



SOUTH NATION  
**CONSERVATION**  
DE LA NATION SUD

# Fish and Wildlife Committee

## Project Update

September 1<sup>st</sup>, 2020





# Supporting Municipal Planning



Water Quality Sensor Deployment

- Deployment of 2 long-term sensors for water quality information
- Data to be analyzed as part of the South Bear Brook Catchment Study for the City of Ottawa
- Study provides information on current conditions and recommendations for improvement



# Headwater Drainage Features



- South Bear Brook Catchment Study
- Support Subwatershed Studies and development reviews within the City of Ottawa

Tributary of South Bear Brook  
City of Ottawa





# Western Chorus Frog Habitat Project



Gauge installed at pond east of Bouvier Road  
SNC compartment #45, Bourget

- Seasonal pools for endangered Western Chorus Frogs (vernal pools)
- Funded by Environment and Climate Change Canada
- Water level monitoring on hold due to COVID-19 restrictions, all federal contracts affected



# Velema Property Inventory

- Vegetation and bird survey of SNC's newest property acquisition
- 37 bird species, 2 Special Concern under the Endangered Species Act
- Vernal pools evident throughout property



Canada Violet  
Moose Creek



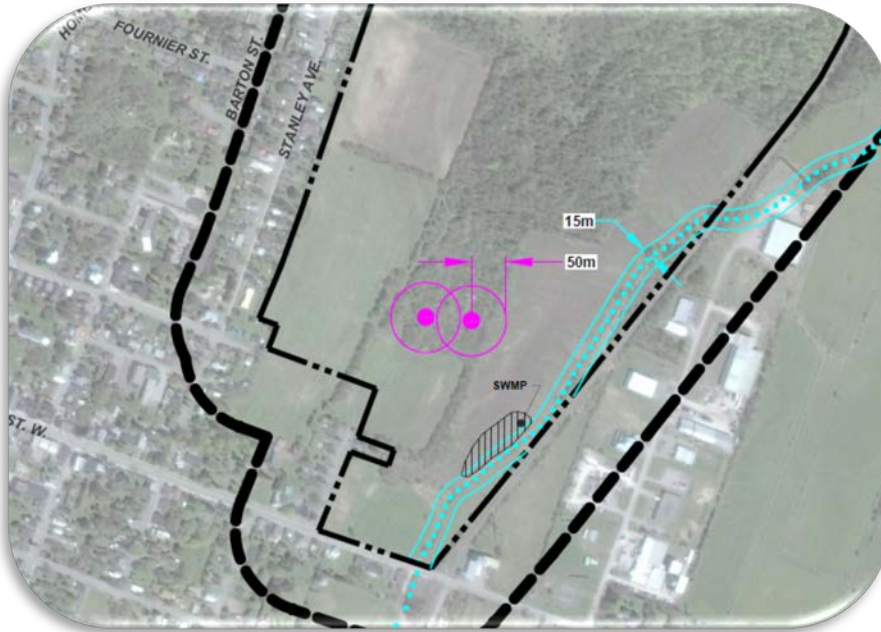


Male and Female Bobolink

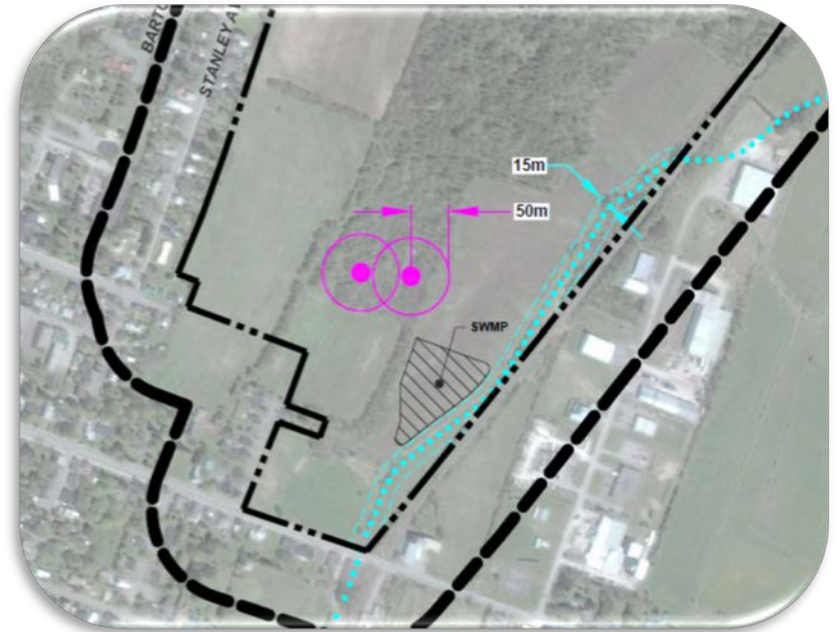
- Grassland bird monitoring at SNC 97 (Berwick), SNC 114 (Chesterville) and Upper Canada Migratory Bird Sanctuary (Ingleside)
- 62 total bird species between the three properties since 2016
- Bobolink consistently encountered



# Sustainable Development



Before Review



After Review and SNC Comments

- SNC plays a large role in the review of technical environmental reports for our municipalities
- Some reports are straightforward, some complex, but all help to guide sustainable development in SNC's jurisdiction



# Improving Flood Forecasting

Ottawa River 2017 Flood Clarence Rockland Properties Affected



New flood risk mapping identifies vulnerable properties for municipal emergency response





# Flood Forecasting and Warning Program

## Flood Forecasting and Warning & Low Water Response



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### What We Do



Provide municipalities with advanced notice of flooding and low water conditions



Model and predict flood events



Operate and maintain dams and other water control structures



Monitor stream flow



Track radar information



Conduct snow and ice surveys

### Lower Ottawa River

- Spring Freshet Ended – water levels are within normal range

### South Nation Watershed

- No Statement in effect – water levels are within normal range

### St. Lawrence River

- Flood Watch in effect – Lake Ontario on track to peak well below 2017 and 2019 record highs



# Tree Planting



SNC Staff Planting  
Private Land



Contractor Planting  
Larose Forest





# Community Free Tree Pick-ups and Deliveries



2019 Free Tree Recipient!

## Revised Spring Free Tree Pick Ups

- Over 150 households per municipality selected to receive bundles of free tree seedlings
- Coordinated approach with participating municipalities enabled direct delivery in some areas, and curbside pick ups in others





# Seasonal Conservation Areas Now Open



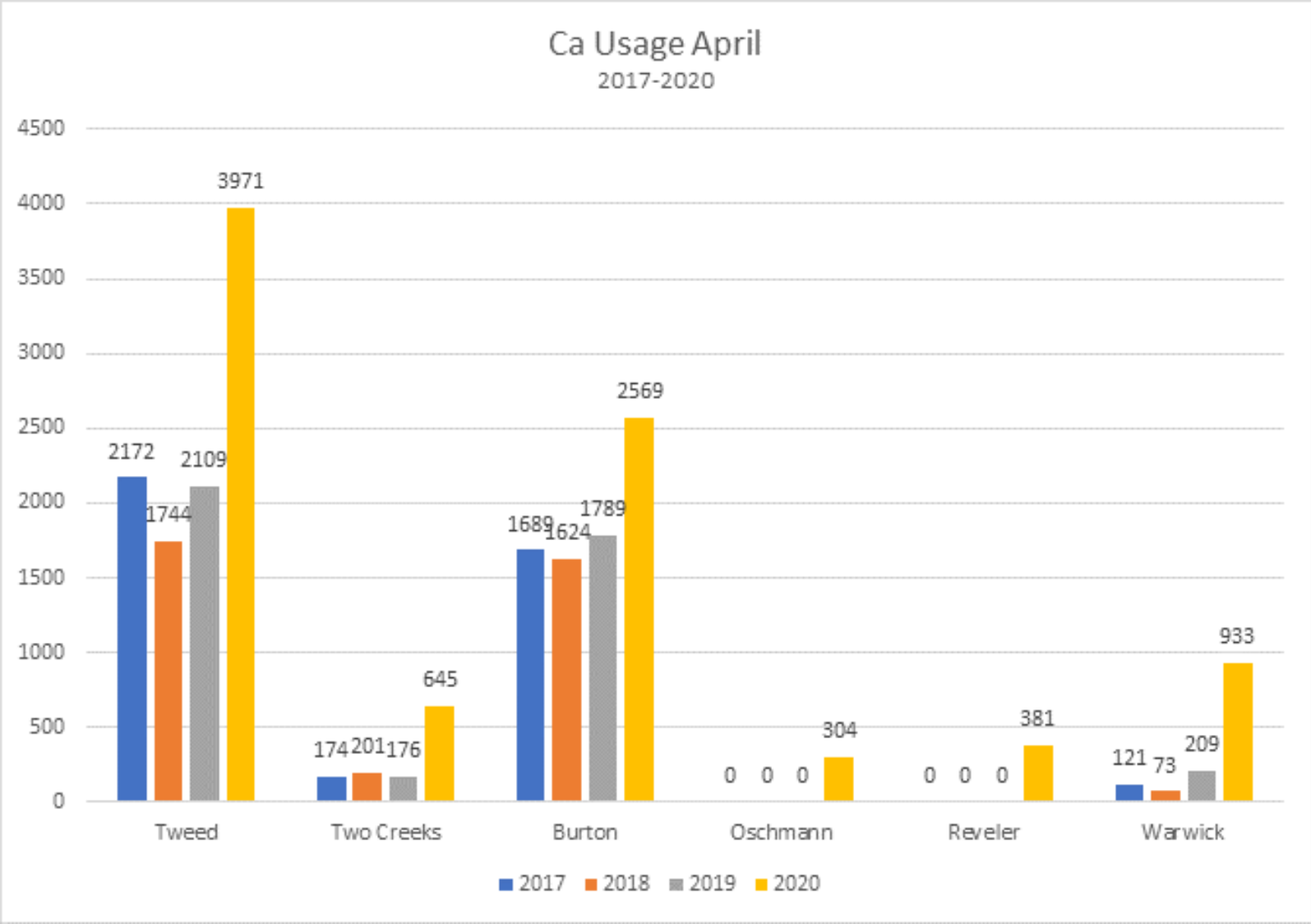
**Conservation Areas with river access opened beginning May 16<sup>th</sup>**

- All docks now installed
- Staff continue to inspect weekly, maintain trail systems and plan for summer/fall projects





# Conservation Areas Use: April Stats





# New SNC Property in Augusta



Aerial view of new SNC Property on McCrae Road in Augusta Township

- \$31,500 in Federal funding received to create a Conservation Area
- First SNC property in Augusta, access to South Nation River
- 9.1 acres transferred from Augusta Township to SNC



Our Local Environment, We're in it Together.



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