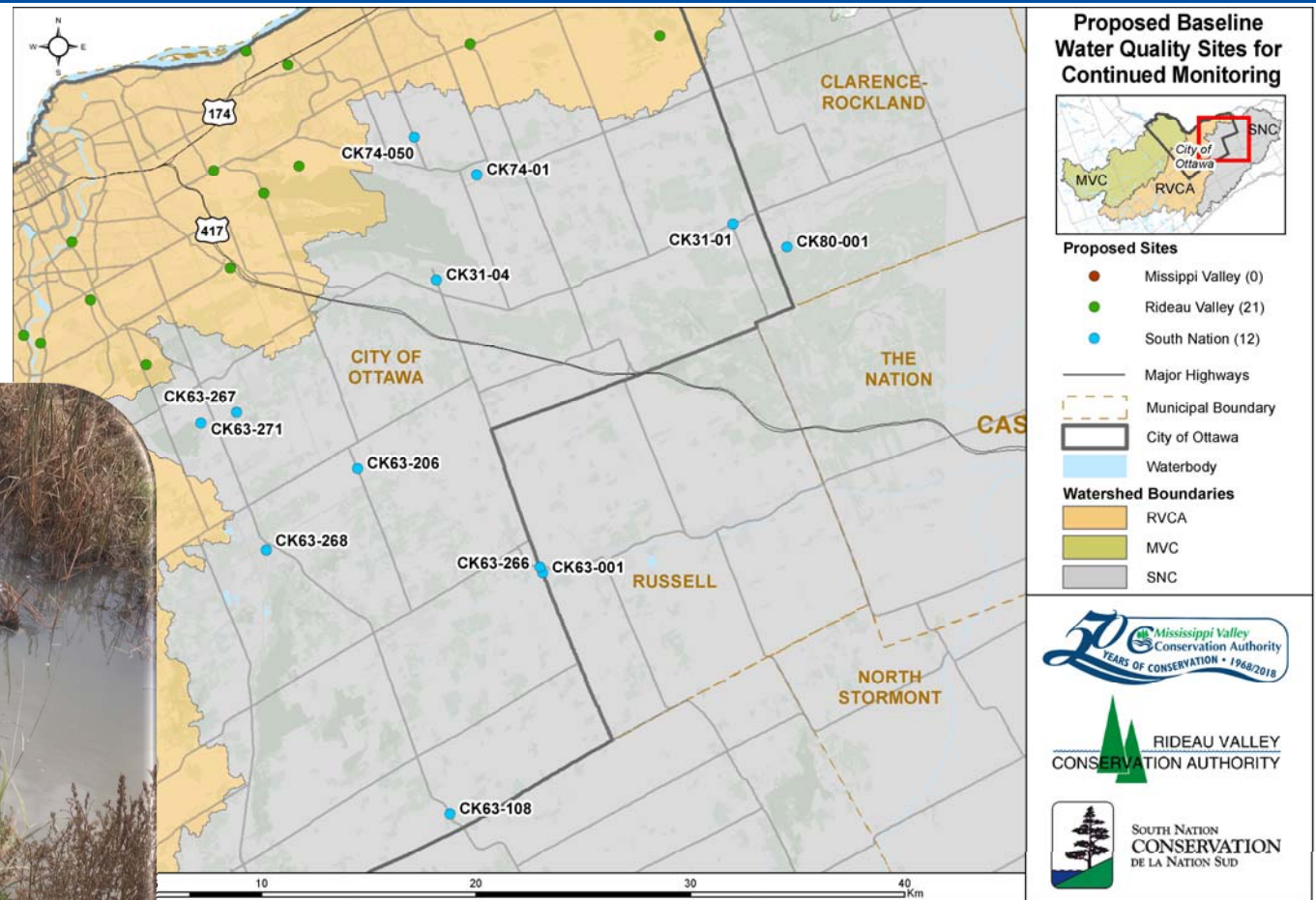




# City of Ottawa Baseline Water Quality Program



Surface Water Quality Sampling,  
McKinnon's Creek







# North Castor River Catchment Study



Baseflow Sampling, Findlay Creek



Electrofishing, North Castor River





# Science Based Data



Buckthorn Removal

Groundwater sampling  
High Falls CA



Benthos sampling  
Findlay Creek





Sweetflag, *Acorus calamus*,  
along edge of wetland

- After completion of wind-throw creations, native trees, shrubs and plants were planted in the project area;
- Impacts of drought will be assessed in spring of 2019.





Phragmites australis patch in Larose Forest Biodiversity project site, April 2018.

- Spring of 2019, monitoring of drains and pits for amphibians, plant survival and emergence, and replacing dead plants
- Invasive Alien Species management: Phragmites and Buckthorn targeted herbicide application



## Education & Outreach



Hallie Cutler and Corinne Anderson in Larose Forest, November 14th, 2018

- SNC hosted two students from Tagwi Secondary School for Take Our Kids to School Day
- Completed the native grass seed dispersal at Larose Forest in the OPG Biodiversity Project site





# GLGCF Cobb's Lake and Clarence Creeks



Scouts Clarence-Rockland help plant trees at Guy Desjardins' farm

- Community Outreach garnered lots of interest in shoreline tree planting
- Native trees and shrubs were planted along shoreline and mats put down to help suppress competition with the help of local scouts and volunteers



# Western Chorus Frog Habitat Creation



Vernal pool at Bob Graham Conservation Area

- Funding from Environment and Climate Change Canada
- Create 10 vernal pools on 2 SNC properties
- Monitoring May – October 2019



Our Local Environment, We're in it Together.



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