

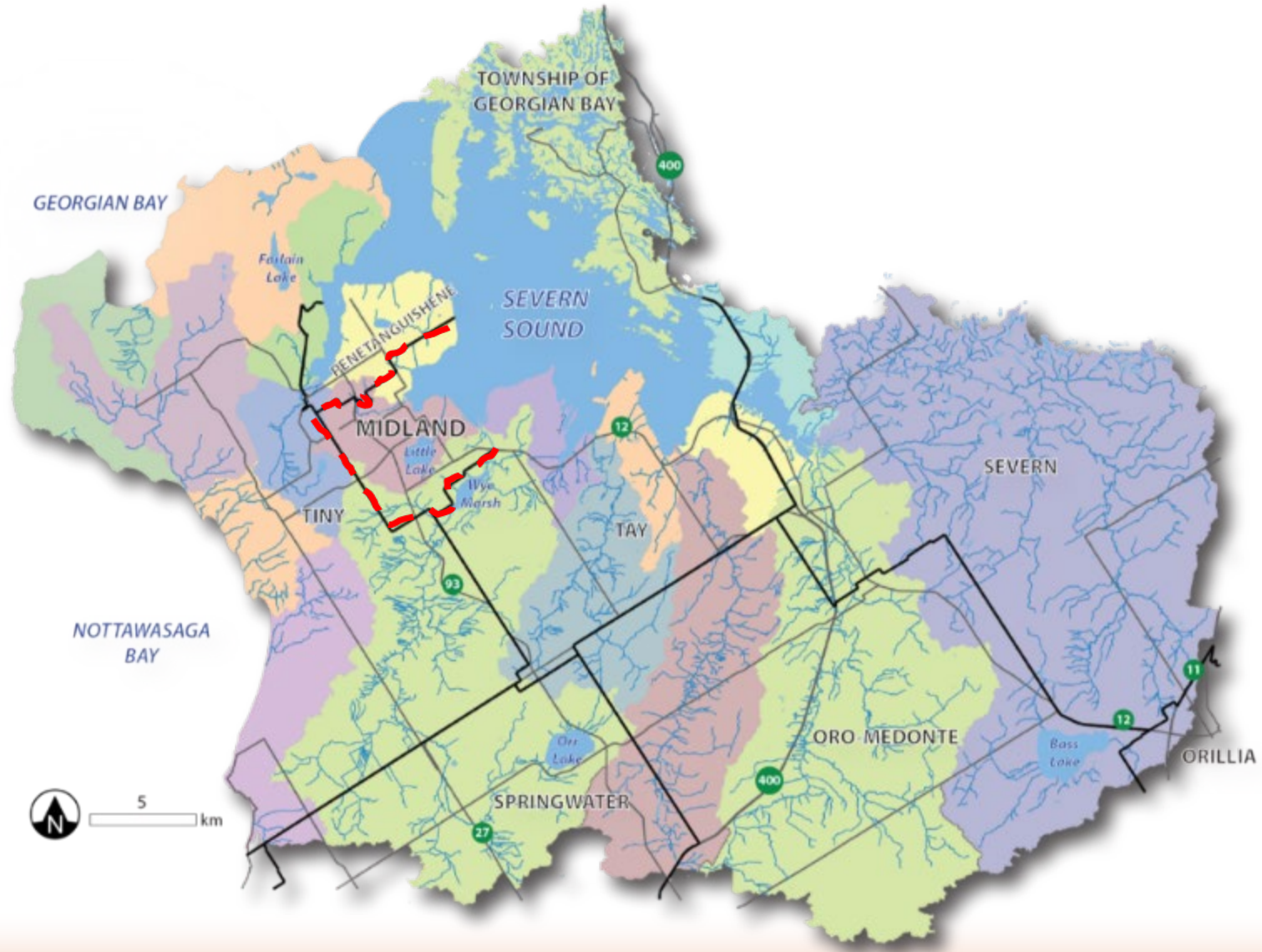


# Severn Sound Environmental Association

Town of Midland  
Budget Deputation 2023  
Julie Cayley, Executive Director



# The Severn Sound Watershed



# What is the Severn Sound Environmental Association?

- 1987 - Severn Sound identified as Great Lakes Area of Concern (AOC)
- 1997 - SSEA founded
- 2003 - Severn Sound delisted as AOC
- 2009 - SSEA Joint Municipal Service Board established (*Municipal Act s.202*)
  - ED reports to Board representing 8 Municipal members
- Source Protection Authority (Ont. *Clean Water Act*, 2006)



**At Severn Sound Environmental Association,  
we are committed to ensuring exceptional environmental quality  
and exemplary stewardship of the Severn Sound area through  
sound science, collaboration and partnerships.**



# The SSEA Team



**Julie Cayley Executive Director**

B.Sc.; Trent U., AALP Class 8, P. Ag.



**Judy Limoges Treasurer [PT]**

CPA, CMA, Business Administration; Ryerson Polytechnical Institute



**Michelle Hudolin Wetlands & Habitat Biologist**

B.Sc.Env.; U of Guelph, Certified Water Guide, Wetland Evaluator, Trained in ELC, Wetland Restoration



**Aisha Chiandet Water Scientist/Limnologist**

M.Sc. (Watershed Ecosystems) ,Trent U.; B.Env.Sc., U. of Guelph



**vacant Invasive Species Program Coordinator**



**Nikki Priestman Watershed Health Specialist**

B.A.Sc. Hons MA. Env. Sustainability, Lakehead U; Env. Tech. Adv. Dip., Georgian College



**Nicole Stott Drinking Water Source Protection Assistant**

B.A.Sc. Env. Sustainability, Lakehead U; Env. Tech., Georgian College, MECP RMO/RMI Training



**Lex McPhail IT/GIS Manager**

Terrain/Water Res. Tech., GIS App. Specialist; Fleming College



**Paula Madill Ecosystem Health Technologist**

Env. Biol. Tech.; Canadore College



**Melissa Carruthers Risk Management Official/ Inspector**

Env. Tech.; Niagara College, MOECC RMO/RMI Training



**Cliff Evanitski Office Manager**

B.A.; U. of Guelph  
Diploma (Broadcast Journalism); Fanshawe College



**Cameron Epp Watershed Resilience Coordinator**

Env. Technology; Fleming College



**Travis van Engelen Tree Plant Program Specialist**

B.A.Sc. Hons Env. Sustainability, Lakehead U



Seasonal staff, Contracts, Internships, Co-op students

**Vacant Positions:** *Watershed Monitoring Lead, Sustainability & Climate Action Coord.*



# 2022 Key Highlights

- Drinking Water Source Protection
  - Source Protection Authority
  - Risk Management Official Services
- Water Quality (Open Water/Little Lake, Tributaries, Groundwater)
  - Water quality and algae monitored in Midland Bay and open waters of Severn Sound, and Little Lake
  - SSEA worked with MECP & Health Unit to monitor and report harmful algae blooms
  - Groundwater quality and levels monitoring
  - Stream temperature monitoring
- Climate/Georgian Bay Water Level Monitoring
  - Water level gauge (Midland Harbour), weather station at WWTP
- Citizen Science Monitoring – Shore Watch, Stream Watch, Ice Spotters & Invasive Species Spotters (<https://bit.ly/sseacit-sci>)



Little Lake  
Monitoring



Citizen Science  
Monitoring



Weather Station



Blue Green Algae  
Monitoring

# 2022 Key Highlights Cont'd

- 2022 Tree Seedling Distribution Program: 600 native tree & shrub seedlings distributed/planted by Midland participants (9,490 seedlings to date)
- Planning for 2023 Tree Seedling Distribution & Planting programs
- Invasive Species (IS) Program
  - Municipal IS Working Group
  - Identification, monitoring & management at priority locations
  - IS Reporting (e.g. Spongy Moth defoliation forecast report; municipal IS reports)
  - IS Resources - factsheets & videos at [www.severnsound.ca](http://www.severnsound.ca)
- Partners for Climate Protection (PCP) program Associate Member services
- Projects for Pollinators - Pollinator plantings, pollinator guide booklet published



Students planting at  
Little Lake Park



Pollinator guidebook

Also online:  
<https://bit.ly/sseapollinator>



Curbside Tree Distribution

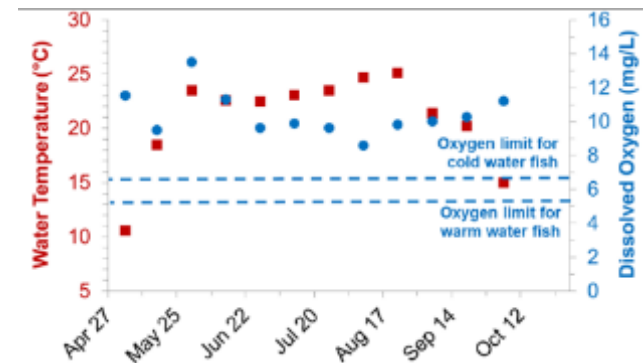


# 2023 SSEA Work Plan Items

- Implementation of SSEA Strategic Plan
- Drinking Water Source Protection –
  - Source Protection Authority
  - Risk Management Services
- Environmental Monitoring
  - Water quality (Open water, Little Lake, tributary, and groundwater monitoring and reporting)
  - Maintain weather station network (weather stations in Midland & Lafontaine; live data at [www.severnsound.ca](http://www.severnsound.ca))
  - Citizen science volunteer recruitment
  - Guidance on new stormwater ECA monitoring requirements



Groundwater sampling



Little Lake temperature & dissolved oxygen, 2022



# 2023 SSEA Work Plan Items Cont'd

- Plan Input & Review, Habitat Assessment as requested by the Town
- Stewardship Projects, Tree Planting & Tree Distribution
- Invasive Species Program
  - Continue to work with staff on IS priorities including identification, detection, management, training, education
- Delivery of Sustainable Severn Sound Climate Action
  - Partners for Climate Protection (PCP)
  - Pollinator and Bee City project support
- Naturalization and habitat restoration projects on municipally-owned land (Great Lakes Local Action Fund project)



Protecting and valuing natural assets like pollinator habitat





# SSEA 2023 Request – Midland

## 2023 Budget Request \$161,272

### Operations Core Municipal Funding

- **\$133,408**

### Special Projects

- Risk Management Services
  - **\$9,124**
- Tree Distribution Program
  - **\$0**, in-kind time from Town
- Little Lake water quality survey, invasive mussel monitoring
  - **\$7,261**
- Sustainable Severn Sound
  - **\$11,479**



Measuring Little Lake water levels



# Thank you!

**Severn Sound Environmental Association**

**489 Finlayson St Port McNicoll ON L0K 1R0**

[www.severnsound.ca](http://www.severnsound.ca)

[sseainfo@severnsound.ca](mailto:sseainfo@severnsound.ca)

705-534-7283



**SSEA...Keeping Severn Sound healthy...for  
the next generation and beyond**

[jcayley@severnsound.ca](mailto:jcayley@severnsound.ca)

"TWITTER, TWEET, RETWEET" and the Twitter Bird logo are trademarks of Twitter Inc. or its affiliates.

