

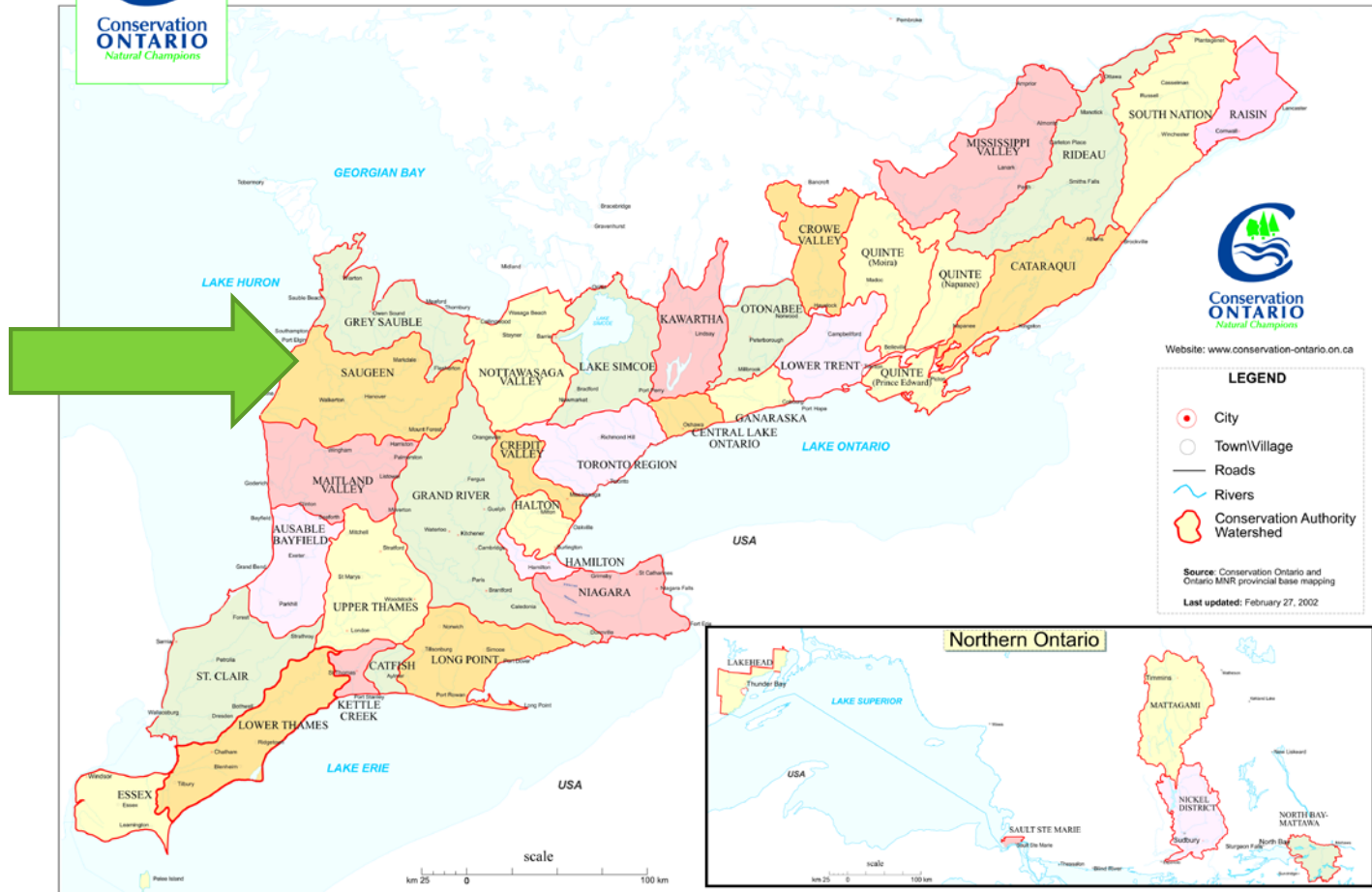


What we do!

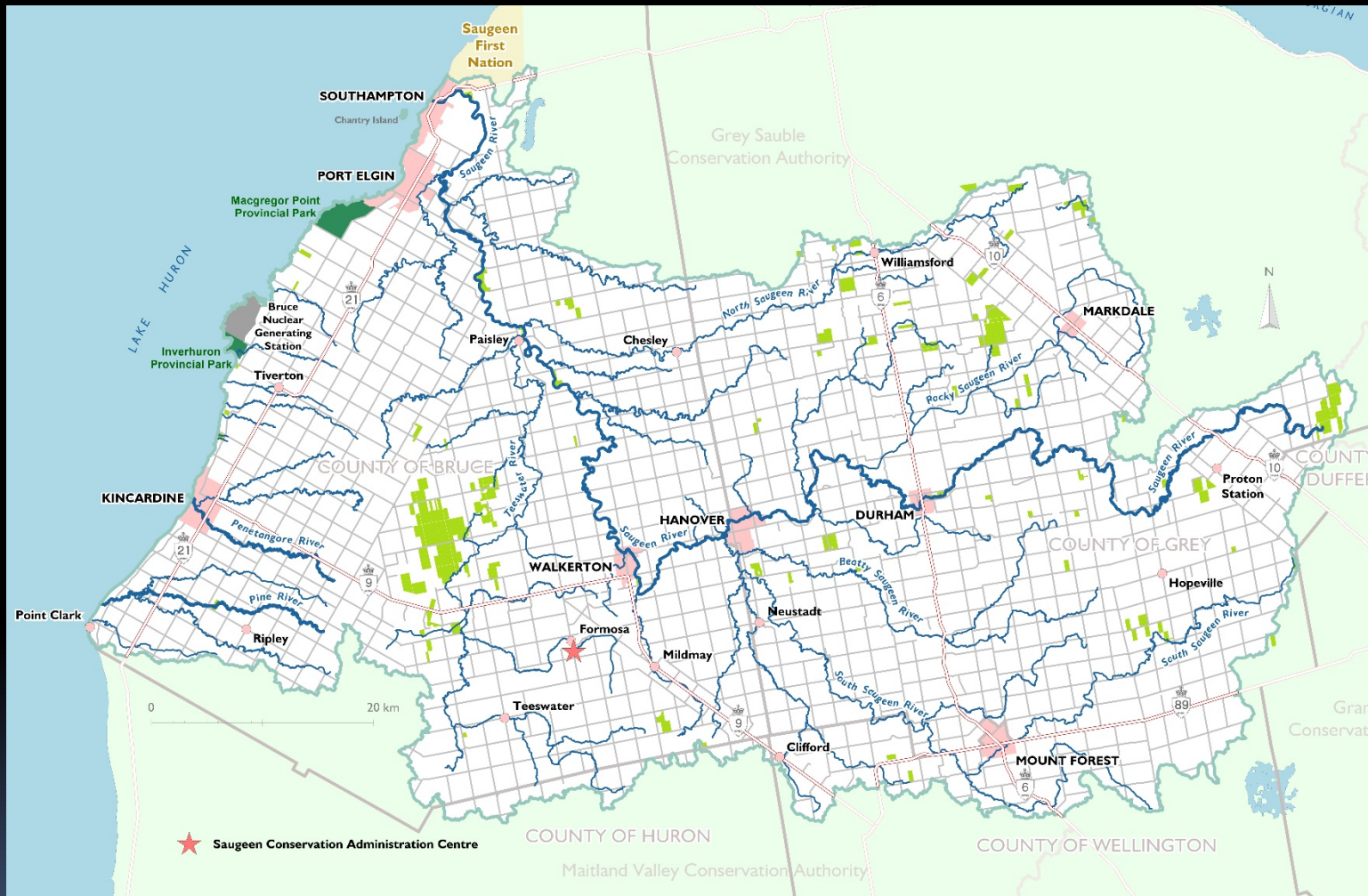
The Provincial Perspective



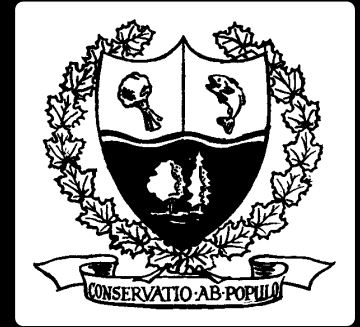
CONSERVATION AUTHORITIES OF ONTARIO



The Watershed



The watershed jurisdiction is 1,800 sq miles or 4,765 sq km



Conservation Authorities – Why Were they Established ?
- two major reasons -

1



2



In this watershed alone (between 1837 – 1951), there were 36 recorded floods (losses /damages?)



Some interesting facts..

- Nov. 1949, 32 municipalities agree to form Authority
- March 1950 – 1st Meeting
- SVCA is the 13th CA established in ON
- 1952 – motion for flood control in Walkerton – first major capital project.



Walkerton, 1948



Walkerton, 1950's



Hurricane Hazel

October, 1954



Damage Estimate: \$20,000,000

Lives Lost: 81



*A Core Mandate for all Conservation Authorities
Across Ontario*

*The prevention of loss of life , property
damage and social disruption due to
flooding and erosion processes.*



1) *Capital Projects* – helping to fix an existing flood problem

2) *Flood Warning* – keeping watershed residents aware of flood issues

3) *Environmental Planning and Regulations*

With respect to development –
‘Keeping people away from the rivers and the rivers away from the people.’,
to prevent them from flooding



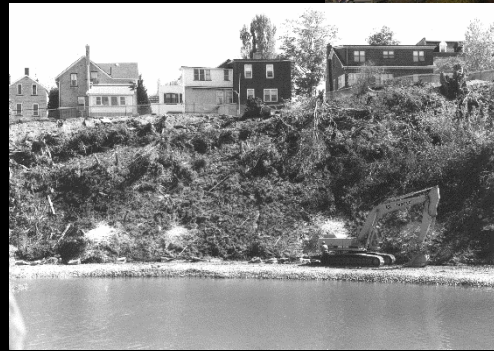


1) Capital Works (Water Management)

*Correcting an existing
problem*

Protecting life and
property.





TODAY - A total of **19** Flood & Erosion Control Structures across the watershed costing a total of **\$13,343,445** - to protect **1,119** buildings, homes and businesses and approximately **4,500** people.

Annual cost of maintenance - approx. **\$130,000 / year**

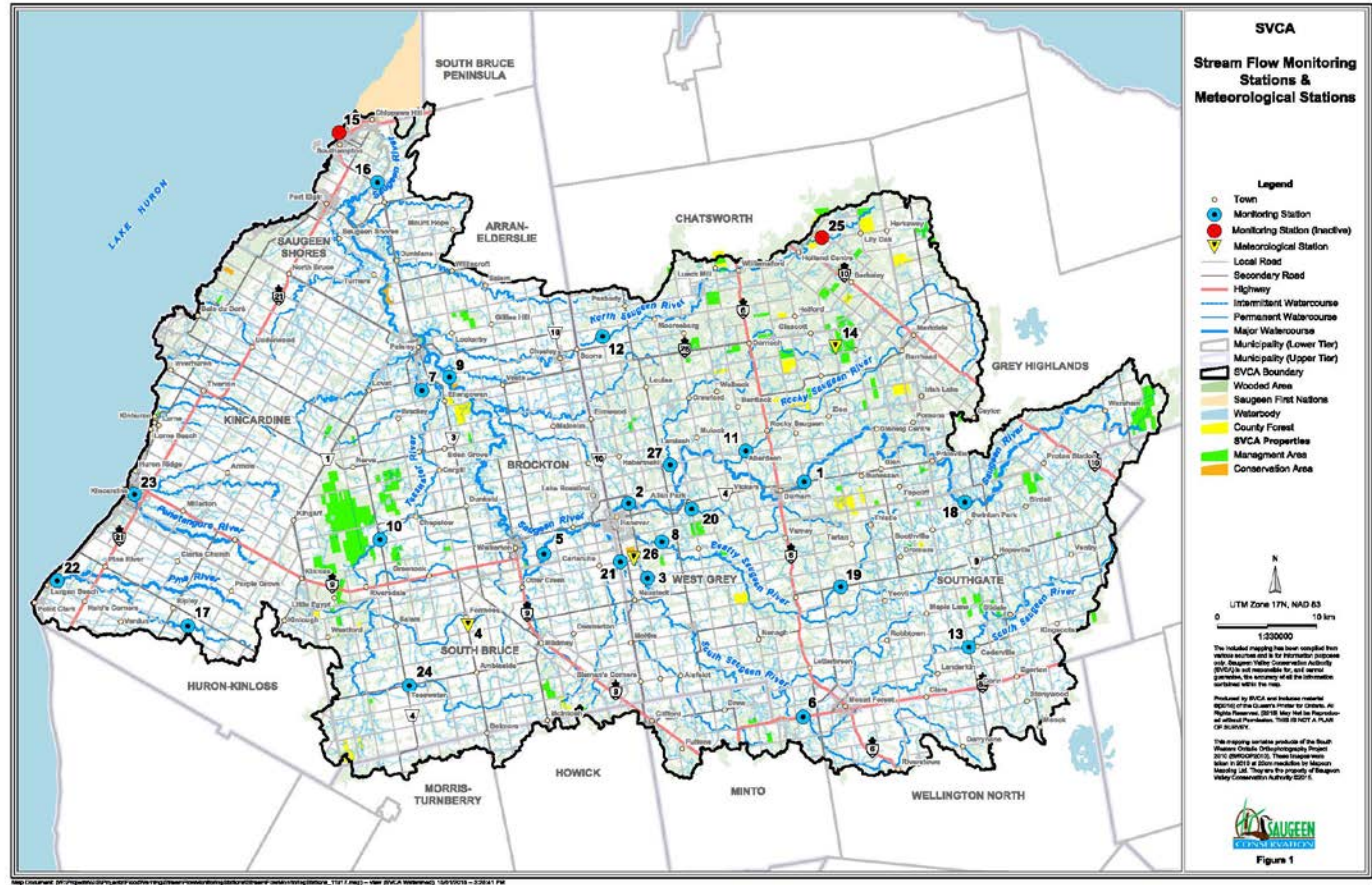


Watershed Condition Statement Flood Outlook



Click for Message

2) Flood Warning
A total of 27 automated gauges, measuring various parameters.





3) Environmental Planning *Is 'Wise' Planning*



Protecting Lives *and* Property

*..”Keeping the People Away from
the Water and the Water Away
from the People”*

Grassroots Conservation Efforts





Tree Planting / Management

Planting for the Future!

- * **80,000** trees planted in 2018
- 6,671 trees sold at the Arbour Day Tree Sale
- 19 MFTIP programs completed and/or updated





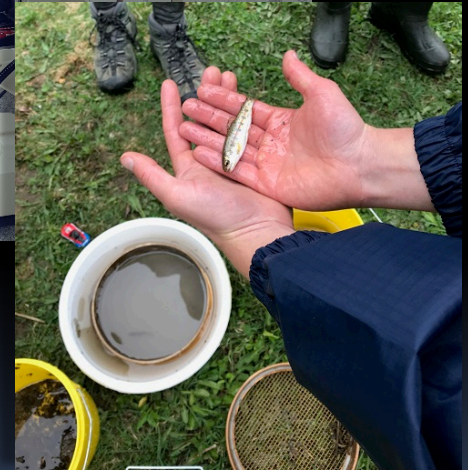
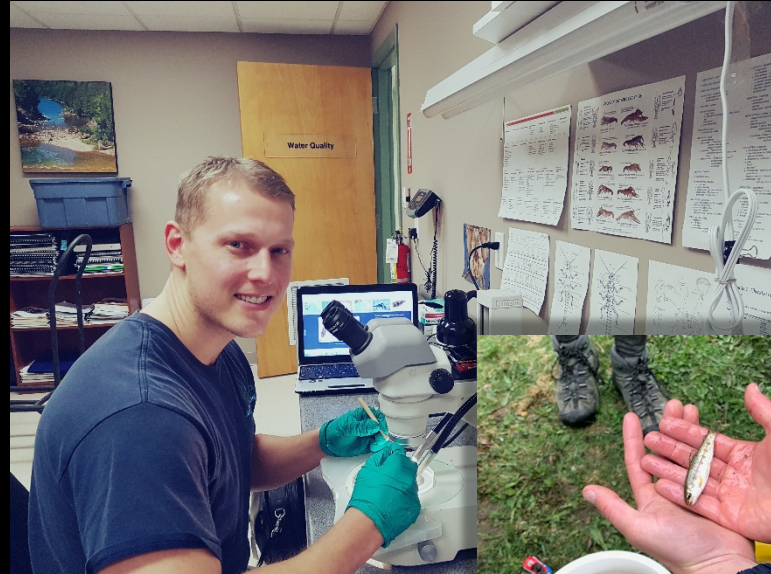
Stewardship Services





Water Quality

- Over 200 samples taken at 29 river / stream locations
- 23 groundwater samples
- Regular monitoring of aquatic organisms





Agricultural Programs

- Coffee, Crops and Donuts – *approximately 300 participants*
- Soil and Water Passport Program
- Soil Health and Infiltration Projects
- Public Outreach





Conservation Education

Saugeen Conservation has an extensive conservation education program

- Close to 90 different curriculum-based programs
- A total of 11,700 kids taught over 2018
- Forest and Water Festival, Youth Expo, Earth Week Program, Day Camps and more!





Communications / Outreach and the Saugeen Foundation

Keeping the Lines of
Communications Open

Involved with:

- Local shows, fairs and festivals
- Social media
- Tours and new developments
- Written materials / Publications
- Website
- Events and Functions





Conservation Areas / Recreational Opportunities





Conservation Areas / Recreational Opportunities

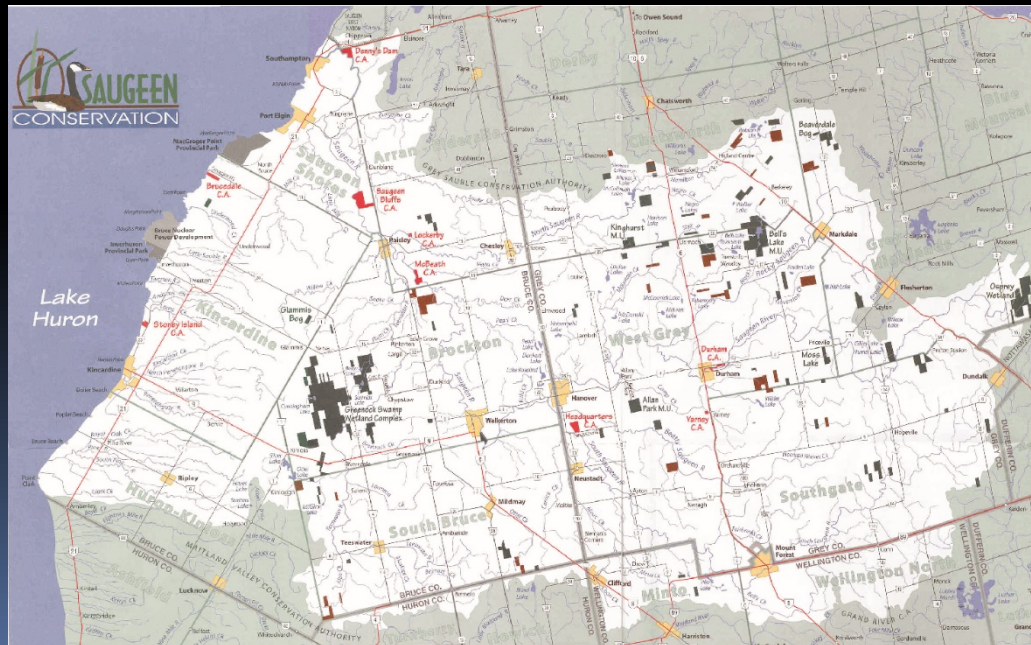
Saugeen Bluffs Conservation Area





Local Info DID YOU KNOW?

Municipality of Kincardine (Penetangore River Watershed), became a member of SVCA in 1971





Penetangore River Watershed

Your Watershed!

- 185 sq km in size
- 29 km in length
- Falls a total of 112 metres from the headwaters to Lake Huron
- Penetangore empties 5.2 bathtubs full of water into Lake Huron / second (mean)
- Close to 6 million dollars completed in Capital Projects





Local Info *CAPITAL WORKS*

Capital Projects – Kincardine Town

- Kincardine Retaining Wall – 1971 – 1974
- Campbell Property Project – 1977
- Penetangore River Diversion – 1979
- Kincardine District High School
Streambank Improvement – 1983
- Riggins Erosion Control Project – 1986
- Penetangore Slope Stability and Erosion
Control Project – 1994 - 1995





Capital Projects – previously referred to as Kincardine Twp

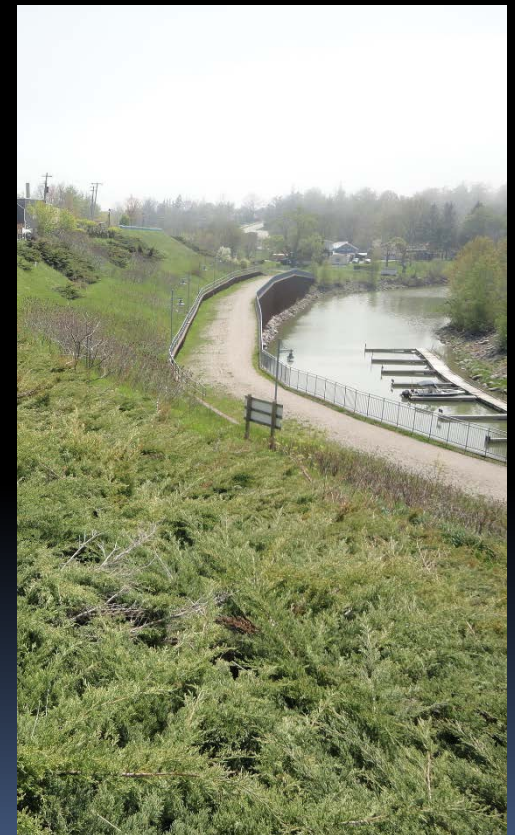
- Township of Kincardine
Erosion Control Project –
1982
- Inverhuron Flood Control
Project – 1987 – 90





Kincardine Slope Stability and Erosion Control Project

- Total Cost - \$4.3 million dollars
- Protect 23 businesses and 4 dwellings
- Length of wall – 288 metres
- Number of piles – 1,128
- Total length of piles – 11,957 metres
- Granular fill – 90,000 tons











Questions?

