

Lac du Flambeau Tribal Natural Resource Department

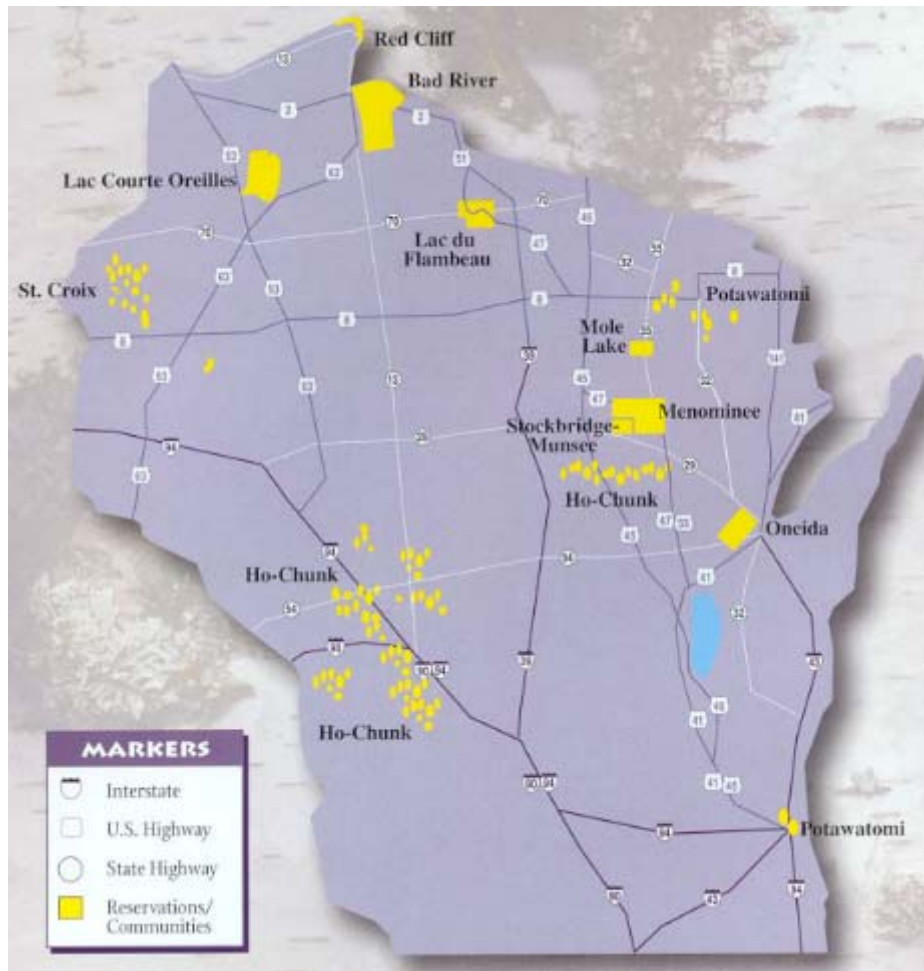


Larry Wawronowicz
Natural Resource Director
April 19, 2018



2018 Wisconsin Lakes Partnership Convention and Water Action
Volunteers Symposium

Lac du Flambeau Reservation Location



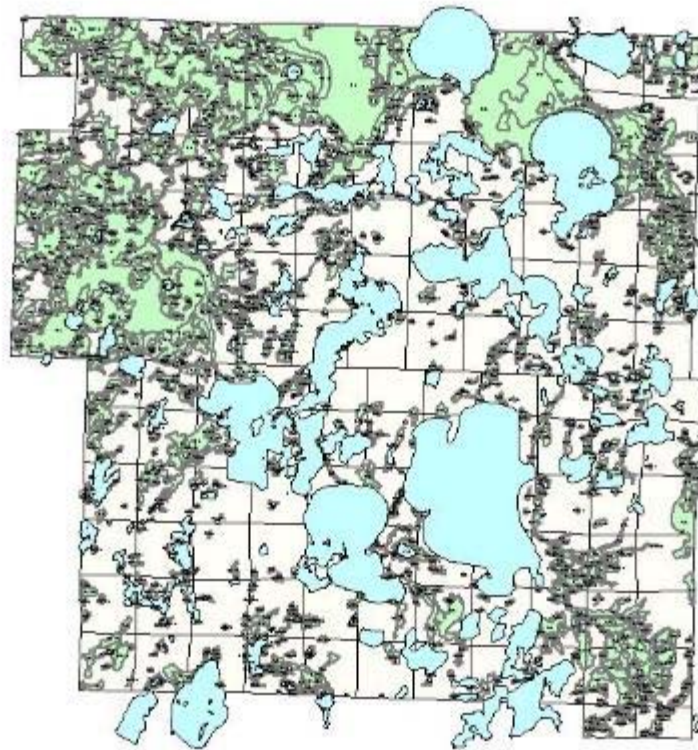
TRIBAL NATURAL RESOURCES

- AREA- 86,630 acres or 144 square miles
- LAND OWNERSHIP- 66.8% tribal land and 33.2% fee land.
- LAKES- 260. 27 square mile of water (17,280 acres)
- CREEKS/RIVERS- 71 miles.
- WETLANDS- 24,000 acres
- FORESTED LANDS- 41,733 acres
- 433 miles of Shoreline

Aerial Photo of the Reservation



49% of the Reservation is Wet Lakes, Rivers and Wetlands



Natural Resource Utilization

- The Lac du Flambeau Band utilizes the natural resources to provided cultural, subsistence, economic and social opportunities for tribal members.
- The resources are also available to the non-Indian Community.

Goals of the Tribal Natural Resource Department

- Protect
- Conserve
- Enhance

Tribal Natural Resources for present and future generations of all people living on the reservation by utilizing the Band's IRMP and Natural Resource Programs.

Tribal Natural Resource Department Programs

- Fish Culture
- Fisheries Management (Including GLRI)
- Wildlife Management (Including GLRI)
- Conservation Law Enforcement
- Forestry
- Water Resources

Tribal Natural Resource Department Programs (continued)

- Parks and Recreation
- Environmental Protection (Brownsfield, Solid Waste, Education)
- Land Management
- Tribal Historic Preservation
- Energy (Alternative and Conservation)
- Air Program

Fish Culture Program

- Goal : To raise the fish necessary to support a subsistence and sport fisheries.
- Fish Raised are Walleye, Muskellunge, Lake Sturgeon and Trout
- Have raised and stocked over 5 hundred million and 2.9 million walleye fry and fingerlings since 1960.

Walleye Hatching Jars



Walleye Fry



Walleye Ponds



Walleye Fry Being Stocked



Walleye Fingerling Harvest



Fish Stocking



Lake Sturgeon Fingerling



Fisheries Management Program

- Goal: Conduct studies and surveys necessary to determine the status of the fisheries resources.
- Studies and surveys include electrofishing, creel surveys, population estimates, hydro-acoustics, gill netting, etc.

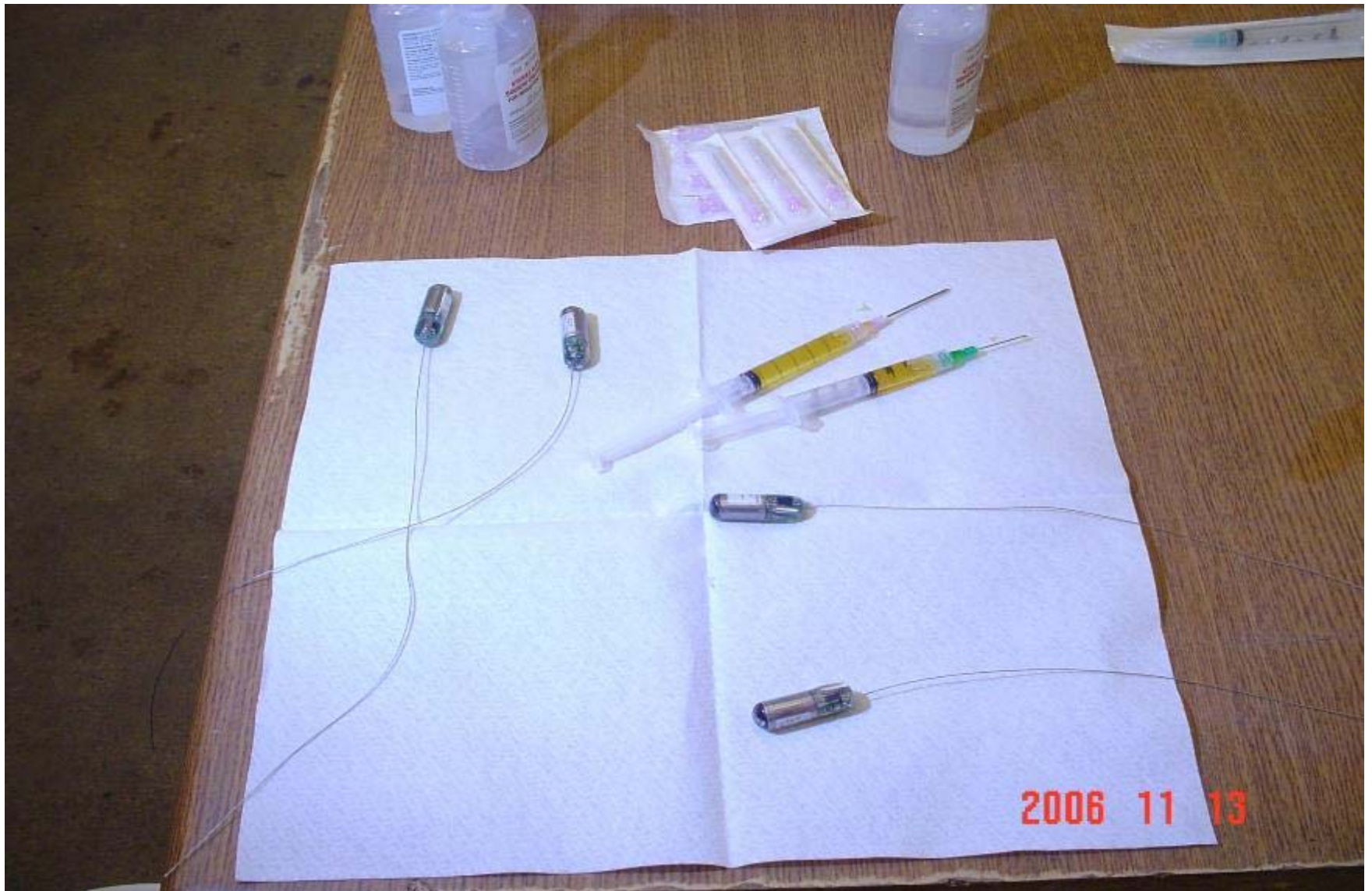
Lake Sturgeon Tagging



Reading a Personal Identification Tag



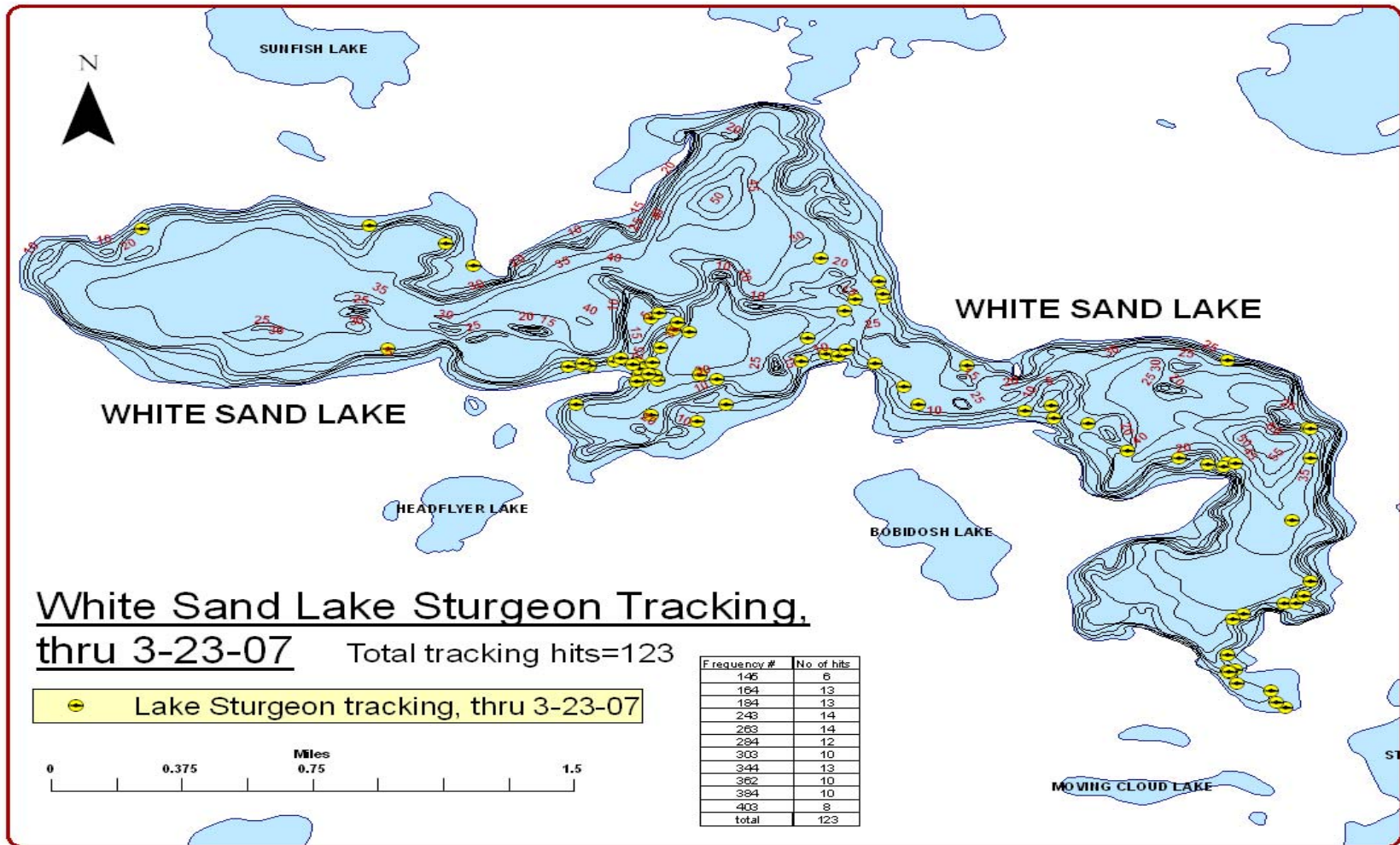
Radio Tags – Lake Sturgeon



Radio Tags in Sturgeon



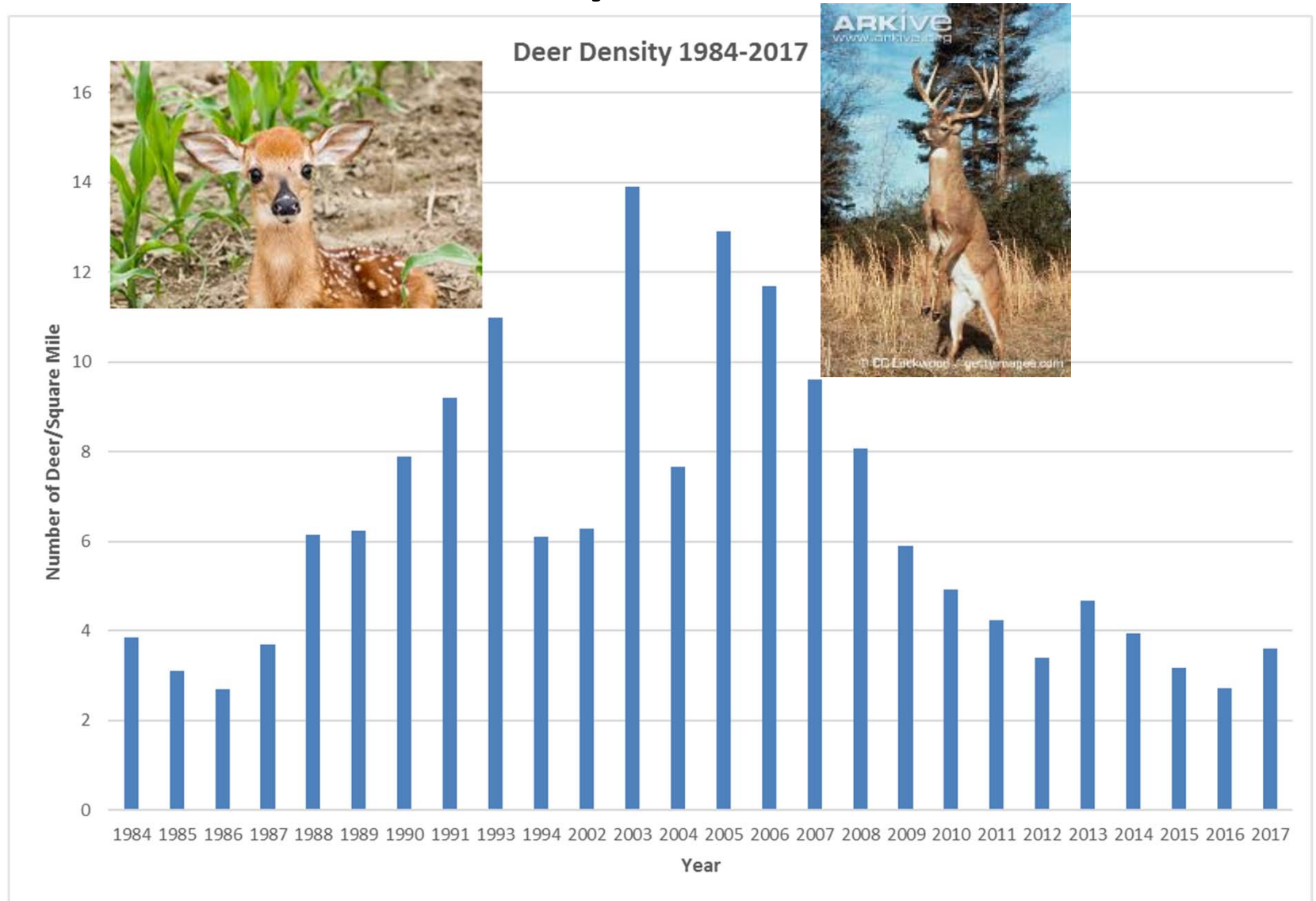
Sturgeon Tracking –White Sand



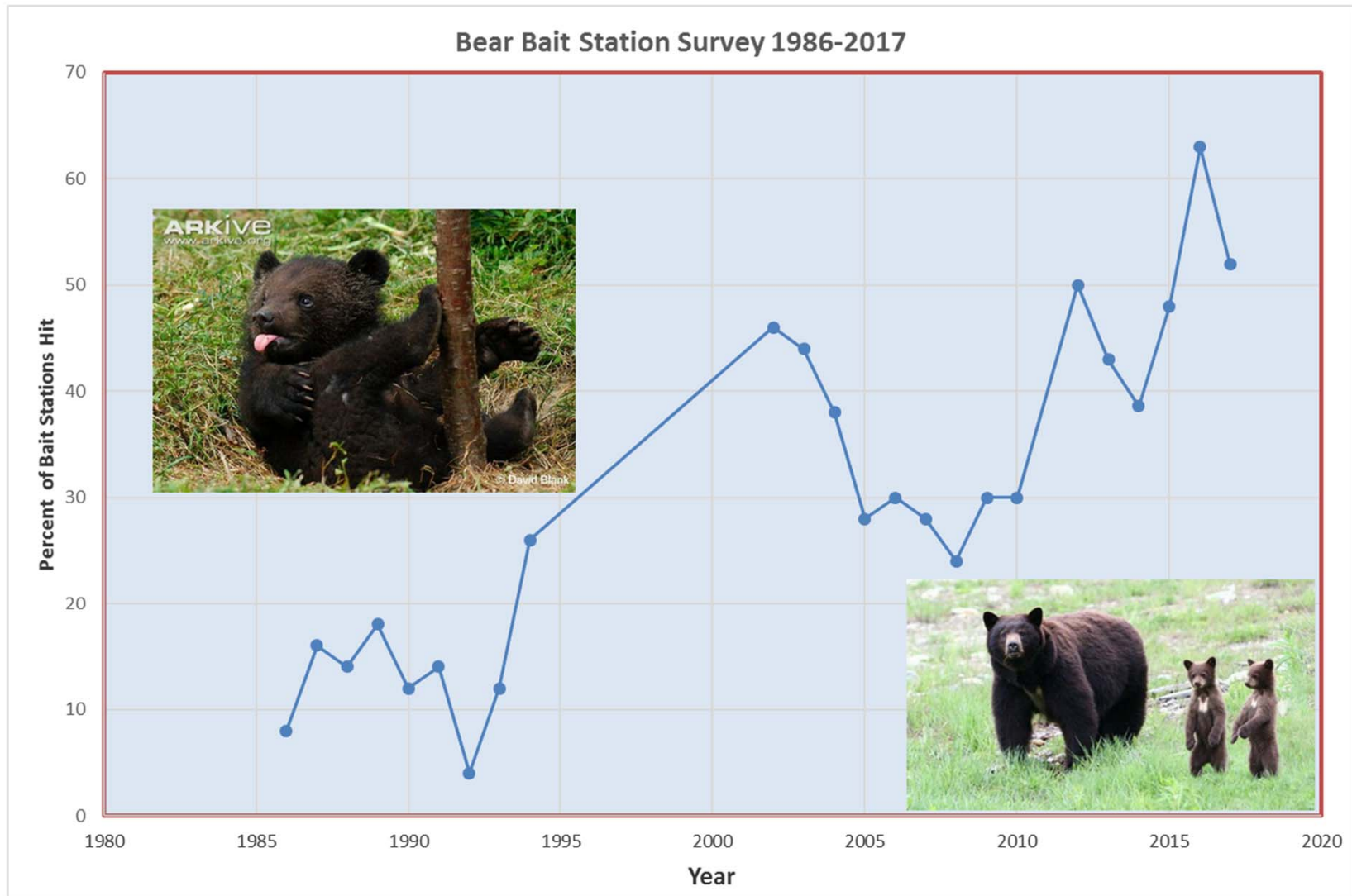
Wildlife Management

- Goal: Conduct studies and surveys to determine the status of the wildlife populations on the reservation.
- Studies and surveys include deer pellet group survey, bear population survey, grouse, hare, waterfowl and turkey.

Deer Density 1984-2017



Bear Population Analysis 1986-2017



Conservation Law

- Goal: To enforce all Tribal Natural Resource laws, codes and ordinances.
- Examples: shoreline protection ordinance, boating, snowmobile and A.T.V. ordinances, fish and wildlife codes and water quality standards.

Boating Violations



Forestry

- Goal: To develop and improve timber stands, timber sales and conduct tree planting activities.
- The Forestry Program is responsible for managing 41,733 acres of land.

Forestry/Shoreline Buffer.



Parks and Recreation

- Goal: To develop and improve outdoor recreational opportunities for tribal members and visitors.
- Operate and maintain the Tribal Campground
- Implement LDF Parks Plan.

Outdoor Recreation Opportunities



Environmental Protection

- Goal: To improve the environmental quality of the reservation and to educate the community on these issues.
- Issues include solid waste, air quality and underground storage tank removal
- Environmental education materials to include videos, brochures and booklets

Water Resource Program

- Goal: Conduct studies and surveys on reservation waters and wetlands to set water quality standards and monitor the reservation surface and ground water.
- Educate the LDF Community on water resource issues including Aquatic and Terrestrial Invasive Species.
- Treatment as a State designation to set water quality standards.

Water Resource Program

- Lake Classification
- Well Head Protection
- Shoreline Development and Restoration
- Aquatic Invasive Species

Aquatic Invasive Species Monitoring

- Aquatic plant whole lake monitoring (2-3 lakes a year, 5-10 year rotation)
- Collaborate with our fishery program for fish and invertebrate invasive monitoring
- Work closely with over 200 citizen monitors and investigate all reports



Aquatic Invasive Species

- Aquatic Invasive Species signs at boat landing
- 2 cameras at the Fence and Flambeau boat landings that record and monitor boats.
- Have a portable steam cleaner and in the process of purchasing another one. Steam cleaner available for public use.
- **Very active Lake Associations that monitor boat landings.**

Landing Camera on Fence Lake



AIS Found in LDF

Table 7-2. Aquatic Invasive Species in Lac du Flambeau Lakes* Bear River Watershed Comprehensive Lake Management Plan								
Waterbody	Smelt	Rusty Crayfish	Purple Loose- strife***	Fresh Water Jellyfish	Chinese Mystery Snail	Banded Mystery Snail	Reed Canary Grass	Spiny Water Flea
Big Crawling Stone Lake**	1975	1986						
Fence Lake**	1968		2007			2010		
Gunlock Lake			2008		2007			
Flambeau Lake**	1968		2008					
Ike Walton Lake**								X
Little Crawling Stone Lake**	1982	2002			2011	2010		
Little Trout Lake**	1990	X					X	
Long Interlaken Lake**	1983				2013	2013		
Lower Sugarbush		X						
Middle Sugarbush		X		X				
Moss Lake**	1989		X					
North Twin Placid Lake	1996							
Pokegama Lake**	1996	1986			2011			
Powell Marsh**							X	
Shishebogama Lake			X		2010	2010		
South Twin Placid Lake	X					2010		
Squaw Lake	1963	1961			2004			
Toto Tom Lake	1990	X						
Upper Sugarbush		1975						
White Sand Lake**		2002	2008	X				
Wild Rice Lake		1975	2010		2010	2006		

*Table compiled from several WDNR reports of January 2014. X = date unknown

**Focus of the Bear River Watershed Comprehensive Lake Management Plan

***Information for Purple Loosestrife from WDNR & Lac du Flambeau reports

Shoreline Development



Shoreline Restoration



!!!!Lakesfest!!!!

Invite



Land Management

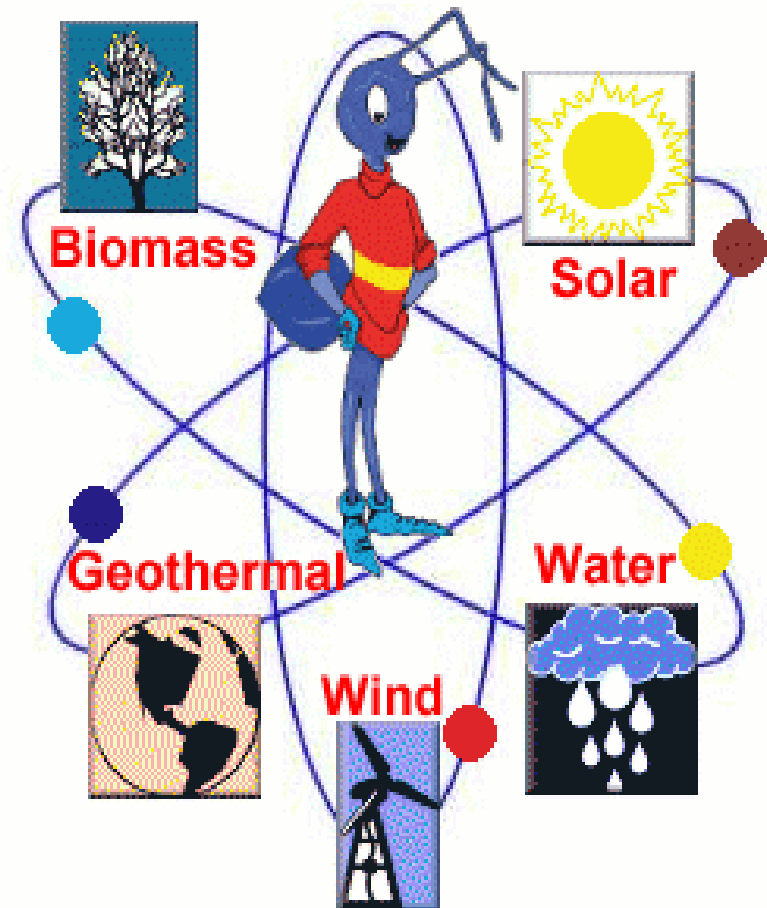
- Goal: Implement the Land Use Plan and Green Sheet Process which assures compliance with Natural and Cultural Codes and Ordinances.
- Issues permits for housing, roads and other construction or tribal program projects.
- Purchases lands and homes on the reservation.
- Places land into trust.
- Surveys Reservation Lands.
- Implements the Leasing Program.

Tribal Historic Preservation

- Goal: Protects and Preserves cultural and traditional sites and artifacts for present and future generations.
- Conducts Archeological Surveys on reservation lands.
- Assists the Tribe in complying with Historic Preservation Act and National Environmental Policy Act.
- Has the same duties and responsibilities as the State Historic Preservation Office.

Alternative/Conservation Energy Program

- Goal: Is to create an Energy Plan for the LDF Reservation that includes conservation and utilization of alternative/renewable energy.
- Solar, wind, mini-hydro, geothermal and biomass.
- Develop baseline data on Reservation energy utilization.
- Determine the potential of alternative/renewable energy for the reservation.



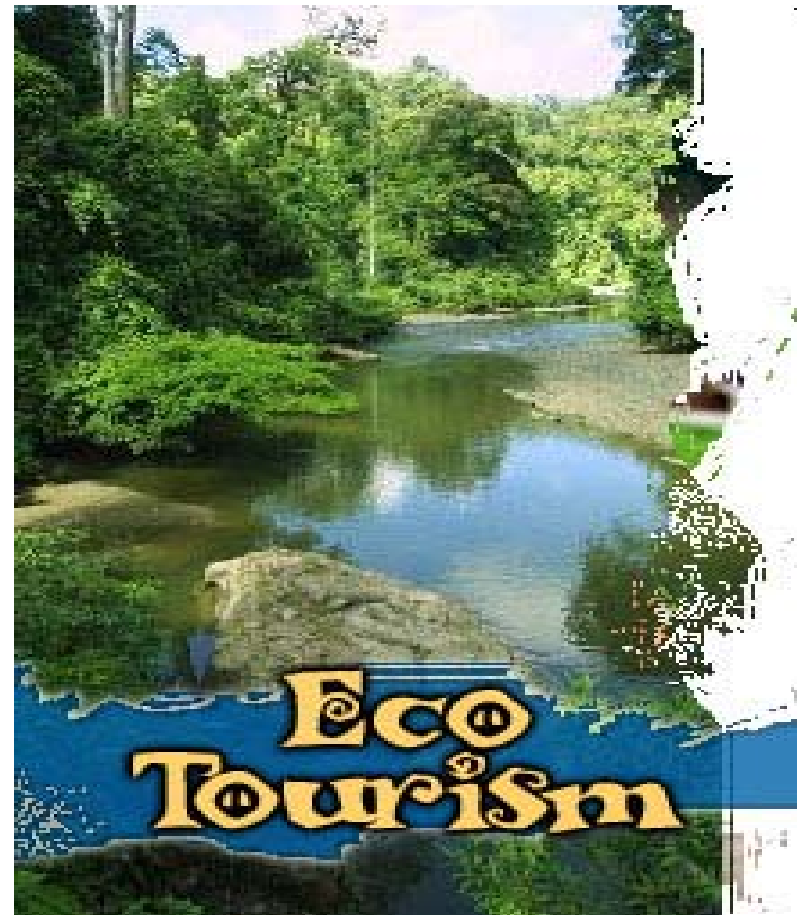
Alternative/Renewable Energy



Air Program

- A new program designed to collect baseline air quality data for the reservation.
- This program will work closely with the Water Resource, Environmental and Fish and Wildlife Programs to help protect air, land and water resources on the reservation.

Eco-Tourism






So why are we here?

To expand cooperation and leadership in protecting the natural environment for the next seven generations.

Who is already working to protect the LDF environment?

- LDF Tribe
- LDF Town
- UW Extension
- WI DNR
- Vilas County
- Discovery Center
- Lions
- Lake Associations
- NiiJii
- LDF Chamber
- WI Association of Lakes & River Alliance
- Ducks Unlimited
- Federal Government (BIA, EPA, Forest Service, NRCS, FWS)



If there are already these groups working what do we contribute?

- New threats
- Gaps in current system
- Cooperation between groups

Conclusion

- The responsibility of every Natural Resource Agency is to provide the science, biology, management, personnel, funding, policies and politics necessary to provide clean air, water and land. Without clean air, water and land, we lose our way of life and life itself!

“Anonymous”

“The End”



!!!!Lakesfest!!!!

Invite

