

Building Local Partnerships for Bird Conservation



TRUMPETER SWAN



W.K. Kellogg
Bird Sanctuary
MICHIGAN STATE UNIVERSITY

PROGRAM HISTORY

- Trumpeter swans were a native Great Lake species. Market hunting caused its extermination in Michigan.
- The last known bird was killed in the St. Clair Flats in 1875.
- A reintroduction program was started in Michigan in 1987 as part of a regional effort.
- The goal was to have 200 breeding pairs in Michigan by 2000.

SWAN RELEASE



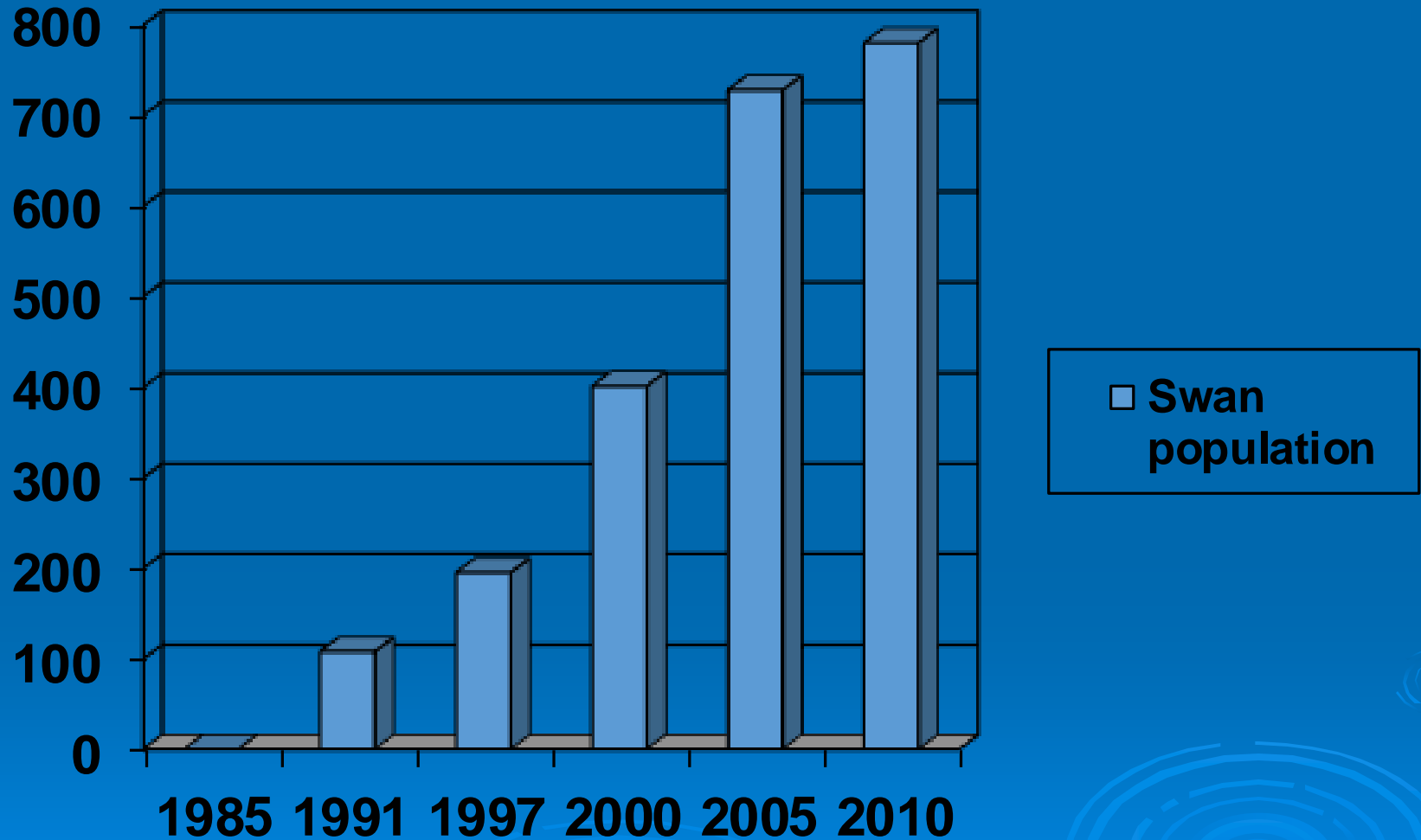
Captive breed birds are released in areas with suitable habitat

Assisted with releases

Follow-up monitoring



MICHIGAN SWAN POPULATION



Program has been a success!

OSPREY

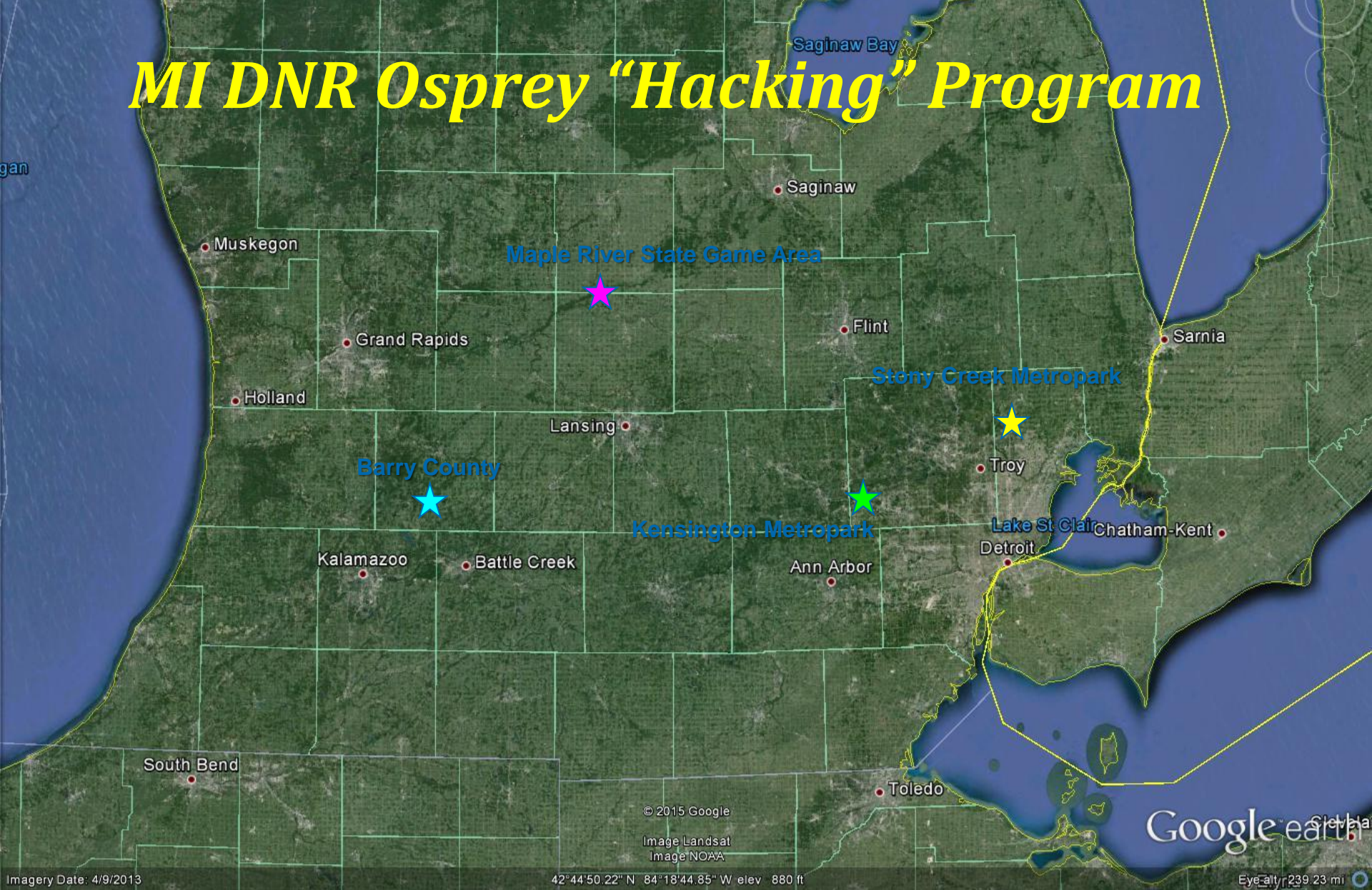


Introducing Osprey to Southern Michigan

- Establish a breeding population of osprey in southern Michigan.
- Opportunities for viewing wildlife.
- Establish 50 breeding pairs in southern MI by 2020
- Ten year program.



MI DNR Osprey "Hacking" Program



© 2015 Google
Image Landsat
Image NOAA

Google earth

Imagery Date: 4/9/2013

42°44'50.22" N 84°18'44.85" W elev 880 ft

Eye alt 239.23 mi

MI DNR Osprey Hacking Program

Year	Maple River SGA (SW)	Barry County (SW)	Kensington MetroP (SE)	Stony Creek MetroP (SE)
1998	4		4	
1999	6		6	
2000	5		6	
2001			6	
2002			2	
2003		3	3	4
2004		2		4
2005		2		3
2006				4
2007				4
TOTAL	15	7	27	18





2003 8 13







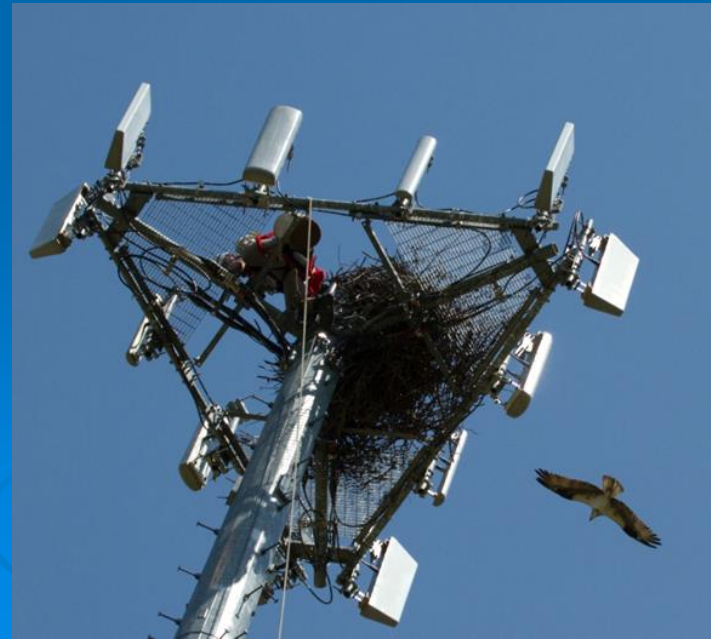
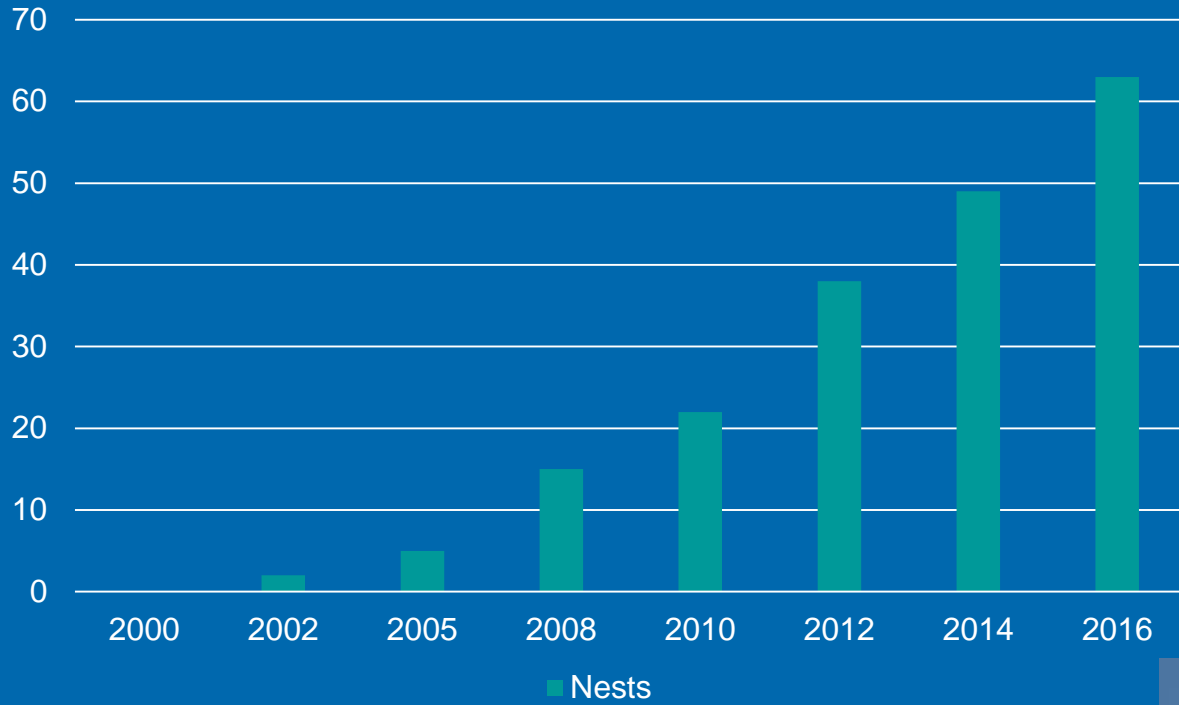
- 1998 to 2007 – Released birds
- 2002 – First southern MI nesting
- 2007 – 13 nests, 23 chicks
- 2008 to 2016 – Monitor nests/band chicks
- 2013 to 2017 – Satellite telemetry
- 2017 – Initiated citizen science monitoring program

Telemetry



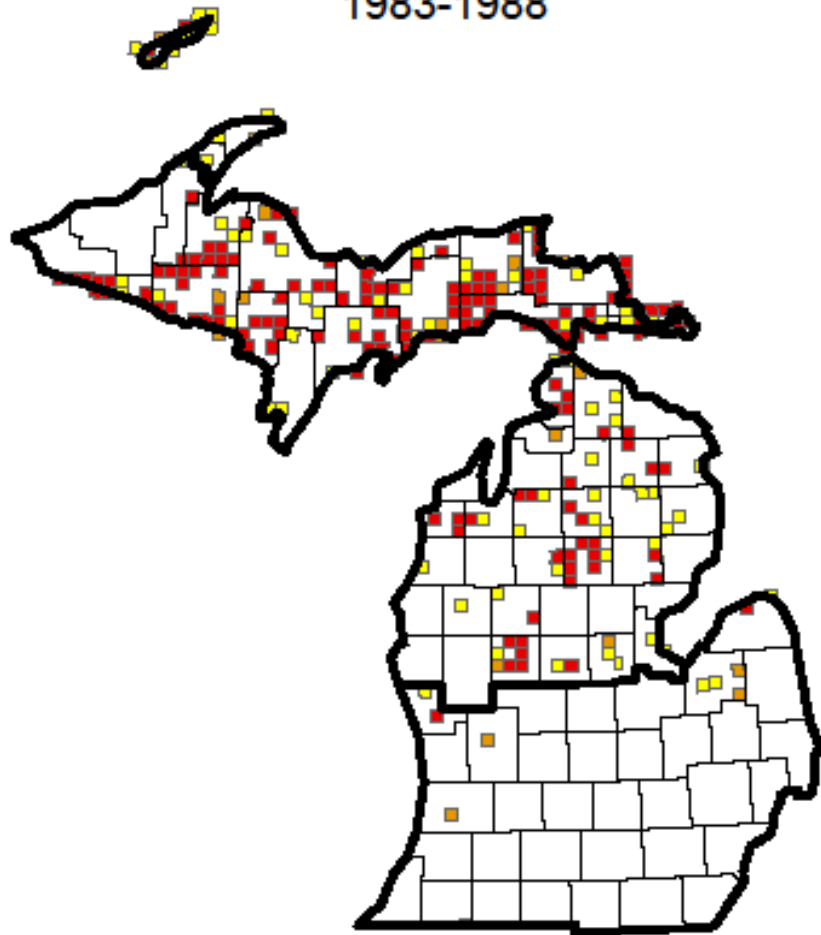


Nests

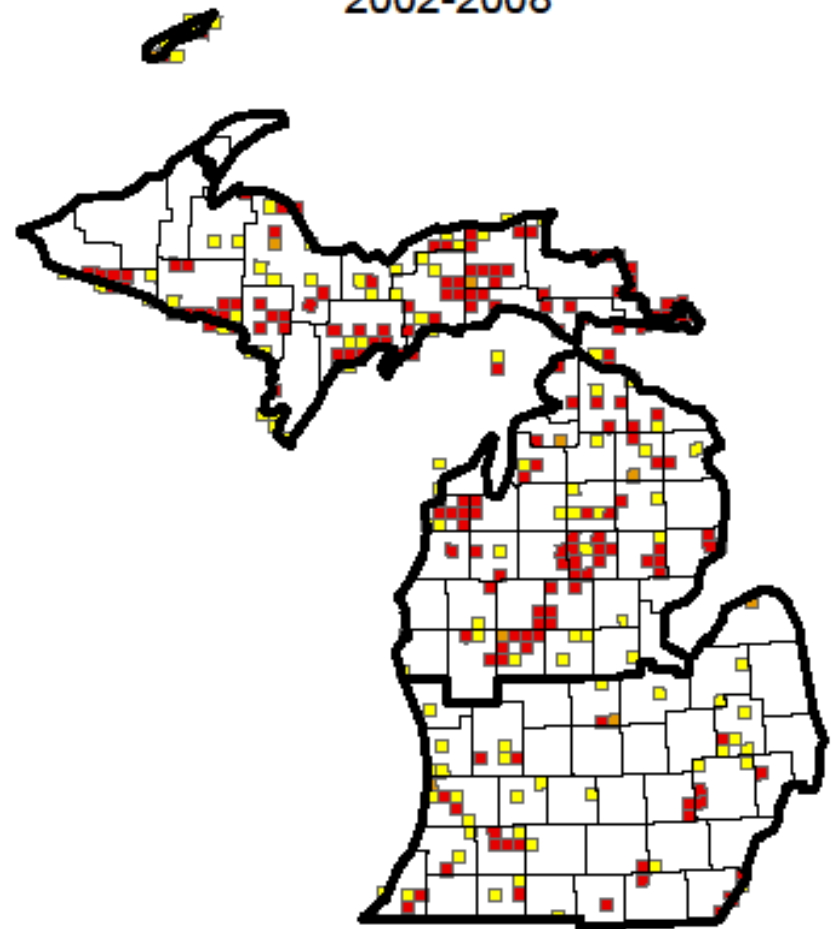


Osprey

Atlas I
1983-1988



Atlas II
2002-2008



Yellow Possible Orange Probable Red Confirmed

0 30 60 120 180 Miles

PIPING PLOVER



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM



LSA BIOLOGICAL STATION
UNIVERSITY OF MICHIGAN



Piping Plovers in the Great Lakes

Late 1980s



Image NOAA

© 2011 Cnes/Spot Image
Image USDA Farm Service Agency

©2010 Google™

SALVAGE CAPTIVE REARING

In 2000, USFWS included salvage captive rearing as a component of the recovery of this species.















piping plover
NESTING AREA

NO TRAILERS
NO MOTOR VEHICLES
NO BICYCLES
NO SKATEBOARDS
NO SCOOTERS
NO KAYAKS
NO CANOES
NO ROWBOATS
NO PWCs
NO OUTBOARD MOTORS
NO WAKEBOARDS
NO WATER SKIING
NO WAKE SURFING
NO WAKEBOARDING
NO WATER SKIING
NO WAKE SURFING
NO WAKEBOARDING



05/24/2012 19:19

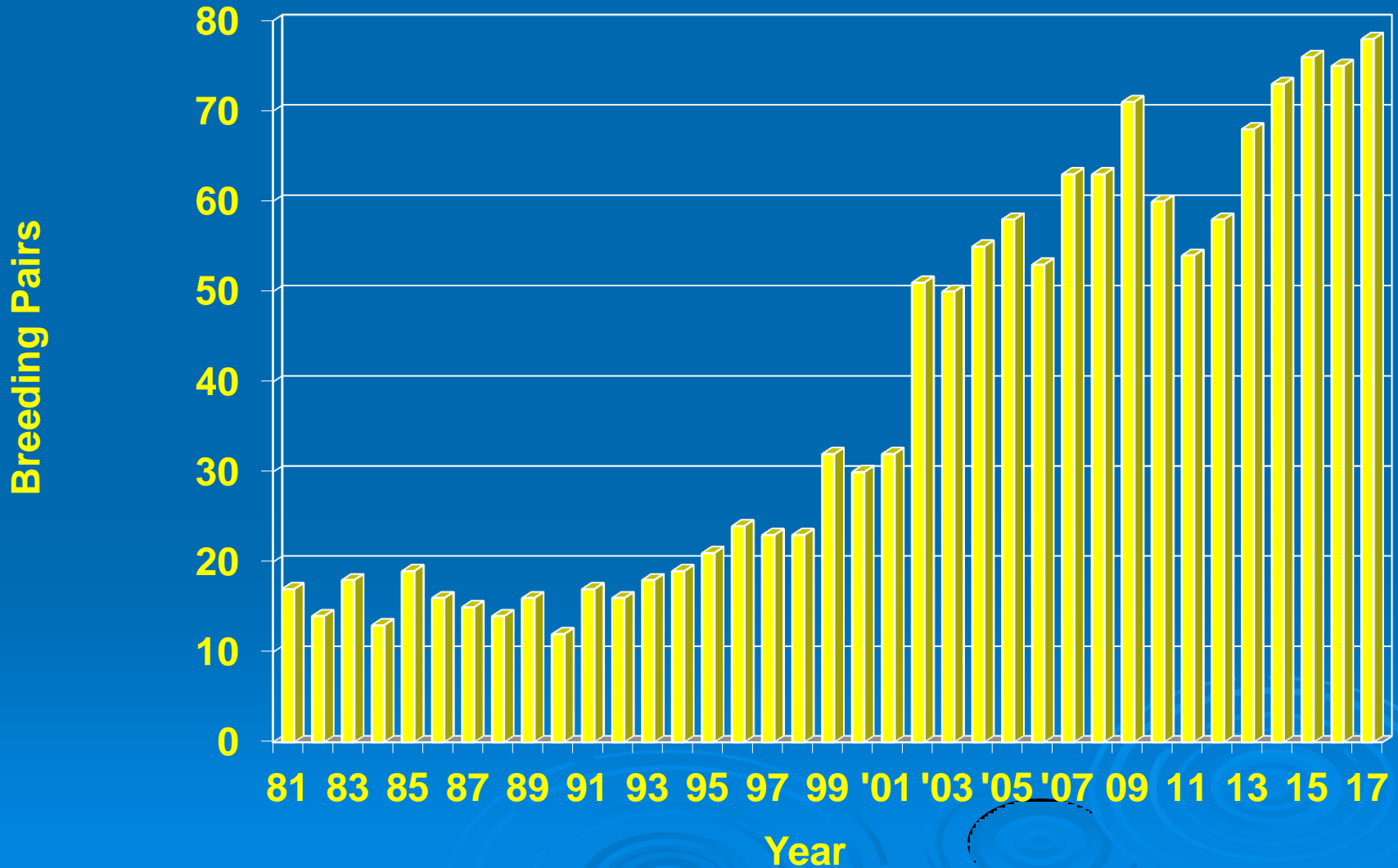
Releasing Captive-reared Chicks



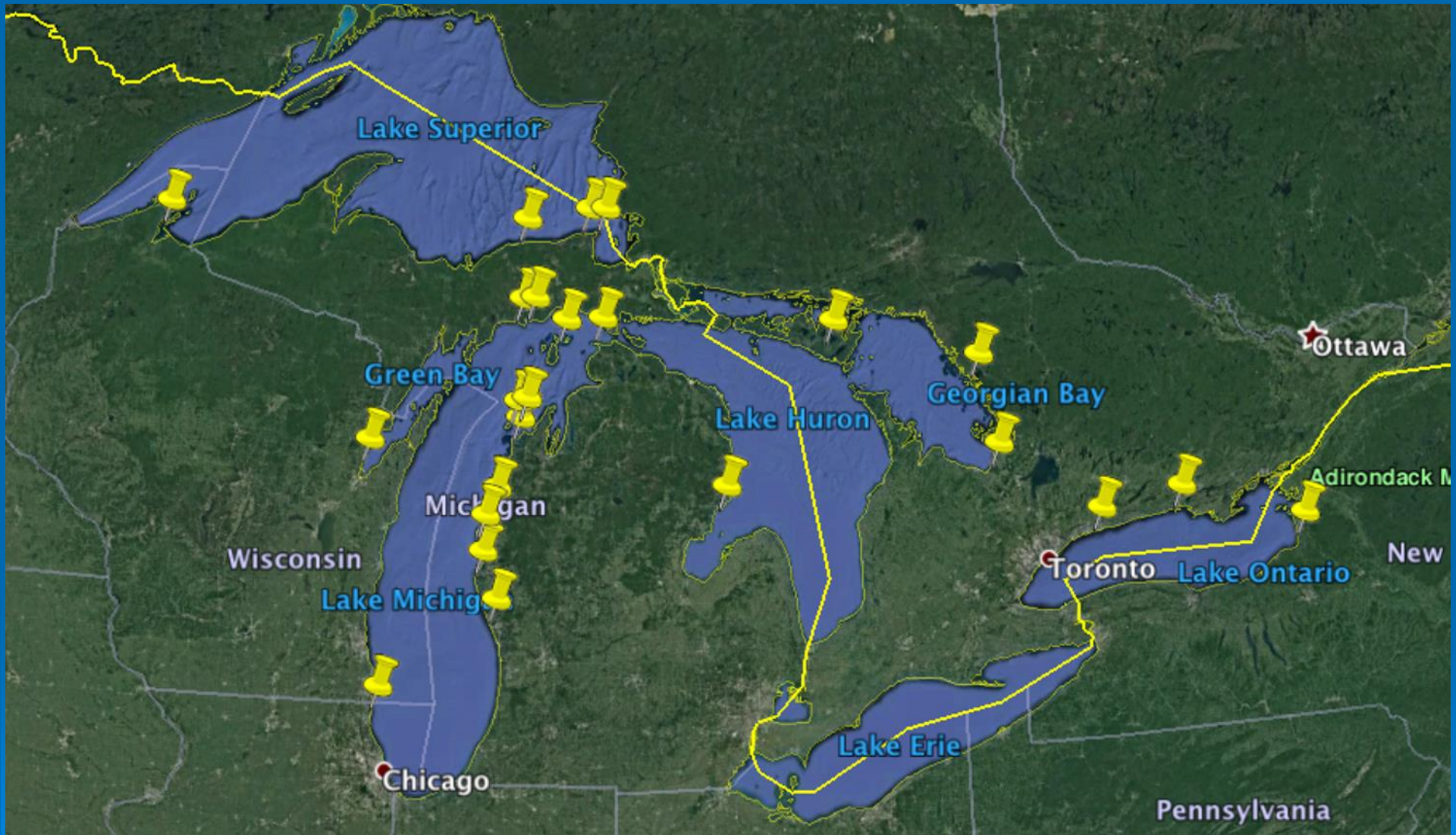
PARTICIPATING INSTITUTIONS

- Detroit Zoo
- John Ball Zoo
- Binder Park Zoo
- Potter Park Zoo
- Denver Zoo
- Toledo Zoo
- Disney's Animal Kingdom
- Lincoln Park Zoo
- San Diego Zoo
- Dallas Zoo
- Houston Zoo
- New England Aquarium
- New Jersey Aquarium
- Tracy Aviary
- Long Beach Aquarium
- Indianapolis Zoo
- SeaWorld Orlando
- Florida Aquarium
- Milwaukee Zoo
- Brookfield Zoo

Population Status



Plovers in 2016



Captive-reared Chicks – 2014 Success

24 chicks released
12 documented on wintering grounds



Captive-reared Chicks – 2017

16 chicks released ♦ 8 documented on wintering grounds



Sid Maddock

2016

Captive-reared Chicks

6 Chicks Released at Sleeping Bear Dunes

Three from Platte North 1

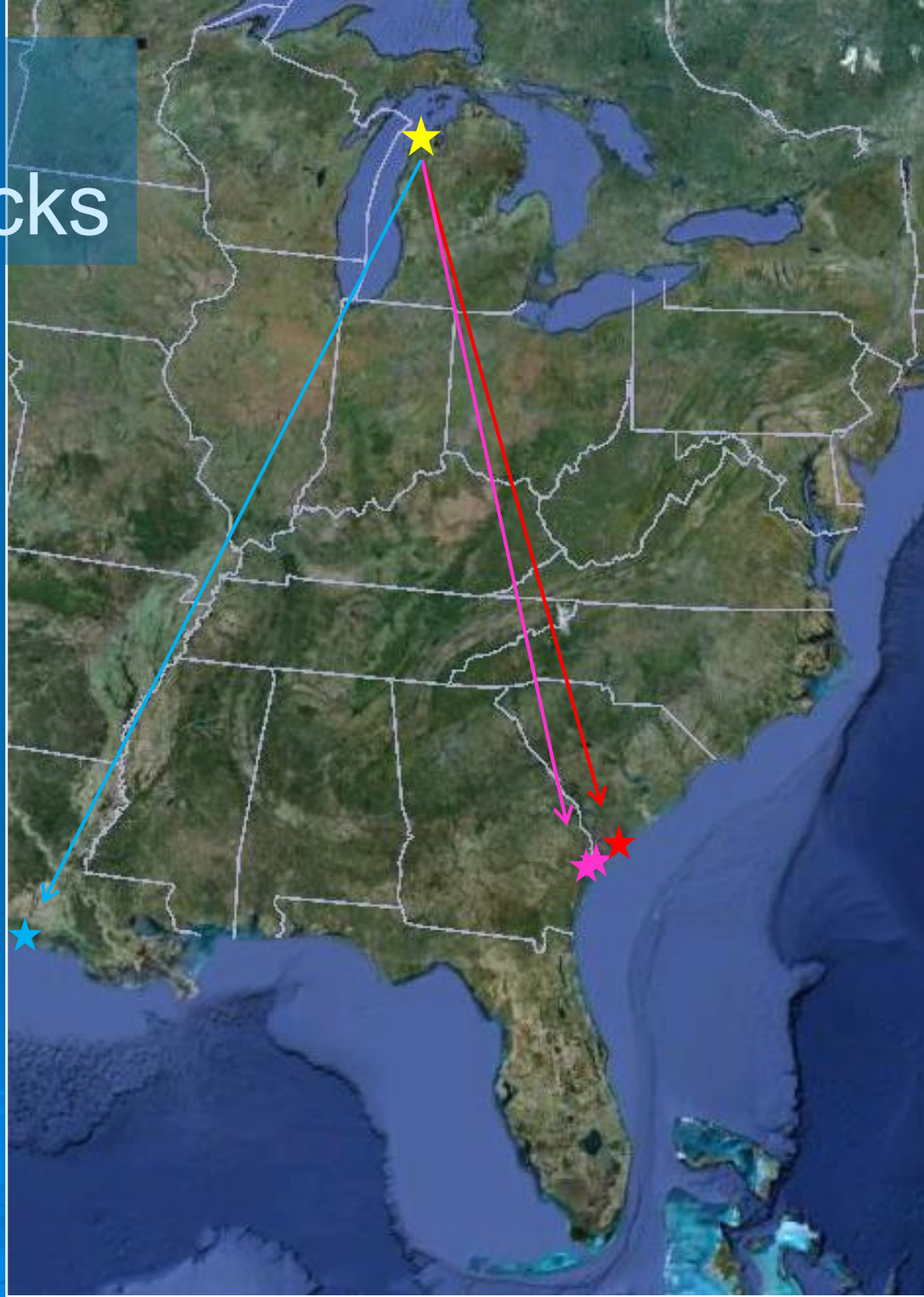
Three from Oscoda

3 Reported on wintering territories

Of,O/GY:X,Y –Beaufort, SC (PN1)

Of,O/GL:X,L –Jefferson, LA (PN1)

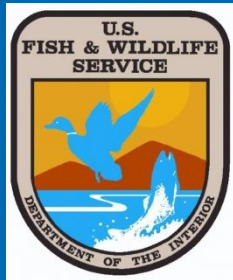
Of,O/GB:X,Y – Liberty then
Chatham Counties, GA (Oscoda)



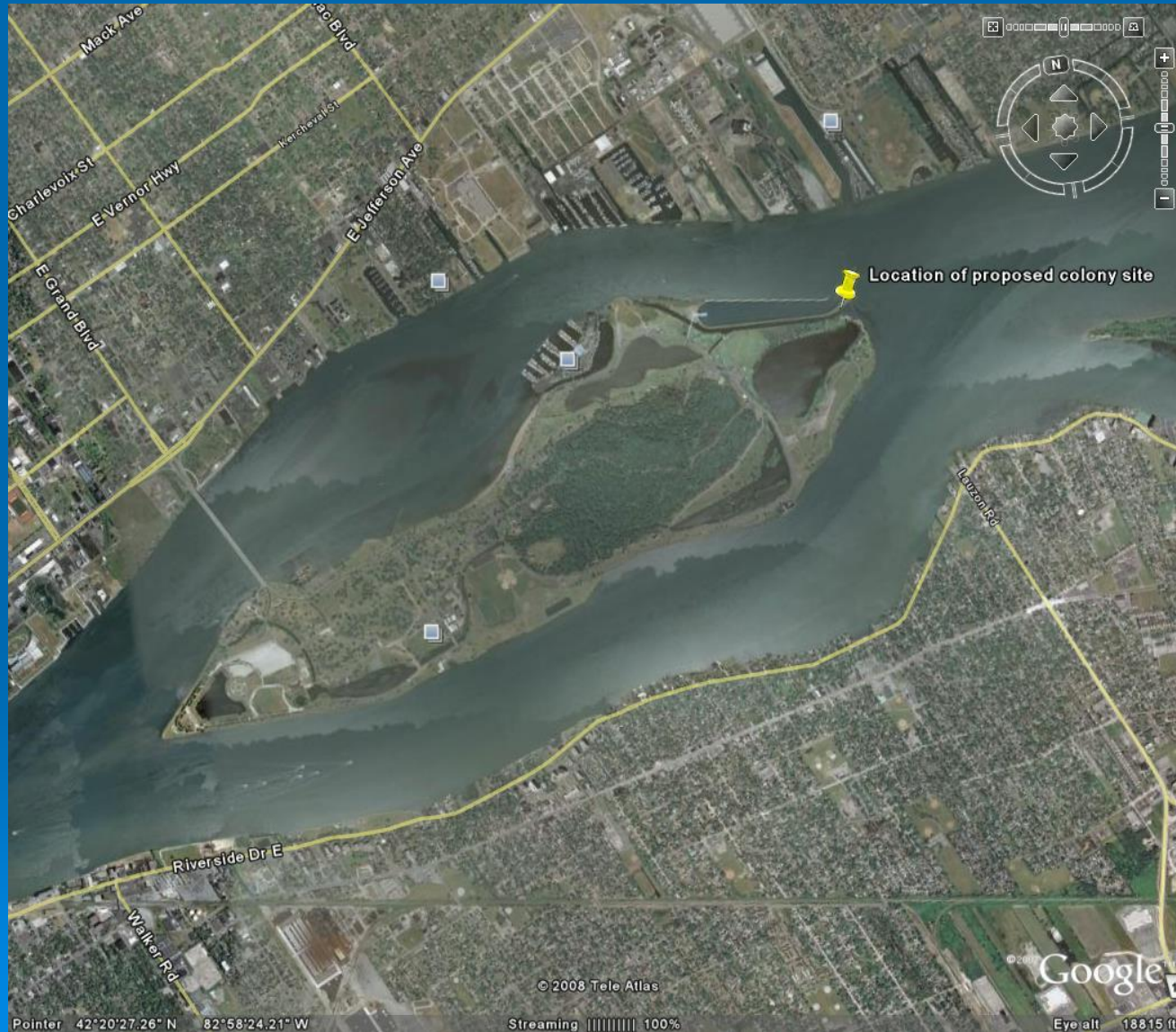
Common Tern Nesting Management



Detroit Water and Sewerage Department



Belle Isle Habitat Project









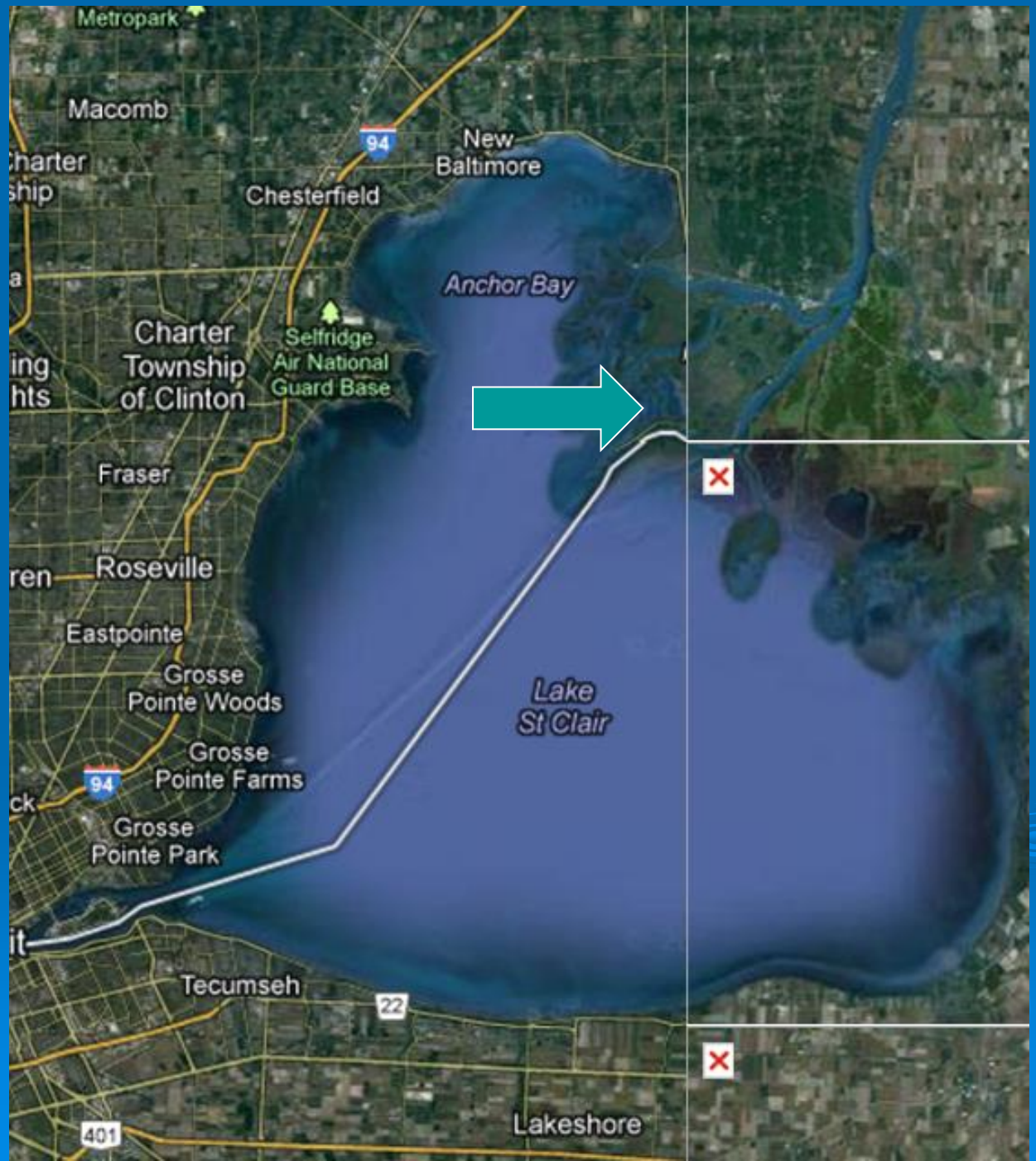




BUSHNELL

5.09.2011 11:08:15

LAKE ST. CLAIR









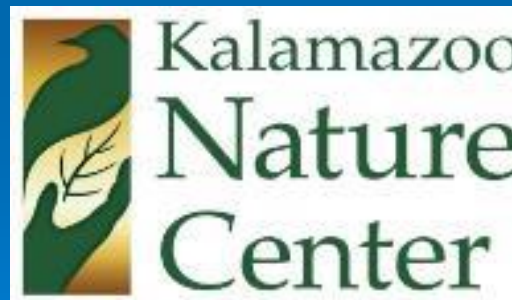








Serve on Coordinating Council



Kirtland Warbler Recovery



Metro Detroit Nature Network

URBAN BIRD TREATY





Urban Bird Treaty Program

Connecting People with Nature through Bird Conservation



USFWS program that brings together citizens, federal, state, and municipal agencies and nongovernmental organizations to conserve birds through habitat conservation, education and outreach, citizen science, survey and monitoring, and hazard reduction efforts.

Brings together and supports **partnerships** of federal, state, and municipal agencies , nongovernment organizations , and academia to achieve:

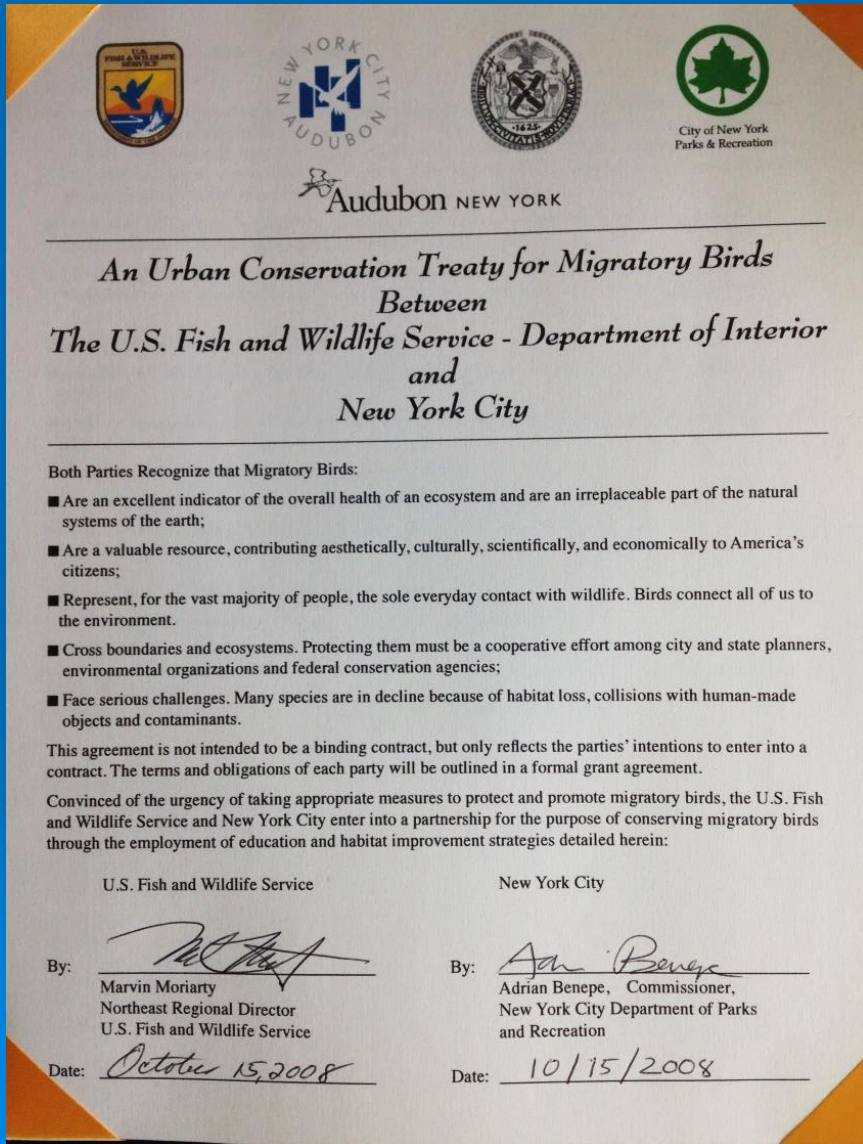
Goals:

1. Conserve urban habitats
2. Reduce urban hazards
3. Educate and engage urban residents in caring for and conserving birds and their habitats.



Urban Bird Treaty – New York City

Connecting People with Nature through Bird Conservation



Signed by:

- FWS Regional Director
- Mayor
- City Commissioner
- Office of Sustainability
- Other Partners

*We help cities and their partners achieve these goals through: treaty city designations and grants
Treaty is a non-regulatory, non-binding document signed by the USFWS and city partners with language that recognizes the importance of migratory birds their habitats, and their conservation.*

Migratory Bird Program - Conserving America's Birds



Goal: Conserve Urban Habitats for Birds

Connecting People with Nature through Bird Conservation

Habitat Restoration



Albuquerque, New Mexico

New Haven, Connecticut

River systems are often important for migrating birds, especially riparian areas which often occur in urban areas.

Migratory Bird Program - Conserving America's Birds



Goal: Educate and Engage Urban Residents

Connecting People with Nature through Bird Conservation

Schoolyard Habitat

Neighborhood Nestwatch



New Haven, Connecticut

Springfield, Massachusetts

Migratory Bird Program - Conserving America's Birds



With the idea that by engaging urban residents and communities in birding and bird conservation, you can do three things:

- Improve urban green spaces and connect people to nature,*
- make a difference for bird populations in decline, and*
- help ensure the future of conservation.*

Good community engagement can do all three, and can be very empowering for the residents involved in projects that really make a difference for birds.

Engaging people in bird-related recreation.

*Schoolyard Habitat in New Haven, Connecticut and
Neighborhood Nestwatch in Springfield, Massachusetts*



Goal: Reduce Urban Hazards to Birds

Connecting People to Nature through Bird Conservation

Every year up to 1 billion birds die from window collisions.



In the U.S. alone, up to a billion birds die each year from collisions with building glass, most are songbirds (estimated to be between 365-988 million birds).

Migratory Bird Program - Conserving America's Birds



29 Urban Bird Treaty Cities

Program Started in 1999

- 1999 - New Orleans, LA
 - Chicago, IL
 - 2015 - New Haven, CT
 - Atlanta, GA
 - By 2009 - Philadelphia, PA
 - Baltimore, MD
 - Houston, TX
 - McAllen, TX
 - Portland, OR
 - Pittsburgh, PA
 - St. Louis, MO
 - Springfield, MA
 - Nashville, TN
 - 2017- Seattle, WA,
 - Anchorage, AK
 - Detroit, MI
 - New York City, NY
-
- 2011 - Phoenix, AZ
 - Kennedale, TX
 - Minneapolis/St. Paul, MN
 - Indianapolis, IN
 - Opelika, AL
 - Hartford, CT
 - Ogden, UT
 - Lewistown, MT
 - San Francisco, CA
 - Washington ,D.C.
-
- 2014 - Albuquerque, NM
 - Denver, CO





These are our current UBT Cities. Program began in 1999 with New Orleans, LA and Chicago, IL designated as the first UBT cities.

Eight UBT cities in R5: New Haven, CT, Baltimore, Pittsburgh, Philly, NYC, DC, Hartford, and Springfield

Over the next 10 years an additional 7 cities were designated, including Philadelphia etc. and received challenge grants for bird conservation activities.

In many cases, they developed Bird Agendas and undertook Bird Safe Building programs and Lights Out programs in addition to other activities.

In 2011, FWS provided challenge grants to an additional 10 cities and again in 2014 another 2 cities

In all cases, grants were directly with city governments and other partners played a role in helping carry out activities.

As of 2015, the granting of money was shifted to the NFWF Five Star program; on the left are the newest cities to the program and received this NFWF grant funds this past summer. Has a number of advantages which I will get to in a second.

This year Seattle, Springfield, MA and Detroit joined the network.



Urban Bird Conservation

Connecting People to Nature through Birds

By engaging people in bird recreation, science, and stewardship, we can:

- Help conserve bird populations
- Improve quality of life for urban residents
- Create connected conservation communities
- Ensure the future of conservation



Urban Bird Conservation

Connecting People to Nature through Birds

Urban Bird Treaty Program

www.fws.gov/birds/grants/urban-bird-treaty.php

Five Star and urban Waters Restoration Grant Program

<http://www.nfwf.org/fivestar/Pages/home.aspx>

International Migratory Bird Day! www.birdday.org

Here are links to web site resources to plan your proposal activities.

Thank you!



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www.fws.gov/birds/grants/urban-bird-treaty.php

www.fws.gov/birds

 USFWS_MigratoryBirds

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U.S. Fish and Wildlife Service
Migratory Bird Program
Conserving America's Birds



Recovering America's Wildlife Act

House Bill 4647

Dingle (MI), Forenberry (NE)



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