

# Smallmouth Bass in the Great Lakes

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# Great Lakes Smallmouth Bass Populations

**Distribution**

**CPUE**

**Growth**

**Recruitment**

**Movement**

**Harvest**



# Great Lakes Smallmouth Bass Population



# SMB populations in GLs



# Characteristics of SMB populations in GLs

## Habitat

Shallow, coastal areas

Islands

Protected embayments

- Natural
- Manmade

Corridors between lakes

Rocky substrate

Warm/cool water areas



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## Population

Populations fluctuate

Fairly stable recruitment

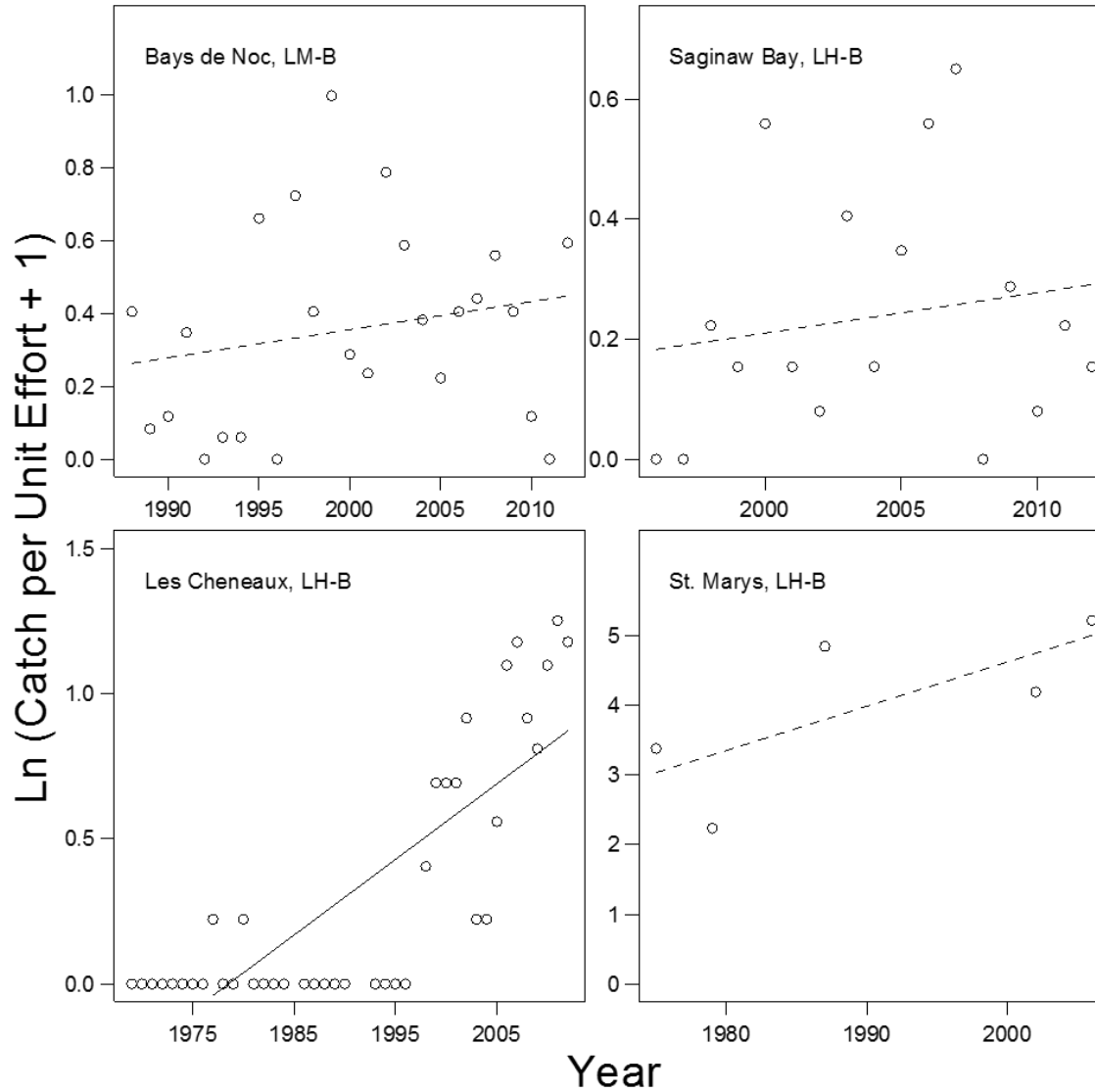
Multiple age classes

Fast growing

Large maximum size

Good condition

# Catch per unit effort - Increasing



# Michigan Statewide Regulations

Minimum Size	Daily Bag	Location	Season
14	5	St. Clair System	3 <sup>rd</sup> Sat of June to Dec. 31
		All Great Lakes	Sat. before Mem. Day to Dec 31
		Within 1 mile of Beaver Islands	July 1 to Dec 31

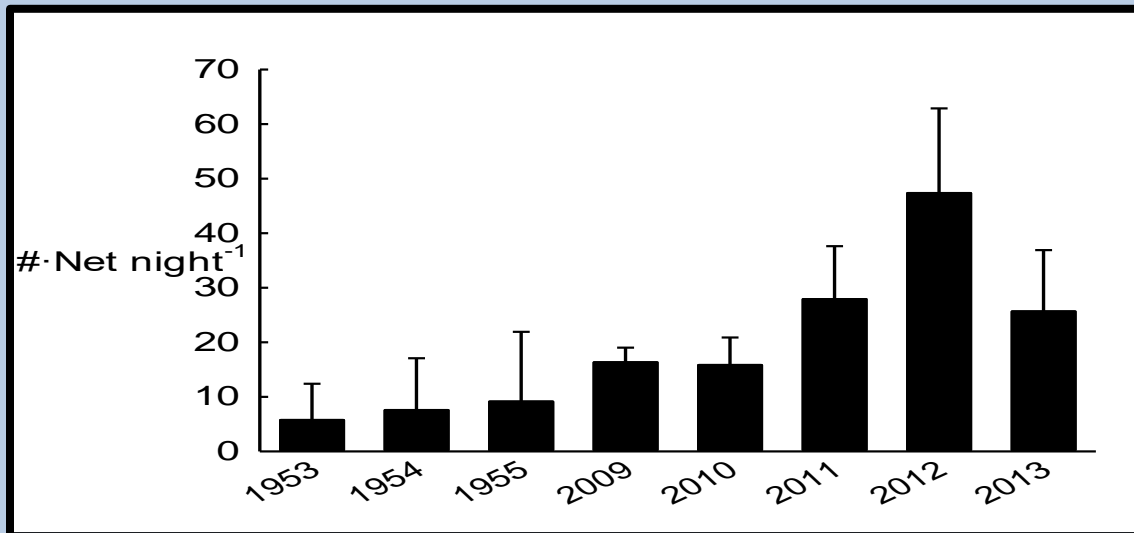
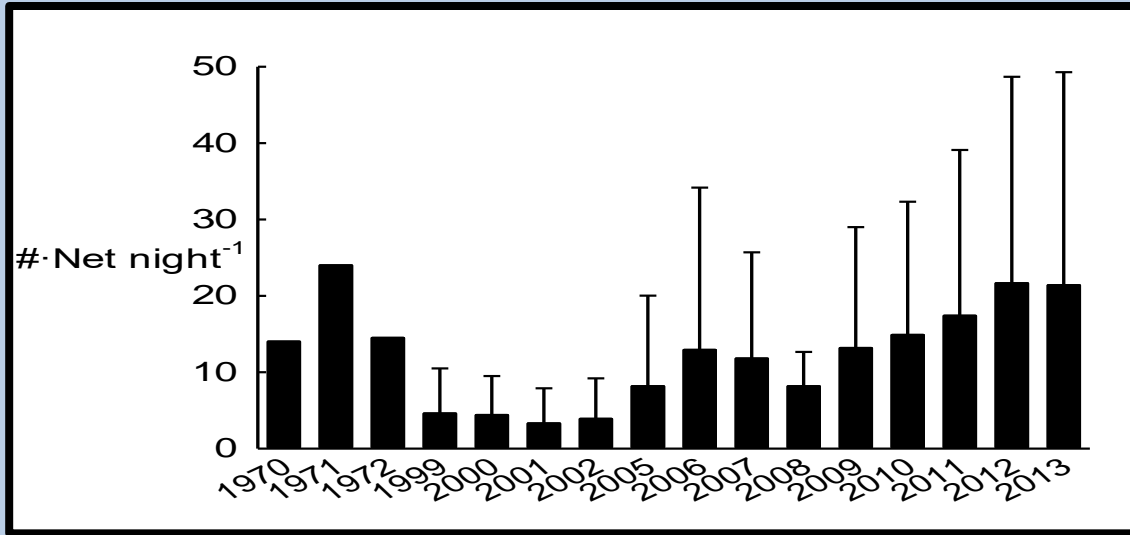




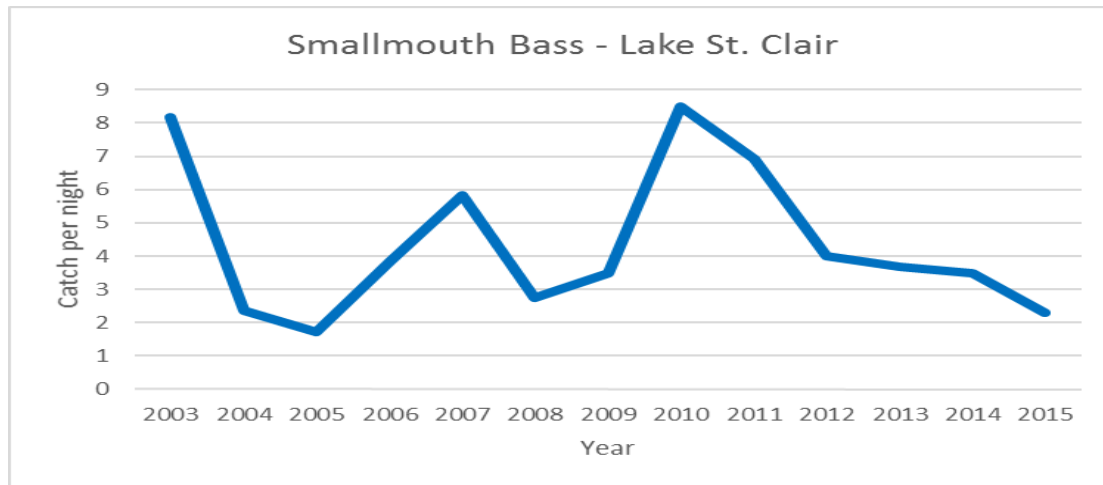
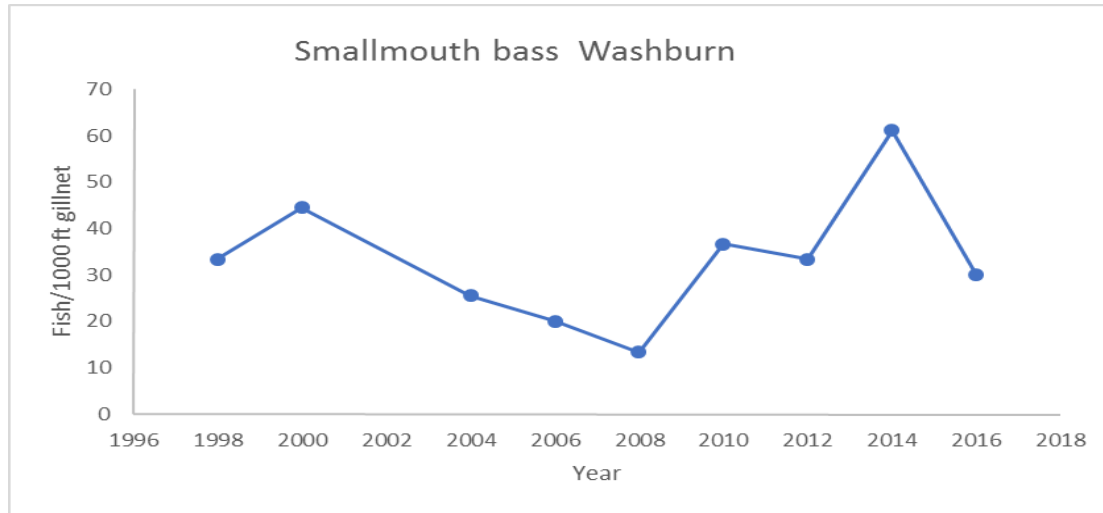
## Statewide Regulations - MI

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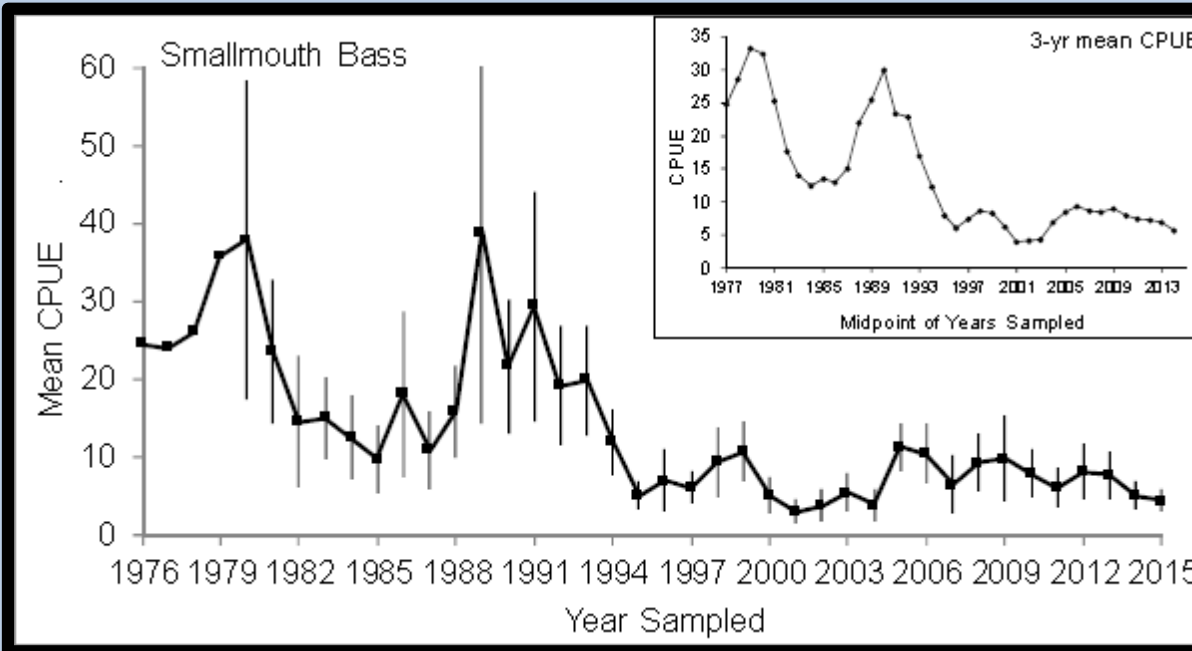
# Catch per unit effort – Increasing/Stable



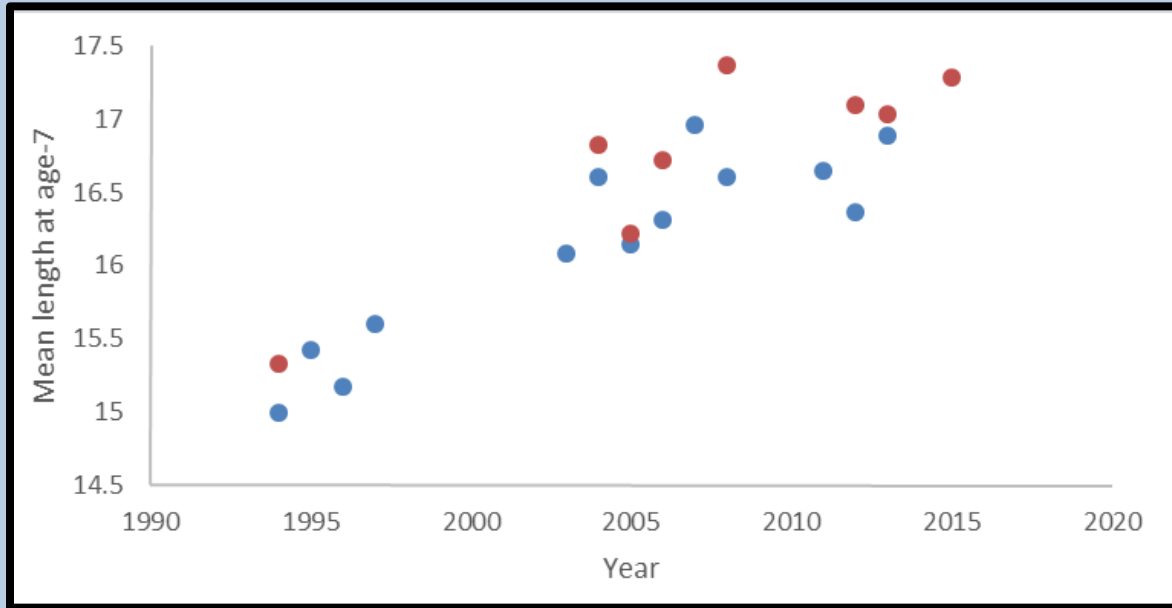
# Catch per unit effort - Stable



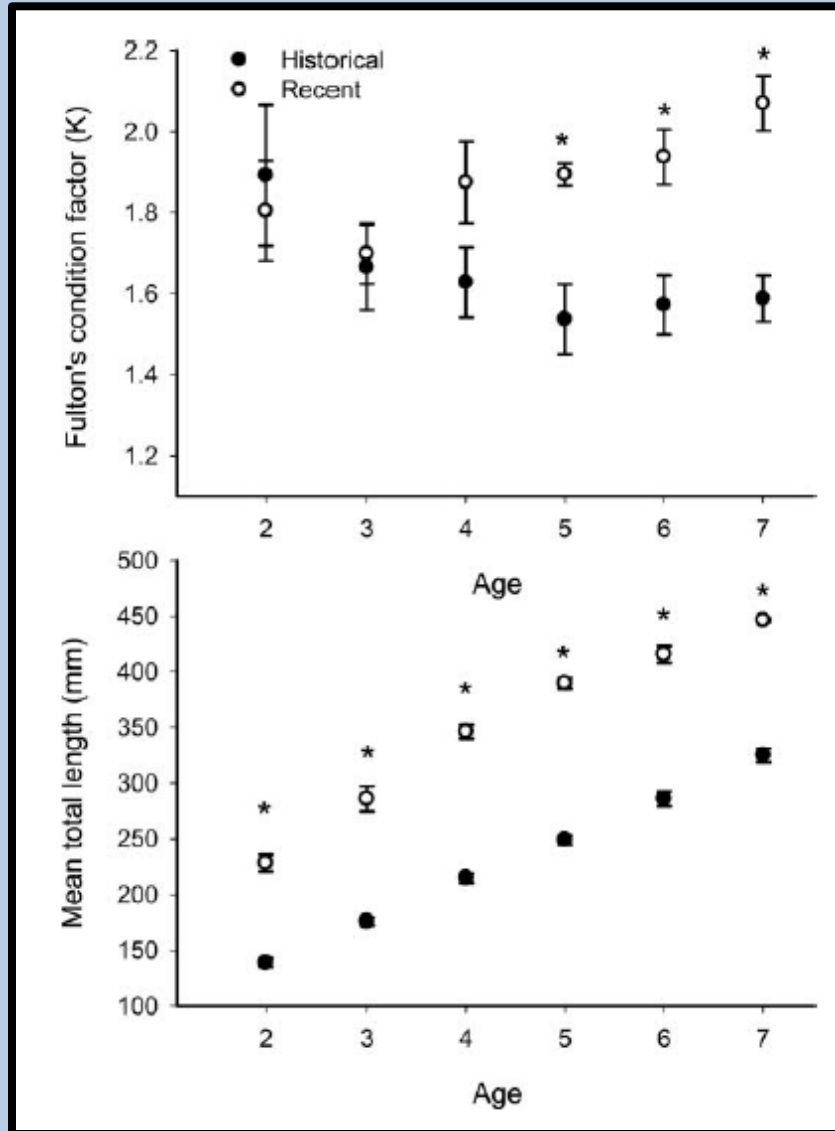
# Catch per unit effort - Declining



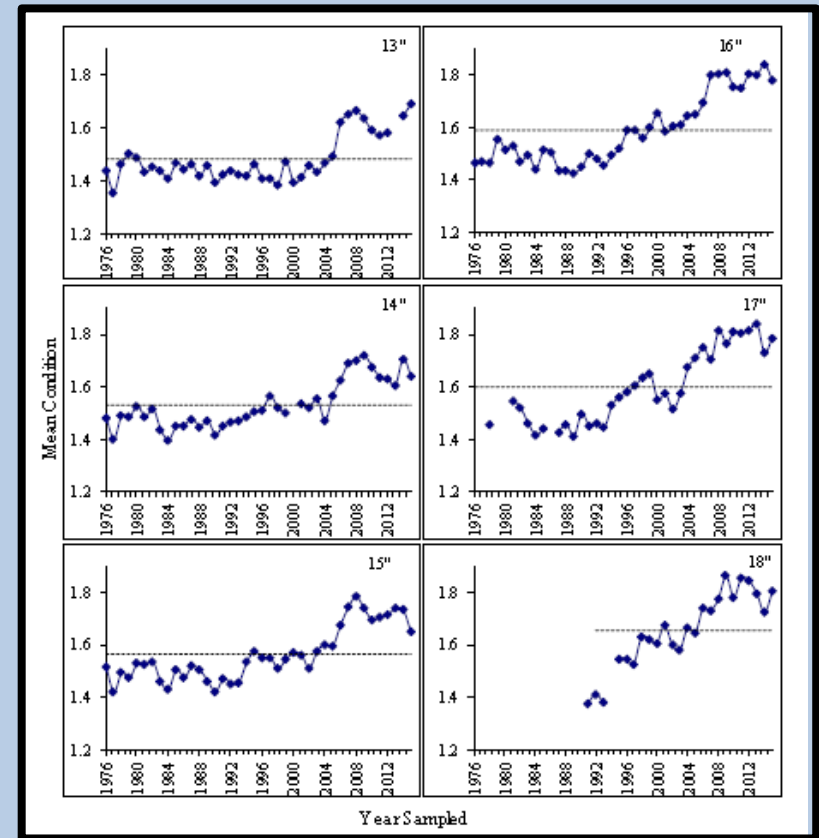
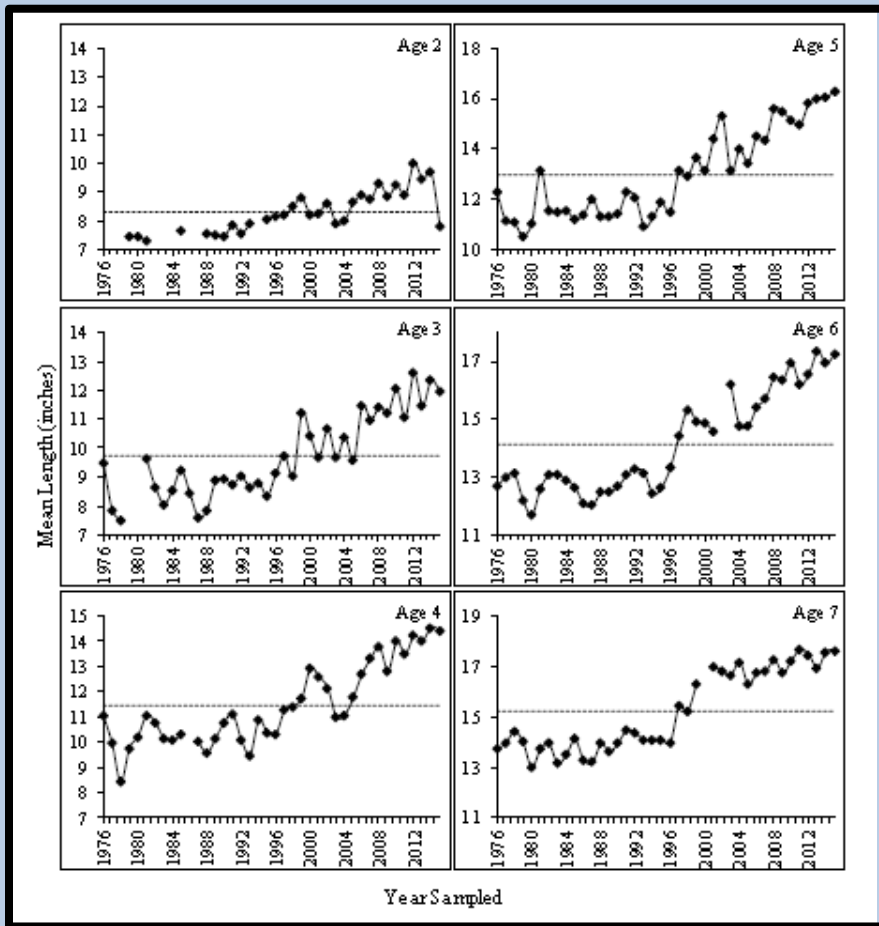
# Growth – Chequamegon Bay



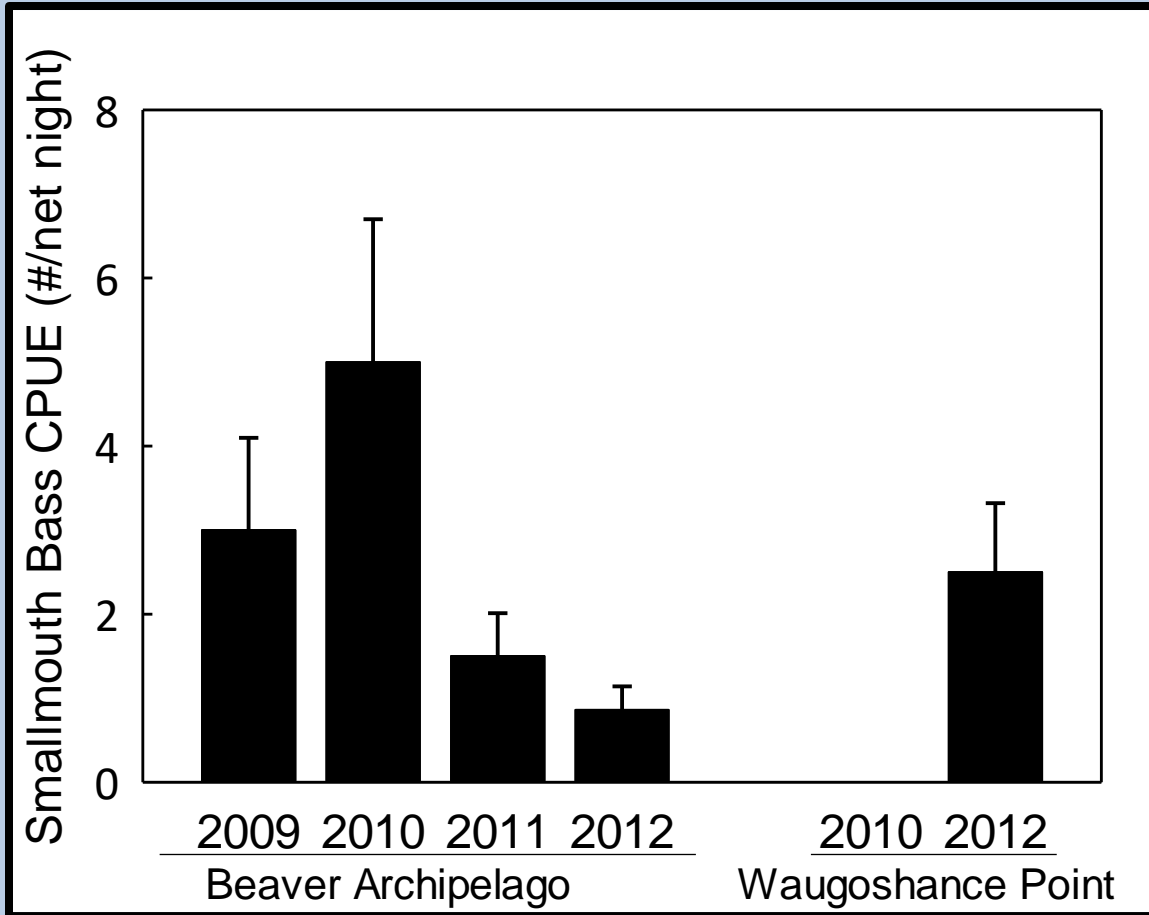
# Growth - Beaver Islands



# Growth – Lake Ontario

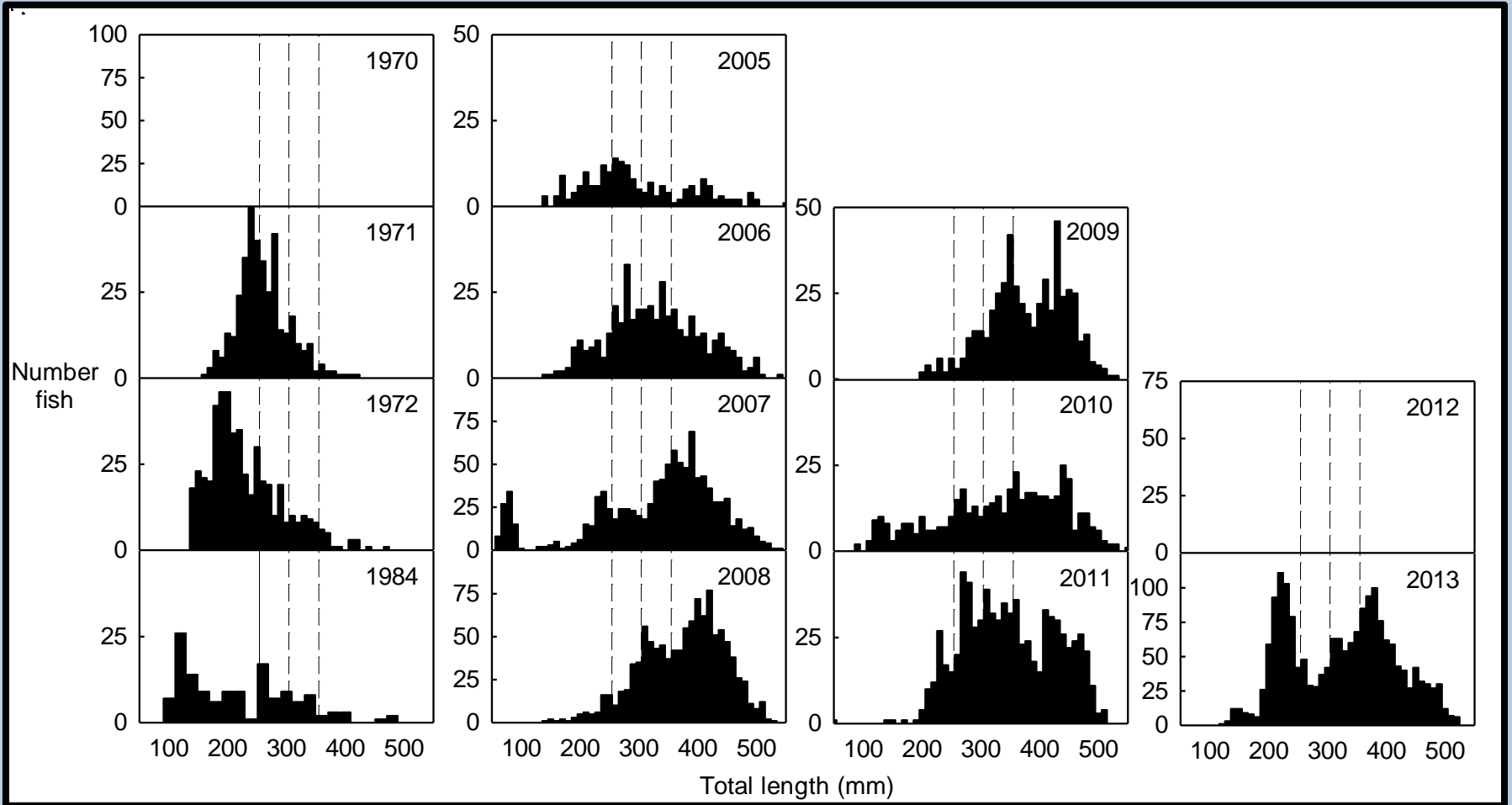


# Recruitment – Beaver Islands

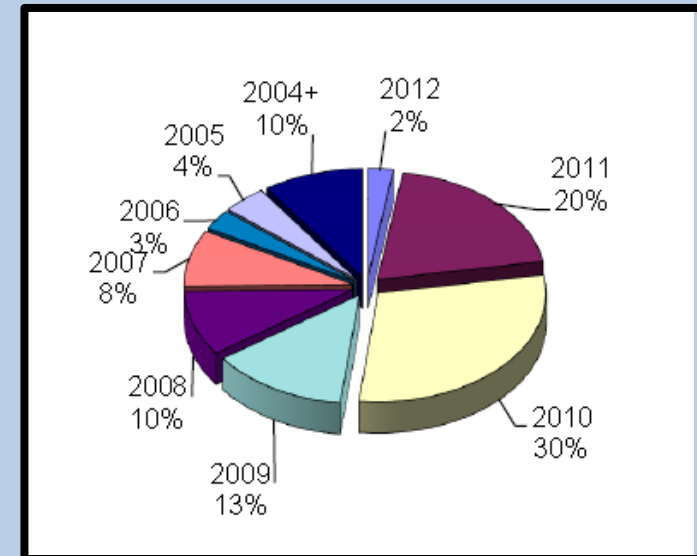
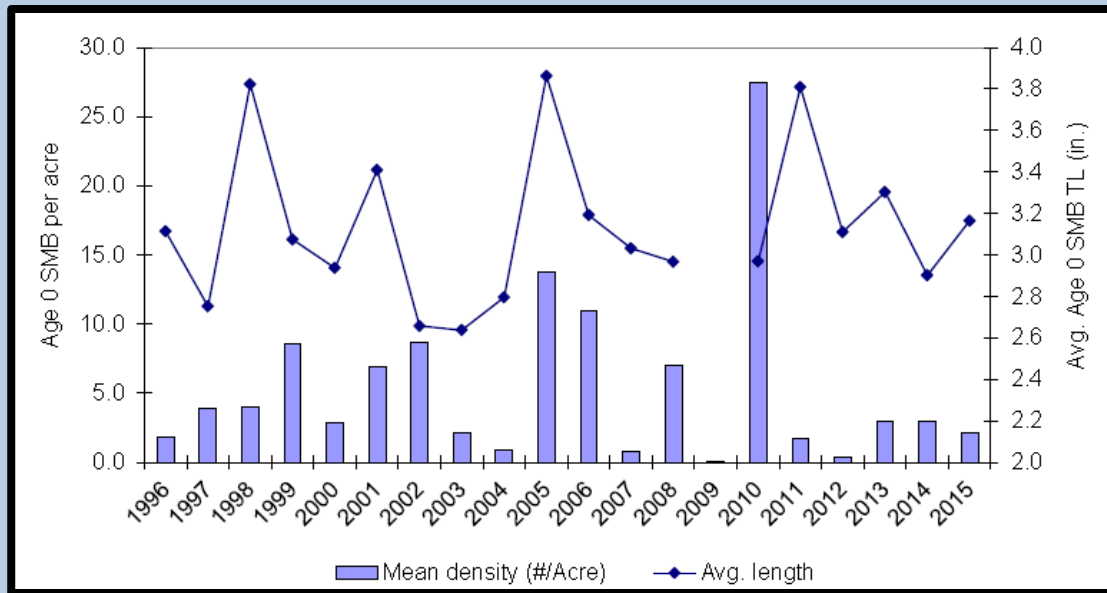




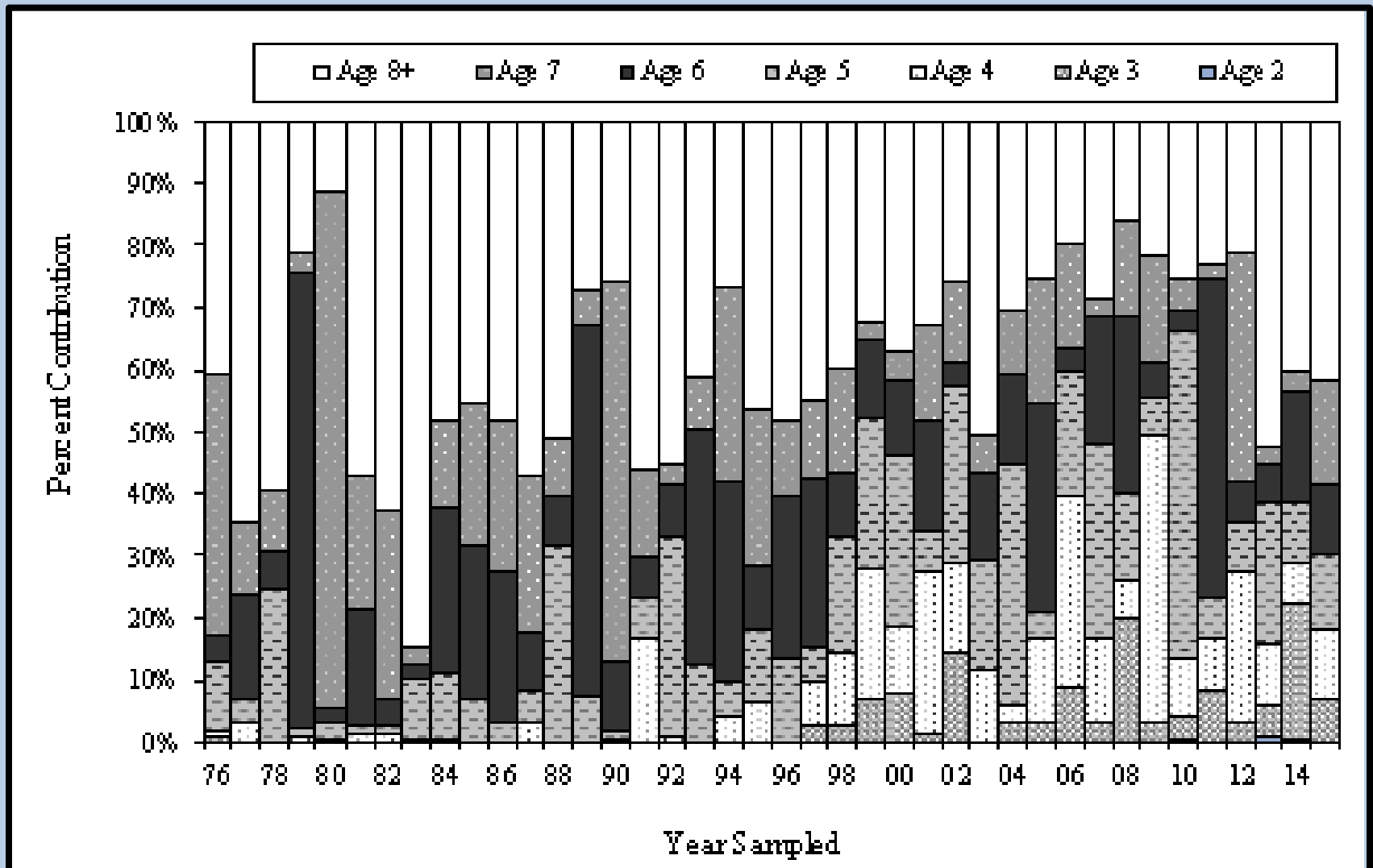
# Recruitment – Beaver Islands



# Recruitment – Lake St. Clair



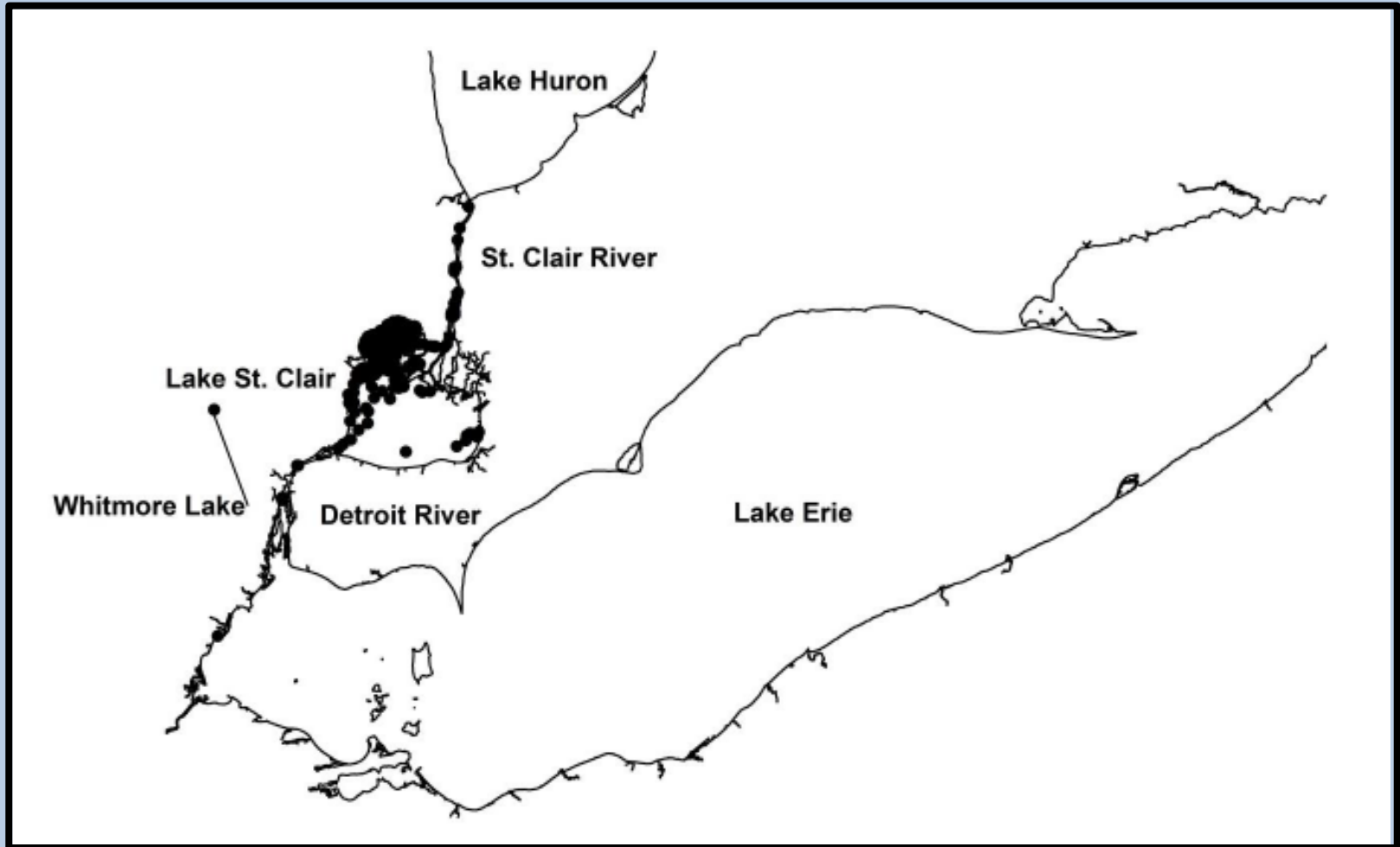
# Recruitment – Lake Ontario



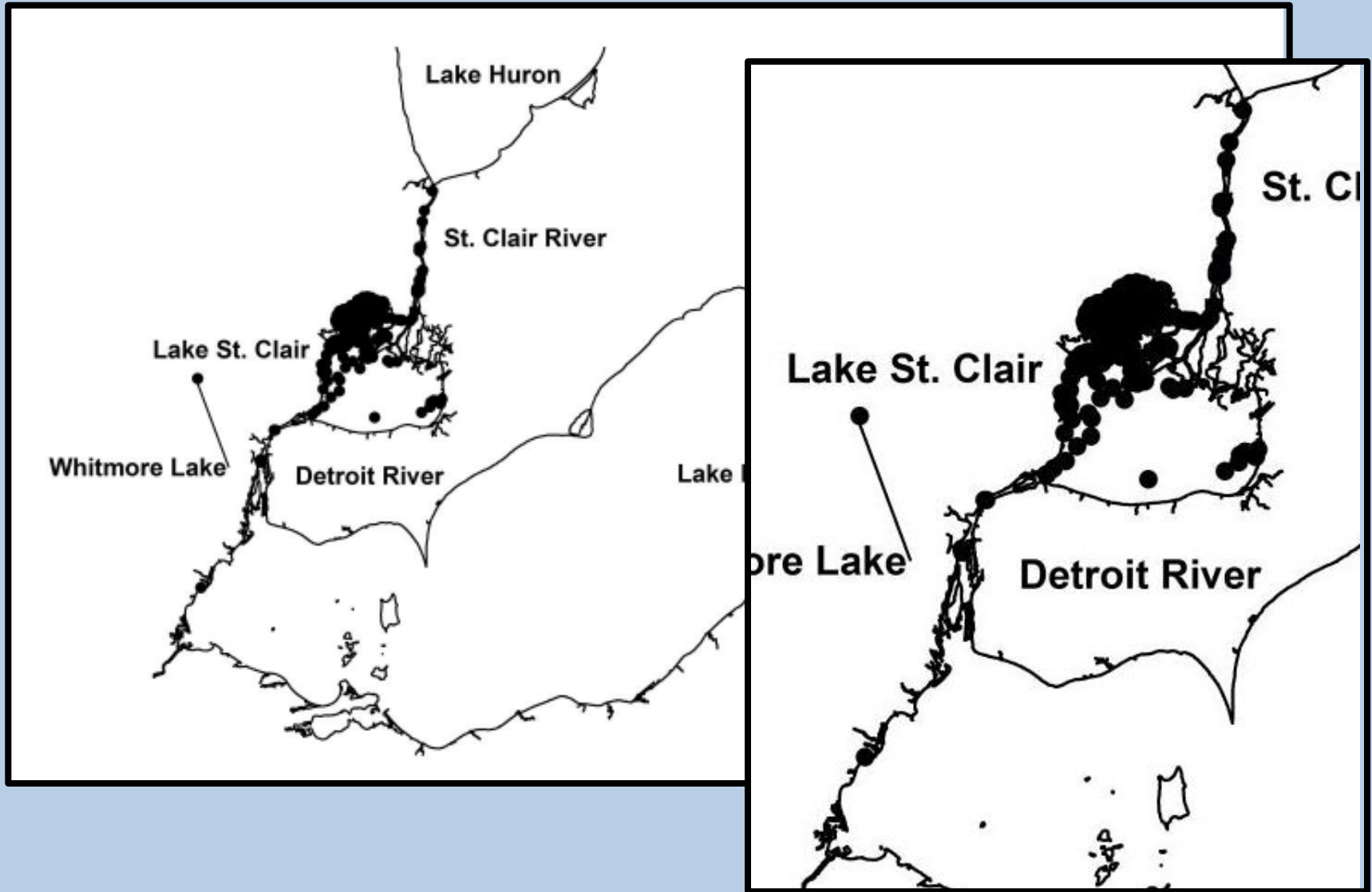
# Movement – Beaver Islands

Location	Size (ha.)	Max (km)	Min/day (m)	Study
Green Lake, Maine	1209	2.4	590	Cole and Moring, 1997
Lake Sammamish, Washington	2000	4.8	n.a.	Pflug and Pauley, 1983
Melton Hill Reservoir, Tennessee	2270	3.5	1,925	Bevelhimer, 1995
Lake Opeongo, Ontario	5860	9.1	n.a.	Ridgway and Shuter, 1996
Meredith Reservoir, Texas	6447	6.5	n.a.	Kraai et al., 1991
Lake Michigan	5,780,000	148.1	n.a.	Latta, 1963
Lake Michigan	5,780,000	59.0	658	This study (2007 & 2008)

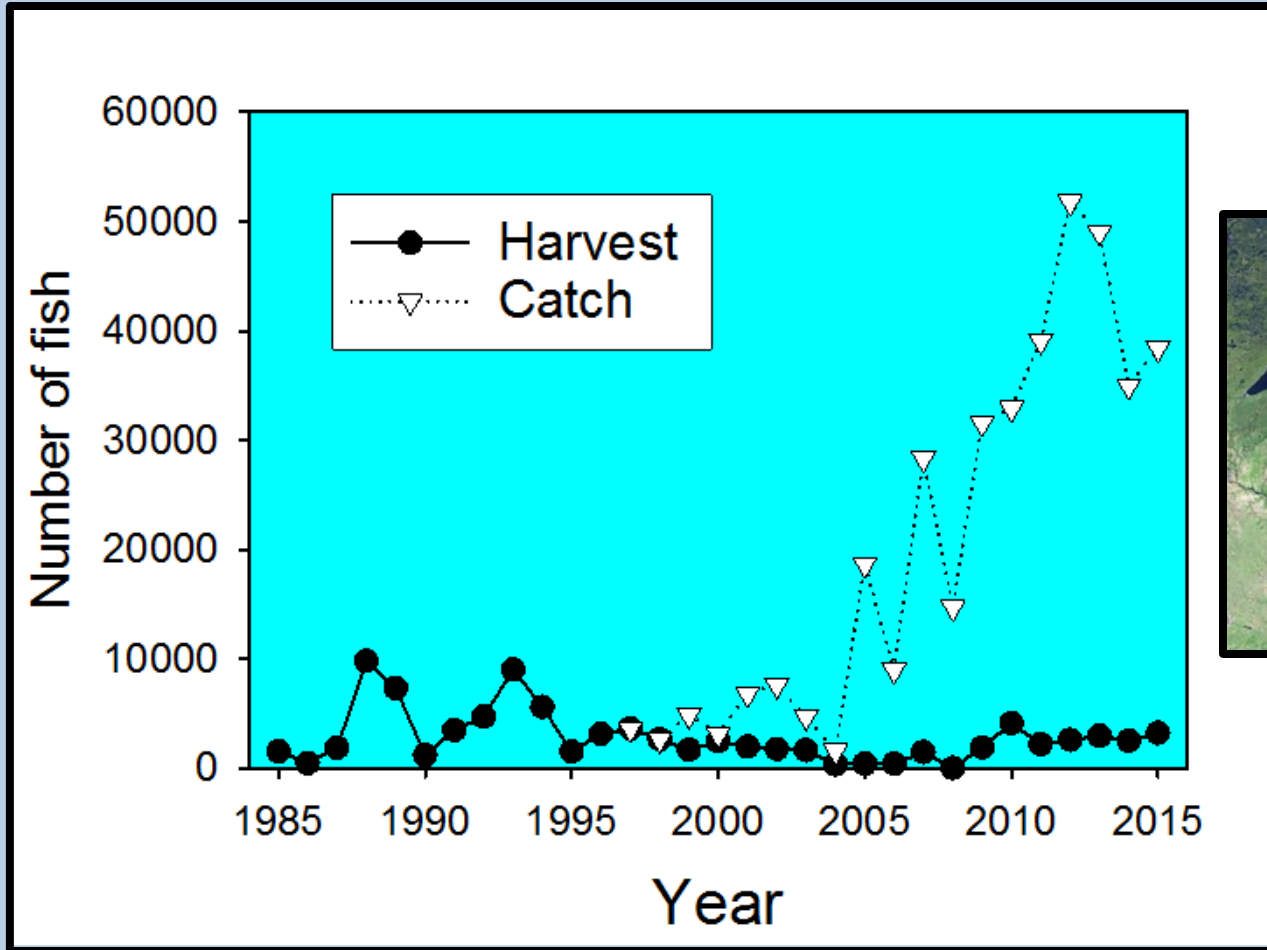
# Movement – Lake St. Clair



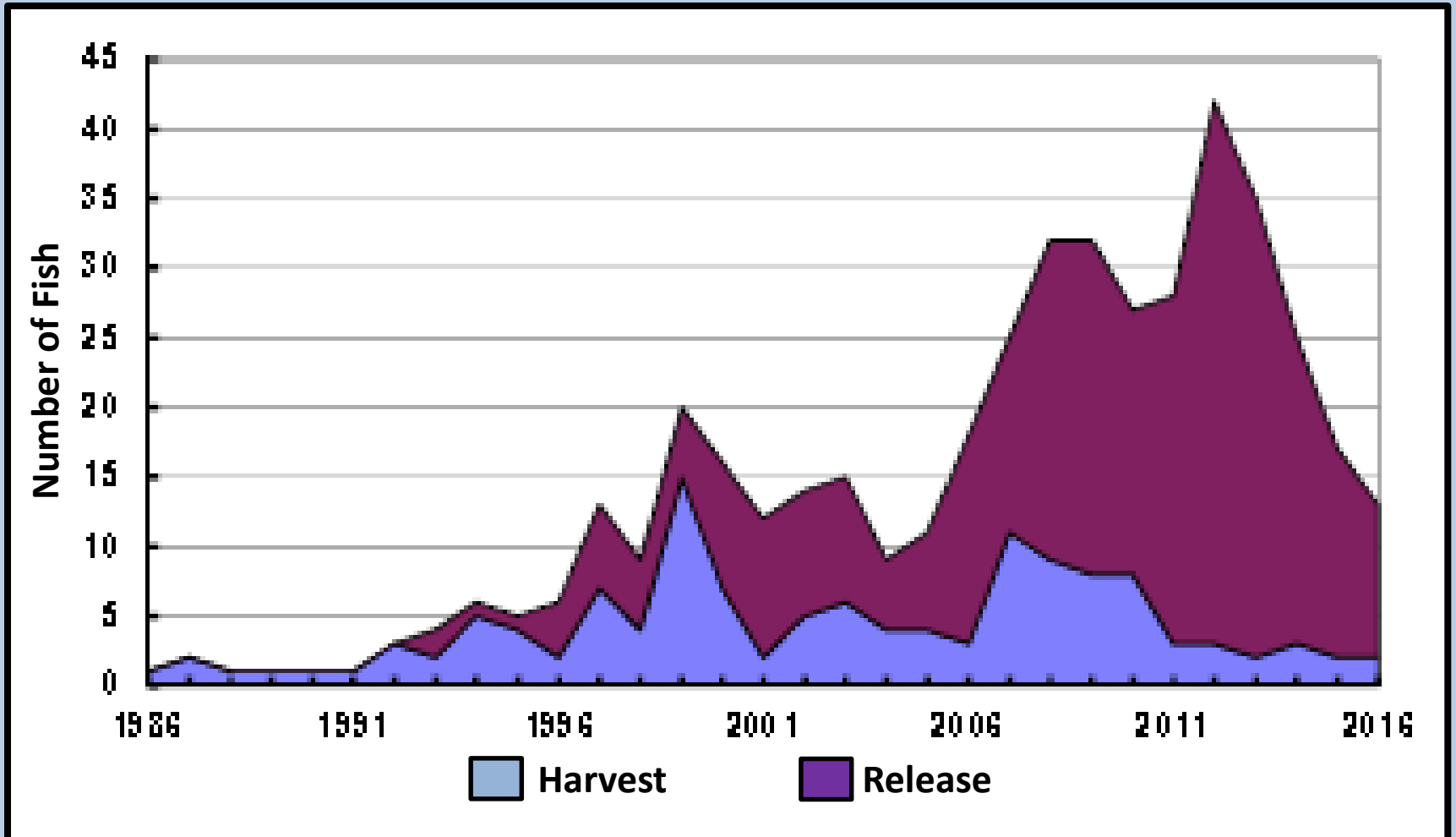
# Movement – Lake St. Clair



# Harvest - Grand Traverse Bay



# Harvest – Lake St. Clair





# Harvest – Lake St. Clair

