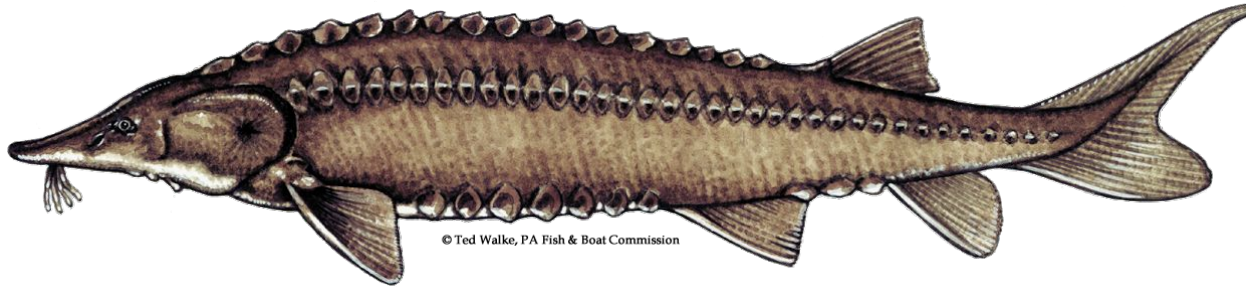


# Aquatics Research & Conservation at Shawanaga First Nation



Carter Rouleau  
Shawanaga First Nation  
November 23, 2022



Shawanaga  
First Nation



# 3 Aspects of Aquatics

- Research
  - In collaboration with academics and industry experts
- Monitoring
  - Water quality & stewardship
- Reintroduction & active conservation
  - Walleye hatchery

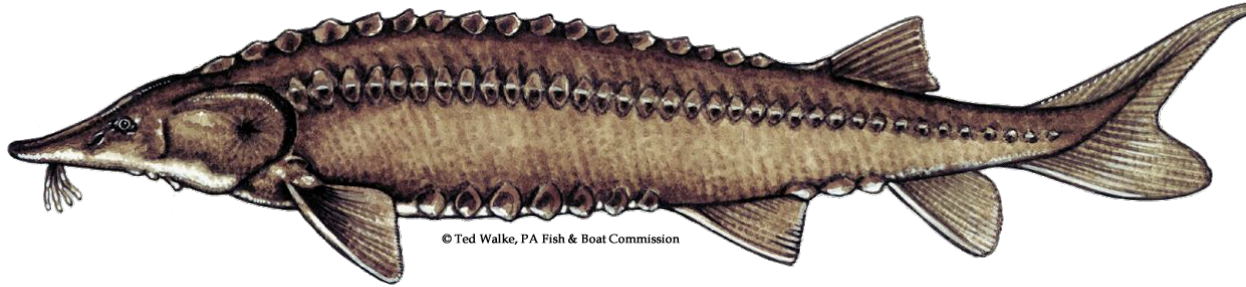


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# Lake Sturgeon (Nme) Research @ SFN





# Objectives

1. **Address knowledge gaps on spawning populations by bringing together Indigenous Knowledge and contemporary science.**
2. **Determine presence/absence of select spawning populations and identify habitat limitations and/or stressors.**
3. **Develop a lake sturgeon conservation plan for eastern Georgian Bay.**



# Address knowledge gaps on spawning populations by bringing together Indigenous Knowledge and contemporary science.

Help us create a Lake Sturgeon conservation plan grounded in Indigenous knowledge!



Shawanaga First Nation & the Georgian Bay Biosphere are working together on a 3-year project to enhance Lake Sturgeon protection, conservation, and recovery efforts in eastern Georgian Bay.

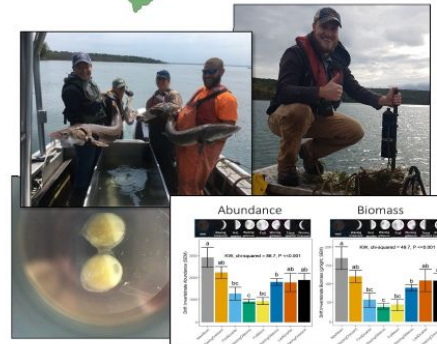


To learn more visit [www.gbbr.ca/lake-sturgeon](http://www.gbbr.ca/lake-sturgeon)  
or contact Nigel or Tobias.

Phone: 705-366-2526  
Email: [teka@shawanagafirstnation.ca](mailto:teka@shawanagafirstnation.ca)



## 2019 Lake Huron Lake Sturgeon Working Group Report



This document is intended to provide an update regarding lake sturgeon activities within the Lake Huron basin. Please contact the agency leads listed for more information about a specific project.

Develop a lake sturgeon conservation plan for eastern Georgian Bay.





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**SHAWANAGA ISLAND**  
**INDIGENOUS PROTECTED & CONSERVED AREA**

# Shawanaga Island IPCA

- Indigenous-led governance and stewardship
- Land and water-based conservation & monitoring efforts



# Fish Spawn Habitat Monitoring

- Collaboration with Eastern Georgian Bay Stewardship Council
  - Habitat assessment
  - Risk assessment
  - Steps in continuing stewardship



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# Shawanaga First Nation Walleye Hatchery



“If it wasn’t for us taking care of that river... there wouldn’t be any [walleye] left down there.”

- Chief Wayne Pamajewon

# Shawanaga First Nation Walleye Hatchery

- Involved in Walleye conservation since 1970s
- Hatchery introduced in 1996



# Shawanaga First Nation Walleye Hatchery





# Shawanaga First Nation Walleye Hatchery

- Capacity:
  - 4-8 million fry/year
  - 200,000 advanced fingerlings/year



# Shawanaga First Nation Walleye Hatchery





An aerial photograph of a river winding through a rugged, rocky landscape. The river is dark and calm, reflecting the surrounding greenery. The banks are composed of large, light-colored rocks and boulders, interspersed with dense evergreen and deciduous forests. The overall scene is a natural, undisturbed wilderness.

# Questions?

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