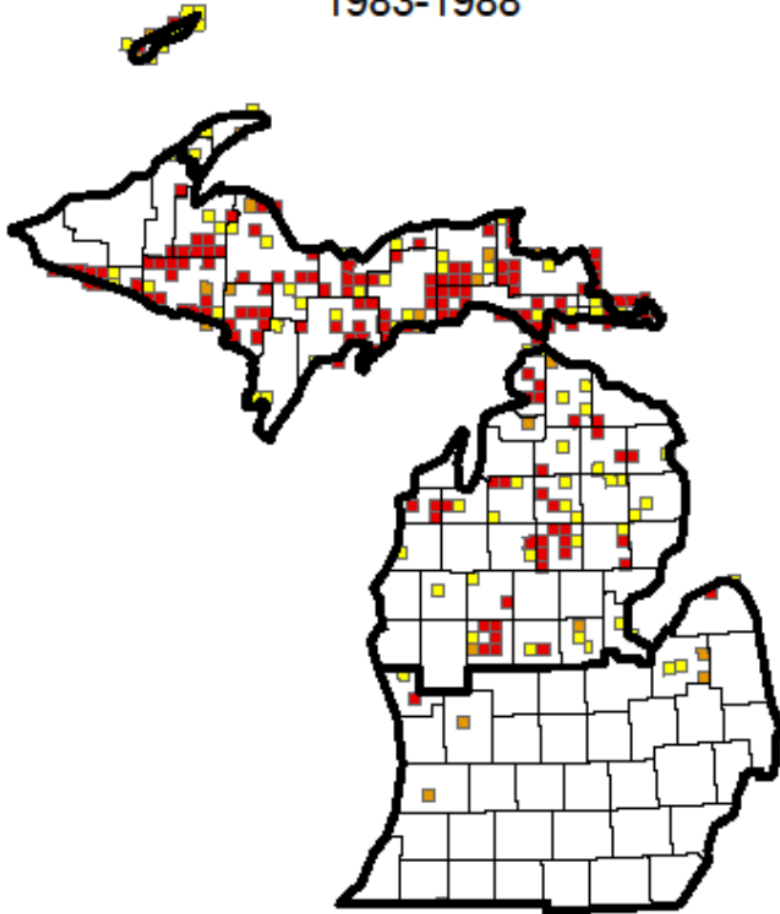


Osprey in Southeast Michigan; Adaptable Birds to an Urban Environment



Atlas I
1983-1988

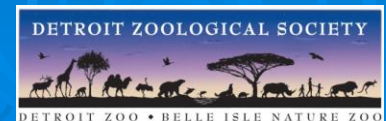


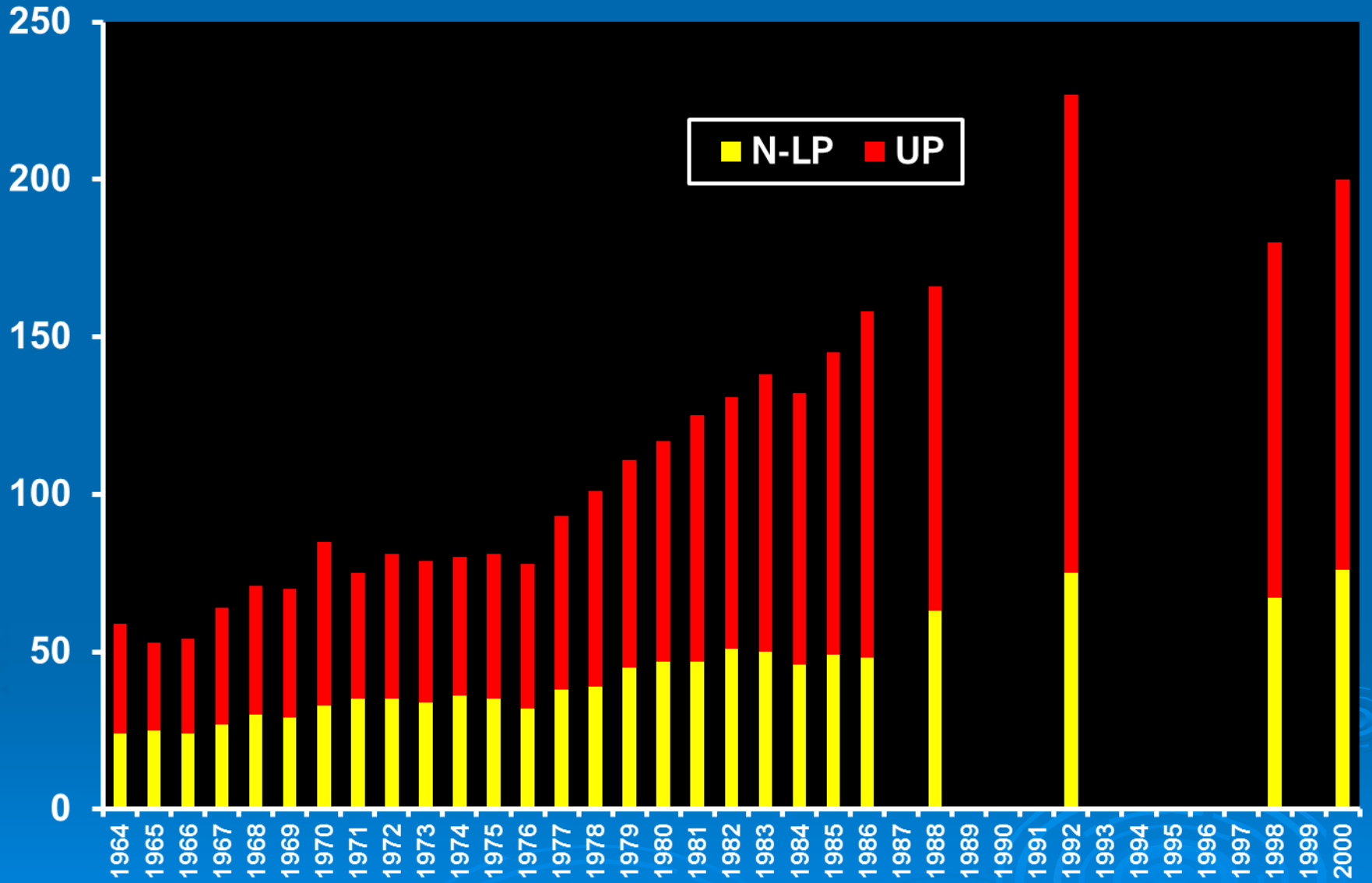
Yellow Possible Orange Probable Red Confirmed

2009. Kalamazoo Nature Center. Compiled using MBBA I and MBBA II data in Oblique Mercator Hotline Projection, on PLSS Township file provided by MIDNR.

Osprey Breeding Populations in Michigan had a “Northern Distribution”

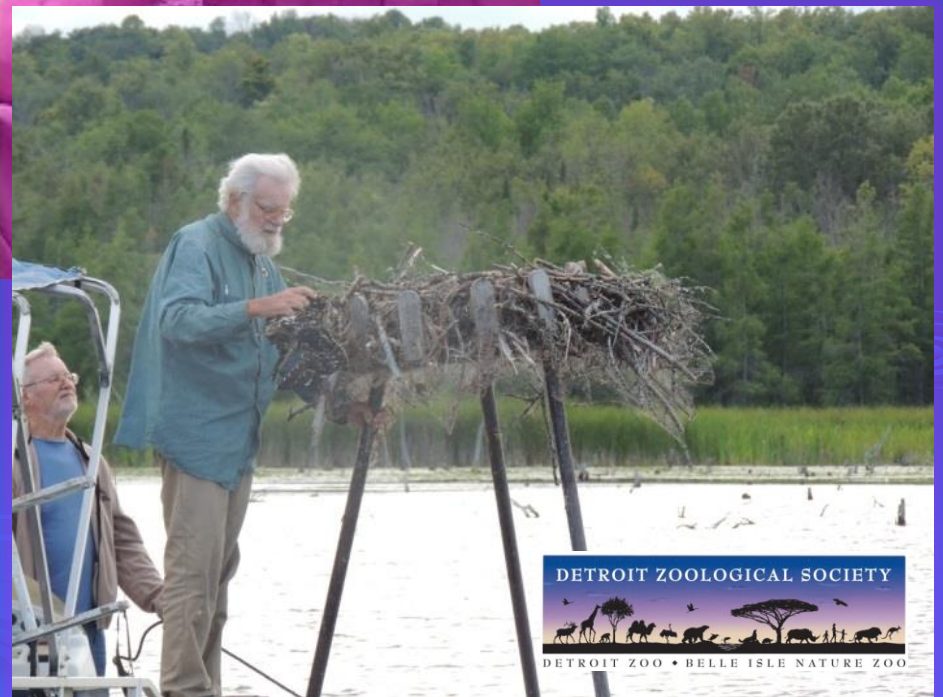
First documented nest in Kalamazoo County in 1999

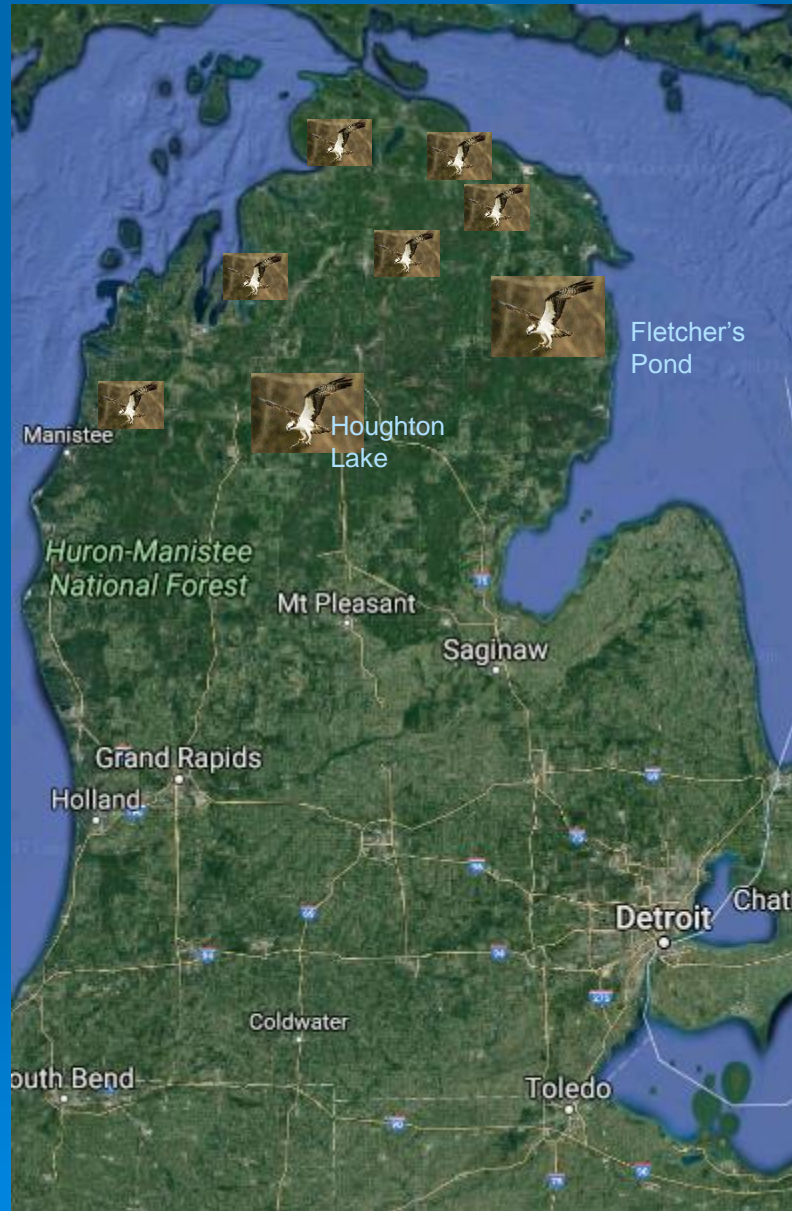






Sergej Postupalsky

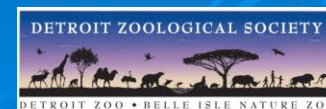




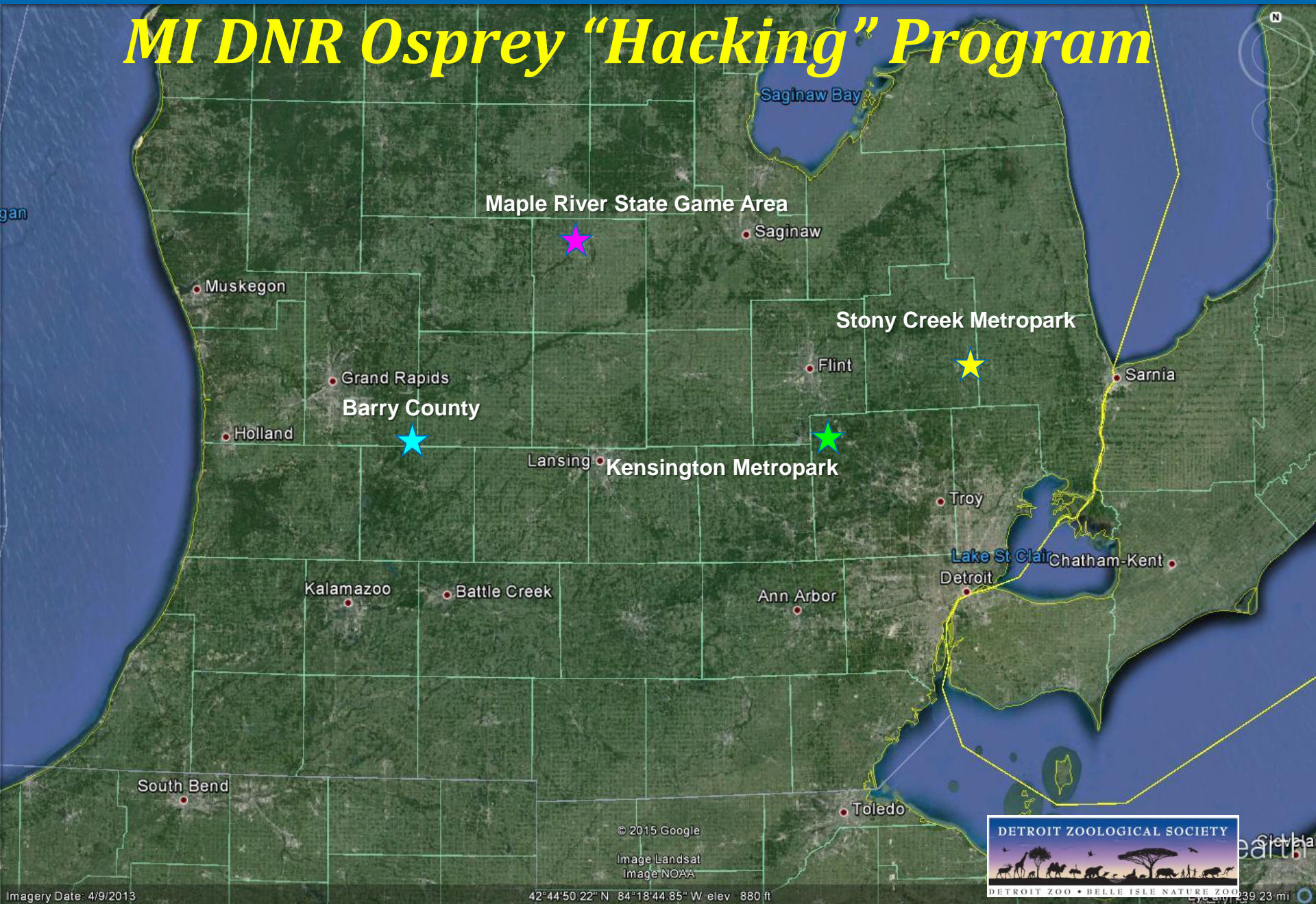


OSPREY TRANSLOCATION

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



MI DNR Osprey "Hacking" Program



MI DNR Osprey "Hacking" Program

Year	Maple River SGA	Barry County	Kensington MetroPark	Stony Creek MP
1998	4		4	
1999	6		6	
2000	5		6	
2001			6	
2002			2	
2003		3		4
2004		2		4
2005		2		3
2006				4
2007				4
Total	15	7	24	18

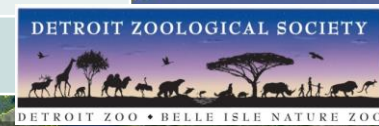


Image NOAA

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

Imagery Date: 4/9/2013

Eye alt r 239.23 mi



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2003 8 13





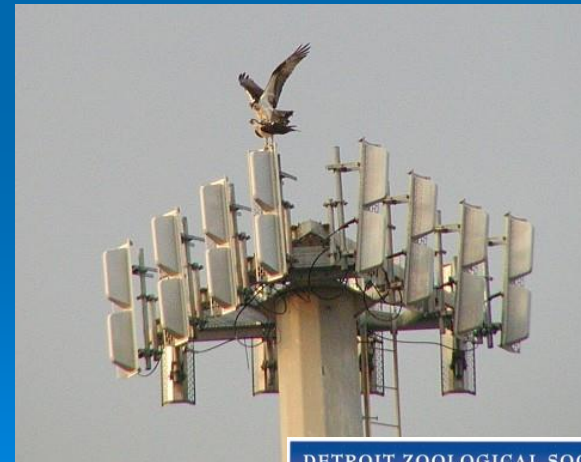




- 2001 – Ospreys observed, no nesting.
- 2002 – First known nest in SE Michigan
- C9 nested at Wildwing Lake.



- 2003 – Two nests; four chicks.
- 2004 – Three nests five chicks.
- 2003 - Hacking was moved to Stoney Creek.
- OWSEM formed.
- Birds began utilizing cell towers.



- 2005 Five nests; nine chicks
- 2006 Eight nests; twelve chicks
- 2007 Thirteen nests; 23 chicks
 - last year of release.

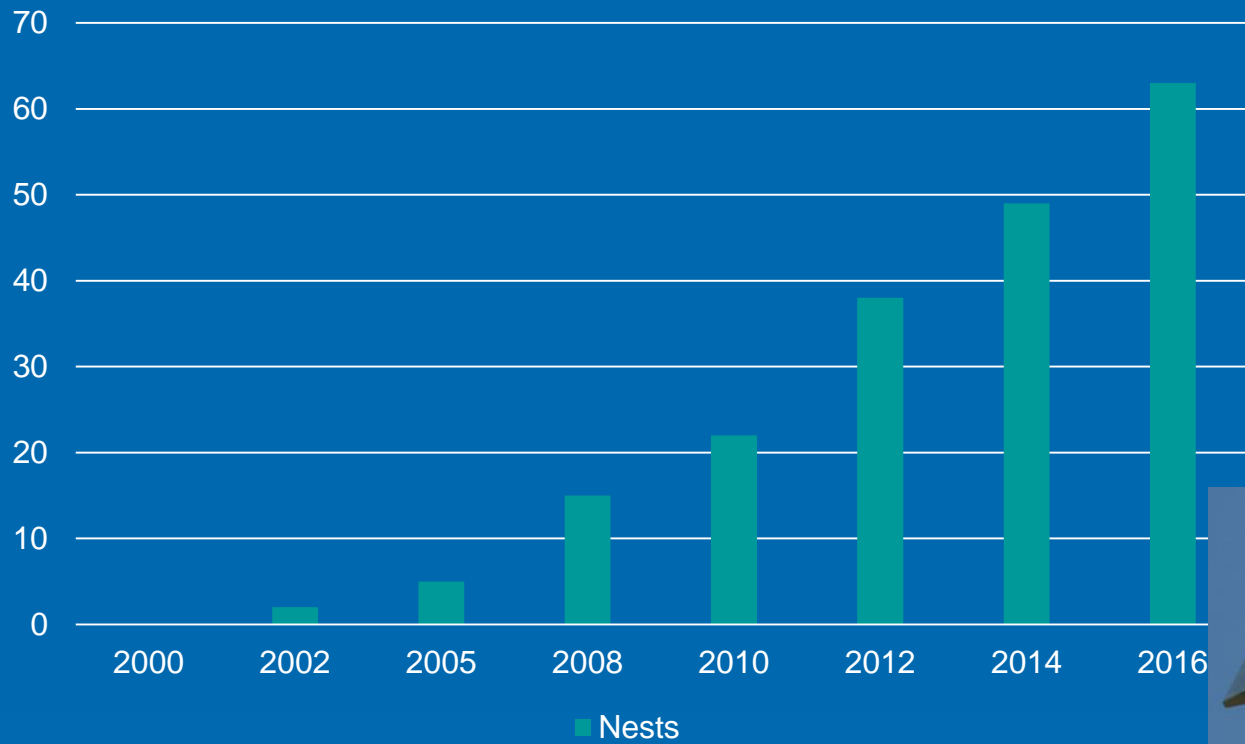




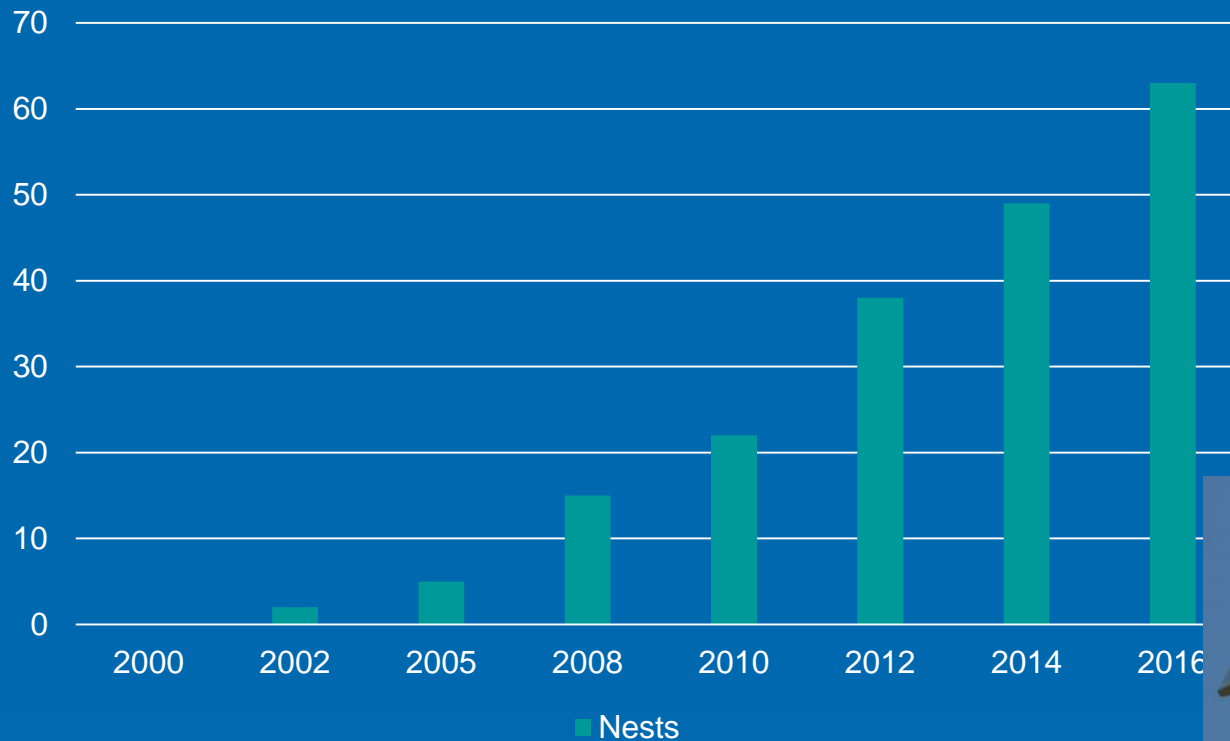
2008 – 2012 Monitor nests and band chicks



SE Michigan Nests



Southern Michigan Nests



Establish 30 breeding pairs in southern MI by 2020

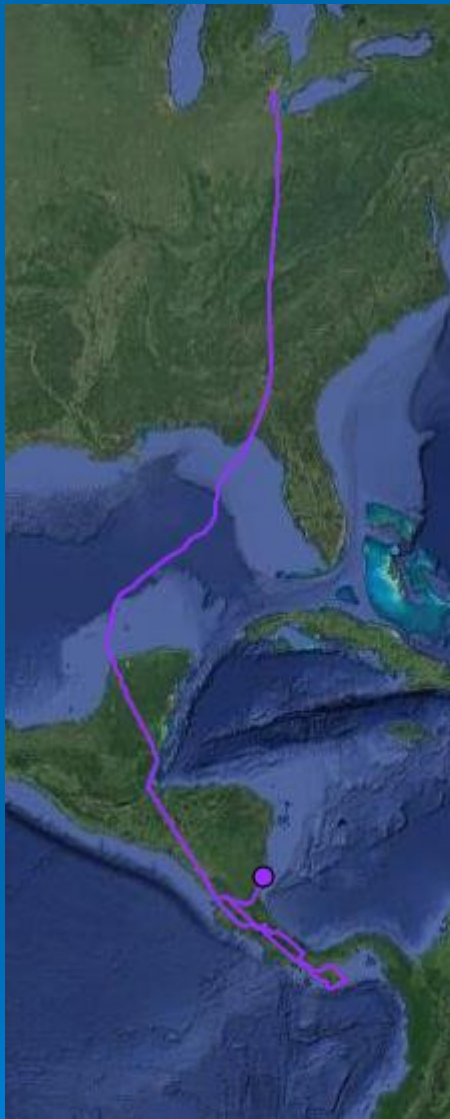


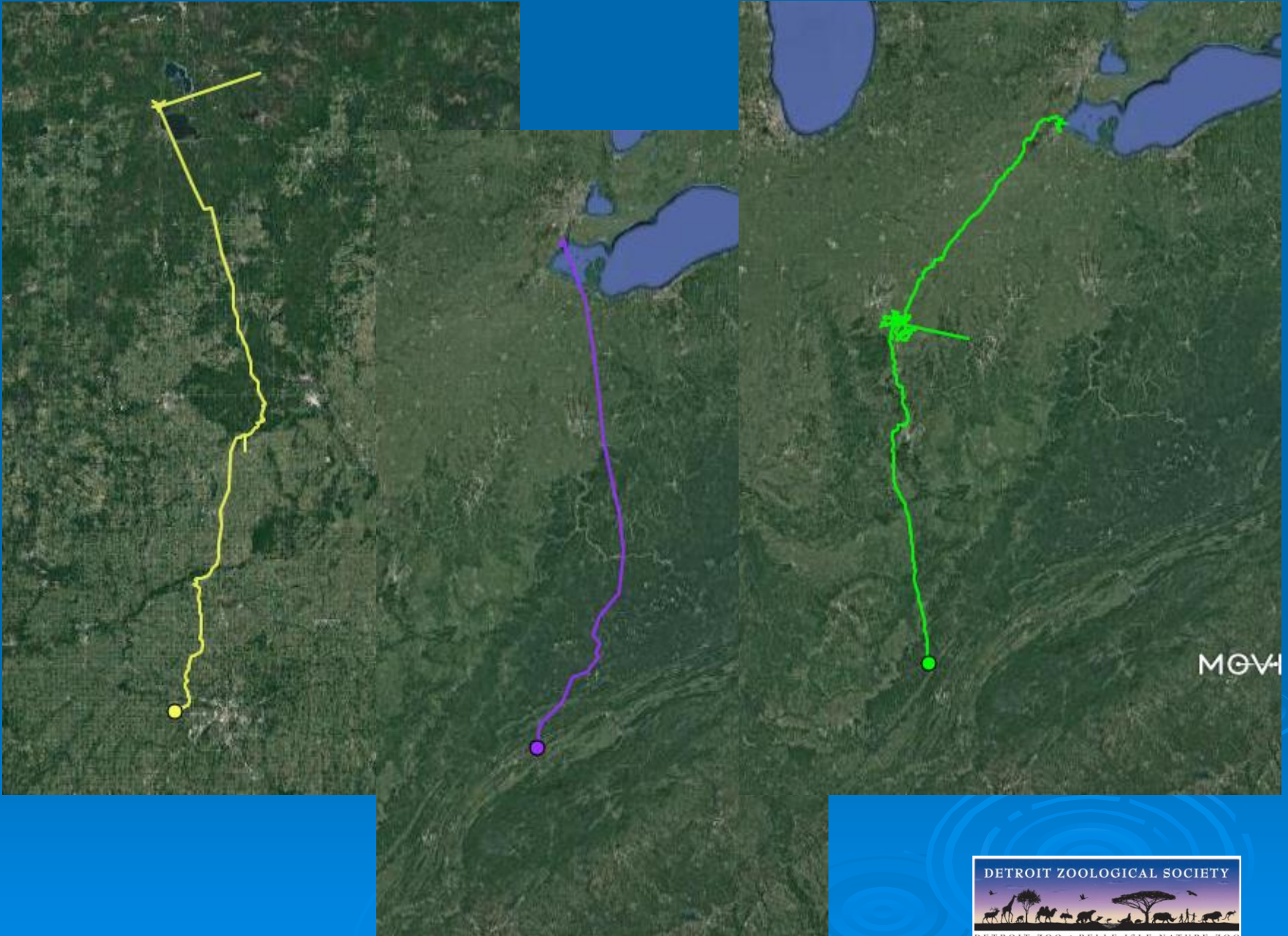
2013-2017

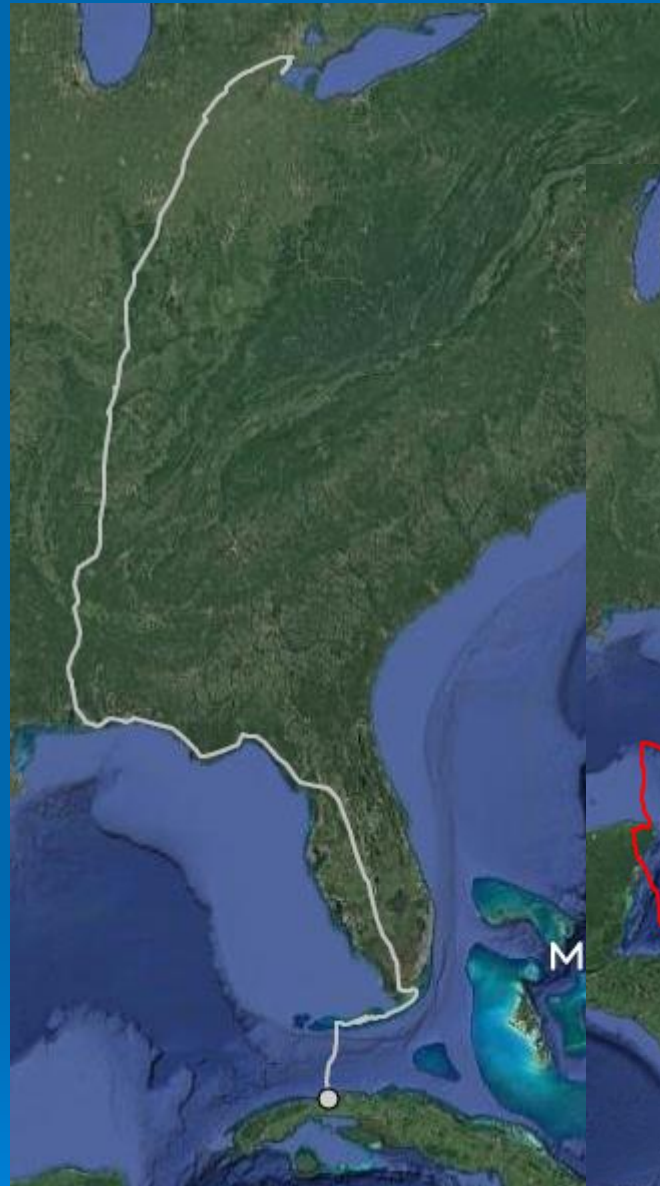
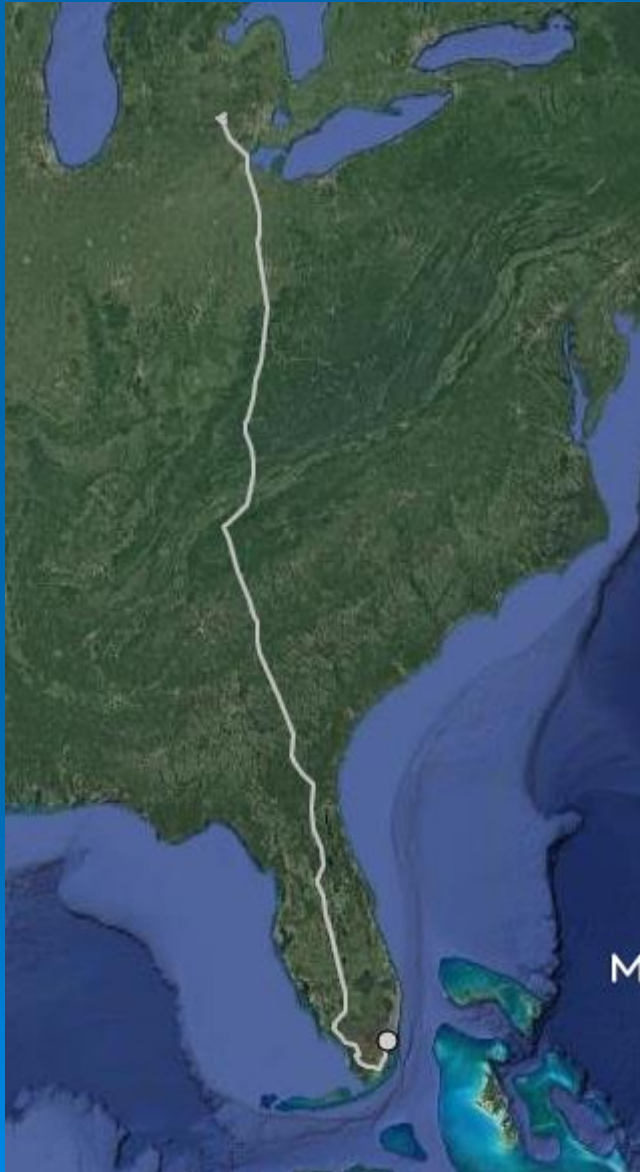


Satellite telemetry

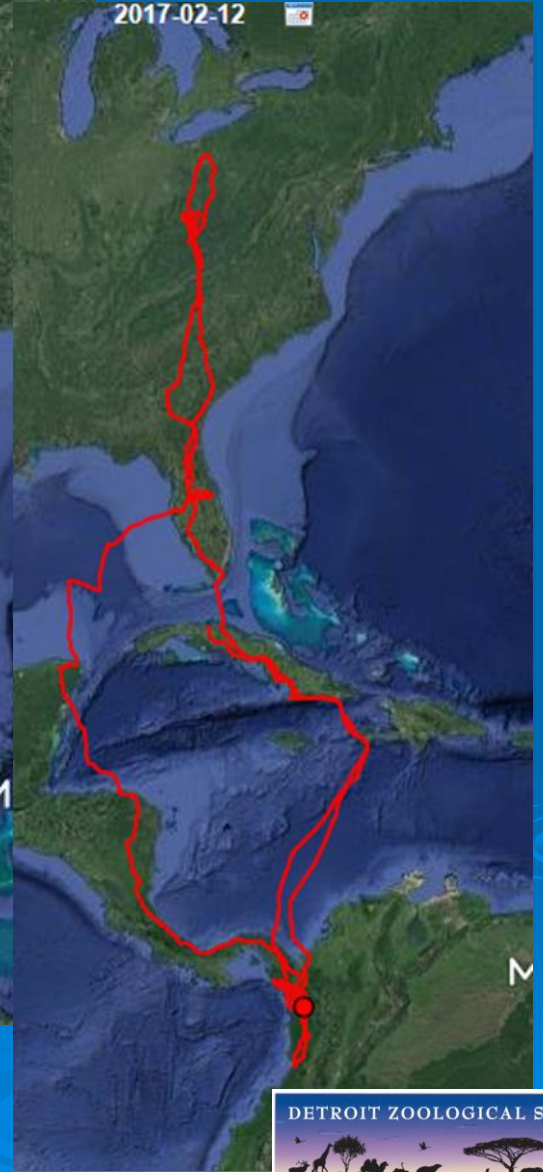








2017-02-12



2017

➤ Expanded monitoring efforts.

County	Pairs
Wayne	8
Macomb	2
Oakland	19
Livingston	14
Washtenaw	5
Monroe	7
St. Clair	1

2017

➤ Expanded monitoring efforts.

County	Pairs
Wayne	8
Macomb	2
Oakland	19
Livingston	14
Washtenaw	5
Monroe	7
St. Clair	1
Genessee	2
Hillsdale	1
Ingham	1
Jackson	2

2017

➤ Expanded monitoring efforts.

County	Pairs
Wayne	8
Macomb	2
Oakland	19
Livingston	14
Washtenaw	5
Monroe	7
St. Clair	1
Genessee	2
Hillsdale	1
Ingham	1
Jackson	2

County	Pairs
Gratiot	3
Clinton	1
Ionia	3
Kent	2
Barry	3
Allegan	2
Kalamazoo	3

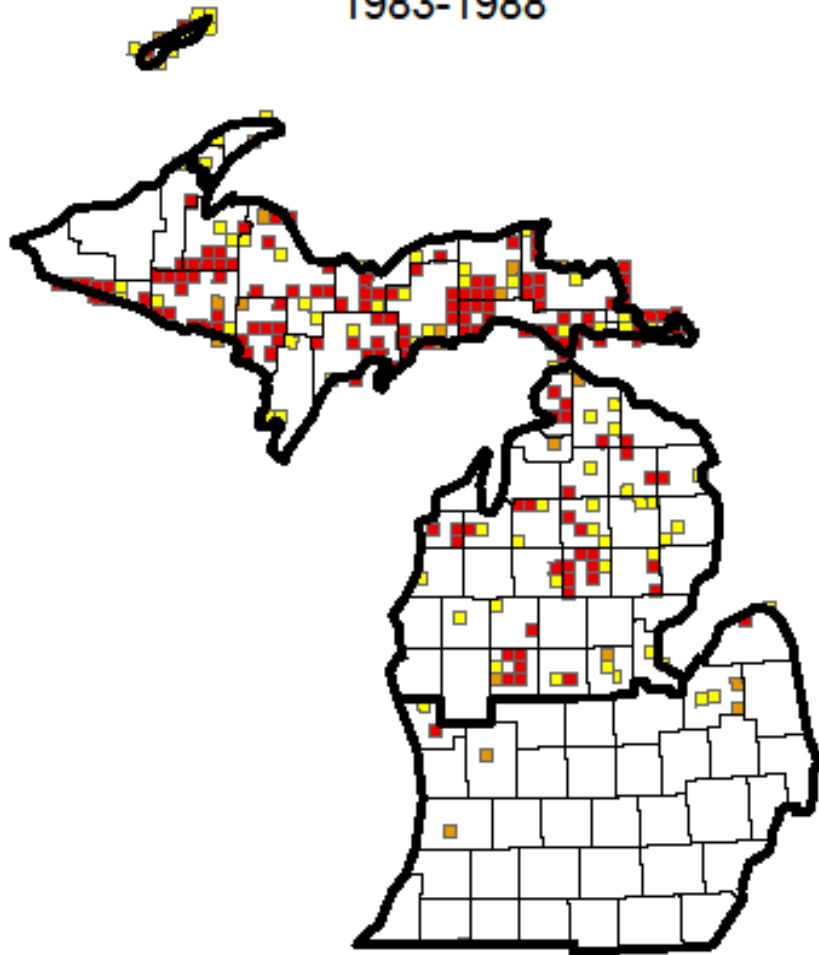
2017

➤ Expanded monitoring efforts.

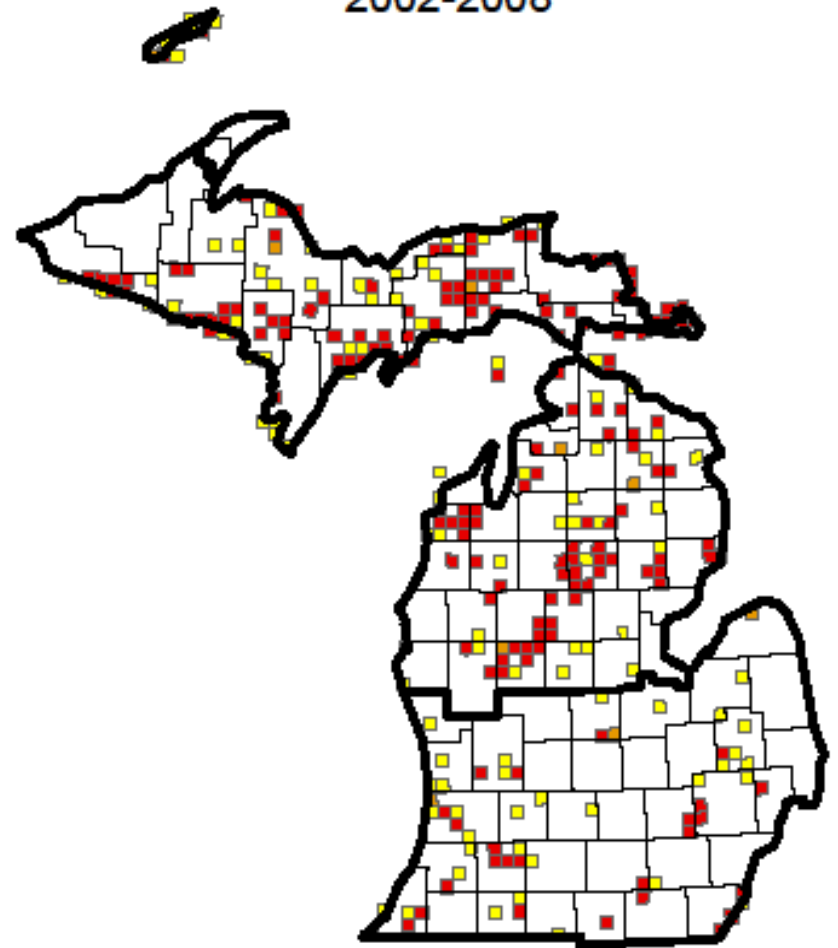
County	Pairs
Wayne	8
Macomb	2
Oakland	19
Livingston	14
Washtenaw	5
Monroe	7
St. Clair	1
Genessee	2
Hillsdale	1
Ingham	1
Jackson	2



County	Pairs
Gratiot	3
Clinton	1
Ionia	3
Kent	2
Barry	3
Allegan	2
Kalamazoo	3
Houghton Lake	13
Fletcher Pond	11
Presque Isle	3
Otsego County	3

Atlas I
1983-1988



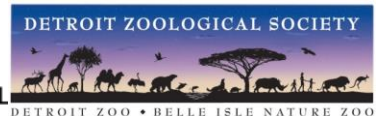
Atlas II
2002-2008



 Possible  Probable  Confirmed

2009. Kalamazoo Nature Center. Compiled using MBBA I and MBBA II data in Oblique Mercator Hotline Projection, on PLSS Township file provided by MIDNR.

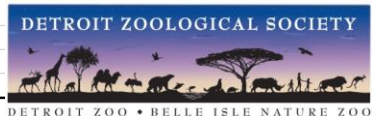
0 30 60



Species mapped by Township/Range

Going Forward

- Monitor osprey across lower Michigan
- Standardize the citizen science program
 - Work with current monitors and recruit new participants
 - Visit each nest three times
 - Improve consistency in data collection
 - Identify nest sites across lower peninsula

OSPREY NEST MONITORING DATASHEET	
Date: __ / __ / __	Location Name: Grayling South
Start Time: __ : __	GPS Coordinates: 44°38.349', 84°41.971'
End Time: __ : __	Address: _____
Observer(s): _____	_____
Nest Located On: _____	
Directions/Cross Roads	
Cell tower off of I-75 on south end of town. Take M-72 east of off Business 75 Go south on first street past I-75 overpass. Go to end of road.	
<i>Describe all of what you observe:</i>	
<u>Nest:</u>	
<u>Adults:</u>	
<u>Eggs:</u>	
<u>Chicks / Fledglings:</u>	
	
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ADDITIONAL COMMENTS:	

