



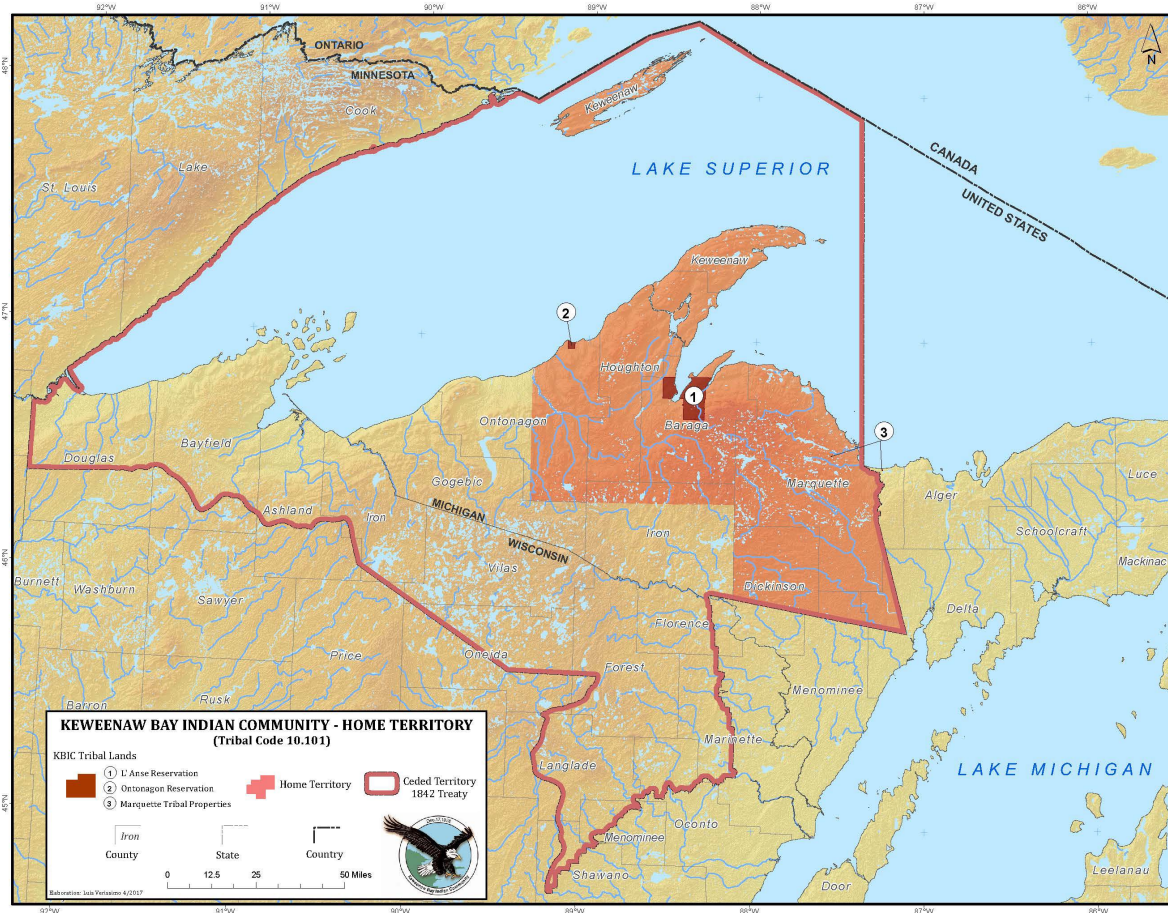
# Keweenaw Bay Indian Community Radon Program

Teal Sackett





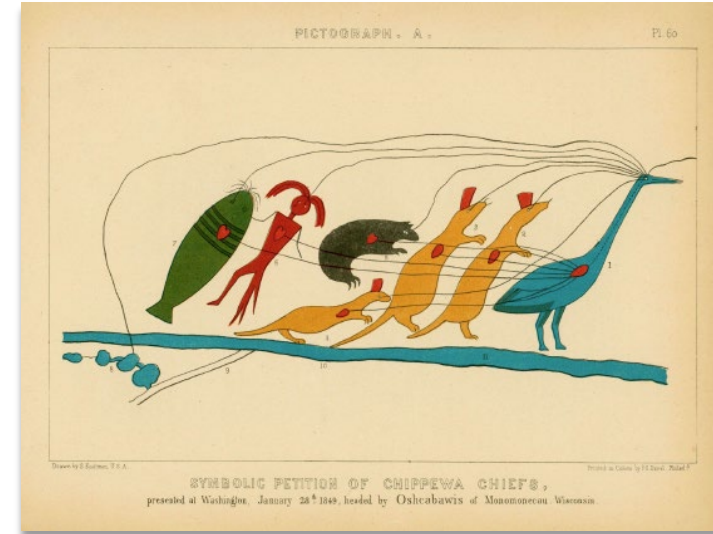
# Lak (Ojibwe)







- 3,500+ registered Tribal members
- 59,000 acres of primarily forested land (checkerboard ownership)
  - 23 miles of Lake Superior shoreline
  - 200+ miles of streams and rivers
  - Nearly 5,000 acres of inland lakes and wetlands
- **Responsibilities**
  - Shared obligation with our human and more -then -human relatives for the protection and stewardship of the region
  - We are not alone; we share this space with many that cannot speak for themselves in the Council of Men.





# KBIC Natural Resources Department

- Field Fisheries & AIS
- Hatchery
- Wildlife & Habitat
- Environmental Health
- Great Lakes
- Sustainability
- Forestry (separate Department)

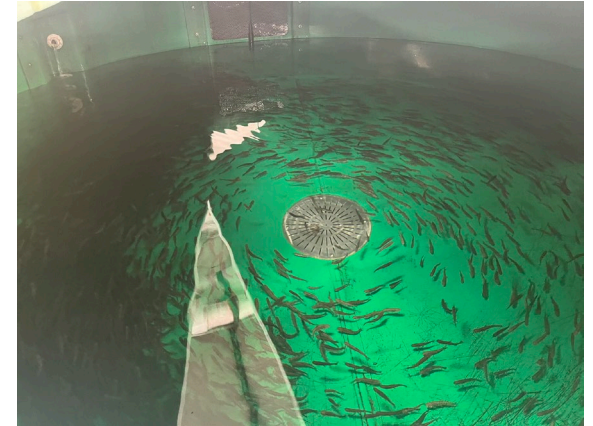






# KBIC Hatchery

- Began in 1993 to combat declining native fish populations
- Raises lake trout, brook trout, and walleye
- Annual stocking targets
  - 25,000 walleye
  - 30,000 coaster brook trout
  - 40,000 stream brook trout
  - 50,000 lake trout fingerlings
- Develops and manages biologically and genetically unique strains of fish for its program





# Hatchery Radon Journey (Discovery)

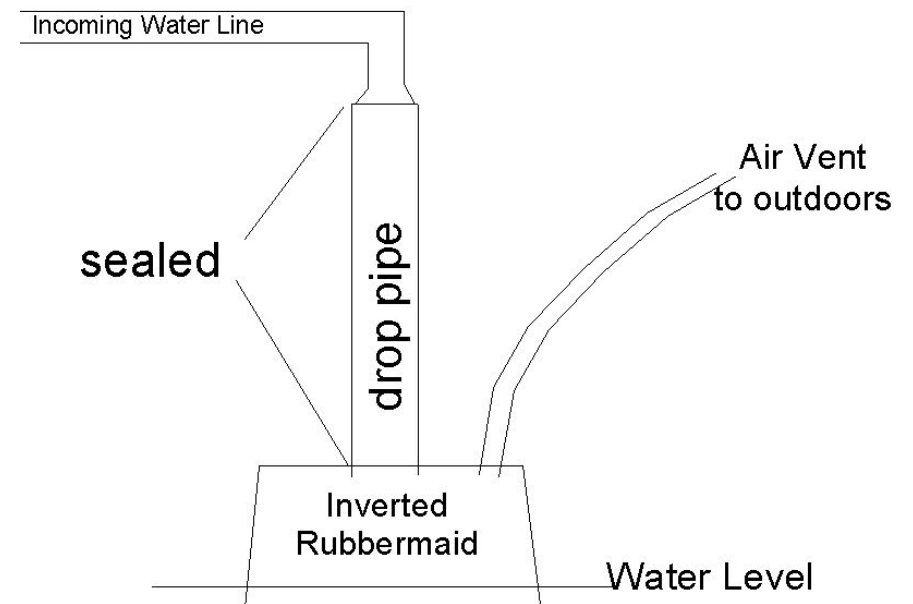
- Discovered to be an issue in the early 2000's
- Continuous monitoring was put in place
  - Levels were found to be up to 100 pCi/L on some days
- Primary source of radon is present in the groundwater that is constantly flowing throughout the hatchery
  - 120 gal/min





# Hatchery Radon Journey (Mitigation)

- Original mitigation was to seal the water which then was vented outdoors
  - System put in place in late 2000's
- Water was aerated in the drop pipe releasing radon gas
- It was then passively vented to the outdoors
- Air exchange systems put in place in 2010







# Hatchery Today

- Now head tanks are used that degas the water
- Exhaust fans pull out released radon gas
- Numerous fans and air exchange systems have been updated
- Continuous radon monitoring
  - Femto -tech CRM-510LP
  - RadonEye in both buildings
- Levels are now found to be below 2 pCi/L







# Radon Action Month Outreach 2024

Posters, pamphlets, and charcoal tests placed at KBIC Health Clinic, tribal center, library, and local government commons areas

Radio advertisements throughout month of January

Social media posts on KBIC Natural Resources Page

 KBIC Natural Resources Department  
January 8 · 🌐

JANUARY IS RADON ACTION MONTH

What is Radon? Radon is an invisible odorless and tasteless radioactive gas.

Why should we care about Radon? Radon is the 2nd leading cause of lung cancer. It is the #1 cause of lung cancer in smokers. Radon is responsible for about 21,000 deaths in America each year. The only way you know you have Radon in your house is to test for it.

Test your home to protect your health. See the link below for different ways you can test your home for Radon.

<https://www.michigan.gov/.../indoor-radon/testing-for-radon>

#RADONAWARENESS'





# 2024 KBIC Pow Wow

The annual 3 -day Pow Wow is our best attended outreach event. During 2024 numerous charcoal tests were distributed..

**46TH ANNUAL KBIC MAAWANJI'IDING**  
JULY 26-28 2024  
OJIBWA CAMPGROUND, BARAGA, MI

Grand Entries: Friday 7pm, Sat 1pm & 7pm, Sun 1pm

Host Drum: Showtime  
Co-Host Drum: Tomahawk Circle

Emcees:  
John Teller Jr. Mike Sullivan

Arena Directors:  
Chaske LeBlanc Shiloh Lussier

Head dancers:  
Aerius Benton-Banai  
Ningozis White

KBIC Drums:  
Woodland  
Loon Travelers  
Four Thunders

**Specials**

Woman's Jingle \$1000, \$800, \$600, \$400, \$200	Men's Woodland \$1000, \$800, \$600, \$400, \$200
Girl's Jingle (6-17) \$500, \$300, \$200, \$100, \$50	Boy's Woodland (6-17) \$500, \$300, \$200, \$100, \$50
★★★★★ 5 Man Bass Drum Special ★★★★★ \$3000, \$2000, \$1000	
Hand Drum - Midnight Two-Step - Pop-up Specials - Drum Split \$500, \$300, \$200, \$100	

\*\*\*\*\*  
Dancer Honorariums

Contact: Christine Awonohopay 906-201-2297  
Not Responsible for Lost or Stolen Property. Absolutely No Drugs or Alcohol







# 2024 KBIC Health Fair

Annual outreach event for distributing radon test kits and providing one on one radon education to the community. Advertised the importance of IAQ and home assessments as well. Here we also provided DIY all purpose cleaner.

**HEALTH FAIR**

**Niiwin Akeaa Center**  
111 Beartown Rd.  
Baraga, MI

**Wednesday  
June 5th**  
11:00am to  
1:00pm

**JOIN US!**

This is a free community event tailored to promoting healthy lifestyles, preventing and managing diseases, and linking you to valuable resources.

 **KBIC Health System**

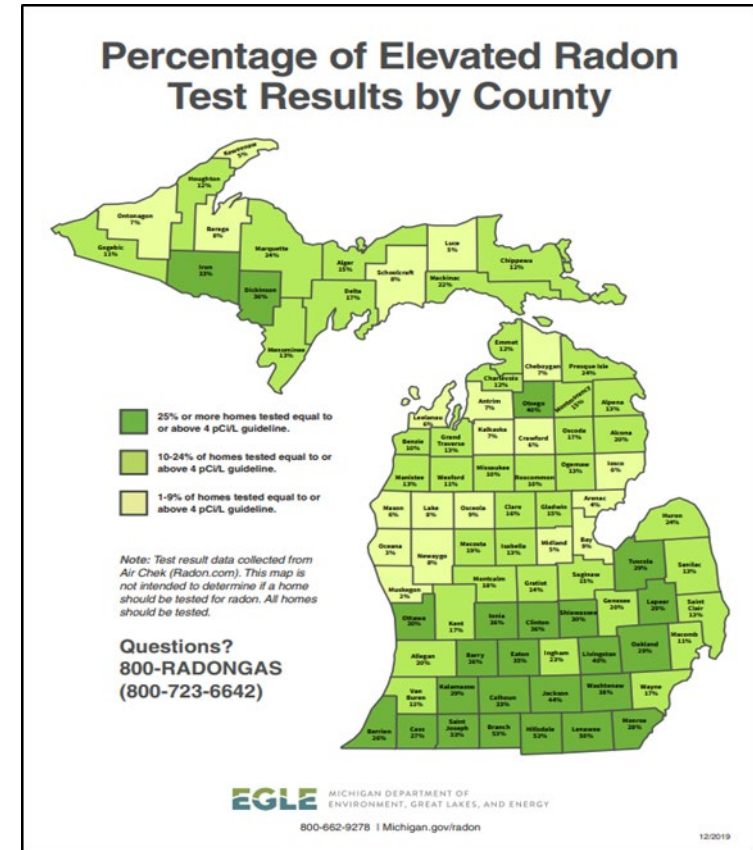
 **For More information:**  
Call: (906) 353-4542  
Email: [kelsey.mayo@kbic-nsn.gov](mailto:kelsey.mayo@kbic-nsn.gov)





# Partnership with State of Michigan - EGLE Radon Office

- Assisted with Hatchery radon measurement and mitigation
- Supports KBIC with charcoal test kits and printed publications
- Provides assistance and shares opportunities to implement KBIC Radon Program growth







# Goals for KBIC Radon Program

- Expand our radon monitoring program within the hatchery as well as the public (more monitors)
- Develop and offer radon testing for Real Estate transactions
  - Work with KBIC Housing Department
- Continue all in person air quality assessment work





# Thank you!

KBIC SIRG Program Contact -  
Teal Sackett –Air Quality Specialist

906 -524 -5757 x 4218

[tsackett@kbic](mailto:tsackett@kbic) -nsn.gov

