

LEARN ABOUT FISHERIES MANAGEMENT IN NORTHEAST WISCONSIN AT UPCOMING DNR PUBLIC MEETINGS

2025 Spotlight Series

- **The Balancing Act: Walleye Management In Florence And Forest Counties**

Presenter: Greg Matzke, DNR Senior Fisheries Biologist
When: Jan. 14, 2025
Where: Wild Rivers Interpretive Center
5628 Forestry Drive
Florence, WI 54121

- **The Winnebago System: History And Status Of Lake Sturgeon And Walleye Management**

Presenters: Margaret Stadig, DNR Senior Fisheries Biologist and Angelo Cozzola, DNR Senior Fisheries Biologist
When: Jan. 22, 2025
Where: Fox Valley Technical College
150 N Campbell Road
Oshkosh Riverside Campus Room 133
Oshkosh, WI 54902

- **Northeast Wisconsin Trout Habitat Management**

Presenters: Jonathan Pyatskowit, DNR Fisheries Habitat Specialist and Kyle Kossel, DNR Habitat Technician
When: Jan. 28, 2025
Where: Shawano Middle School
1050 South Union Street
LGI Room
Shawano, WI 54166

- **Wautoma Area Fisheries Updates**

Presenter: Scott Bunde, DNR Senior Fisheries Biologist
When: Feb. 5, 2025
Where: Wautoma High School Library
514 S. Cambridge Street
Wautoma, WI 54982

- **Shawano Lake Walleye Movement & Survey Results Of 2024 Area Surveys**

Presenter: Elliot Hoffman, DNR Senior Fisheries Biologist
When: Feb. 11, 2025
Where: Shawano Middle School
1050 South Union Street
LGI Room
Shawano, WI 54166

- **Where Do Fish Go, The Peshtigo River Array And High Falls Walleye Movement Projects**

Presenter: Chip Long, DNR Senior Fisheries Biologist
When: Feb. 19, 2025
Where: Peshtigo DNR Field Office
101 N Ogden Road
Peshtigo, WI 54157

- **History And Status Of Brown Trout On Green Bay**

Presenter: Tammie Paoli, DNR Senior Fisheries Biologist
When: Feb. 26, 2025
Where: Peshtigo DNR Field Office
101 N Ogden Road
Peshtigo, WI 54157

- **Green Bay Walleye And Muskellunge Management**

Presenter: Jason Breeggemann, DNR Senior Fisheries Biologist
When: March 3, 2025
Where: Green Bay DNR Service Center
2984 Shawano Avenue
Green Bay, WI 54313

- **Habitat Management Of Central Wisconsin Trout Streams**

Presenter: Shawn Sullivan, DNR Fisheries Habitat Specialist
When: March 10, 2025
Where: Waushara WWII Veterans Memorial
440 W Main St
Wautoma, WI 54982



[Calendar](#) | [Wisconsin DNR](#)

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Walleye Management

The Balancing Act

Florence and Forest Counties

1/14/2025 | DNR.WI.GOV



LAST YEAR

“Using Data to Decide Where to Fish”

- Species by Species Breakdown
 - Largemouth Bass
 - Smallmouth Bass
 - Walleye
 - Northern Pike
 - Muskellunge
 - Panfish
 - Trout



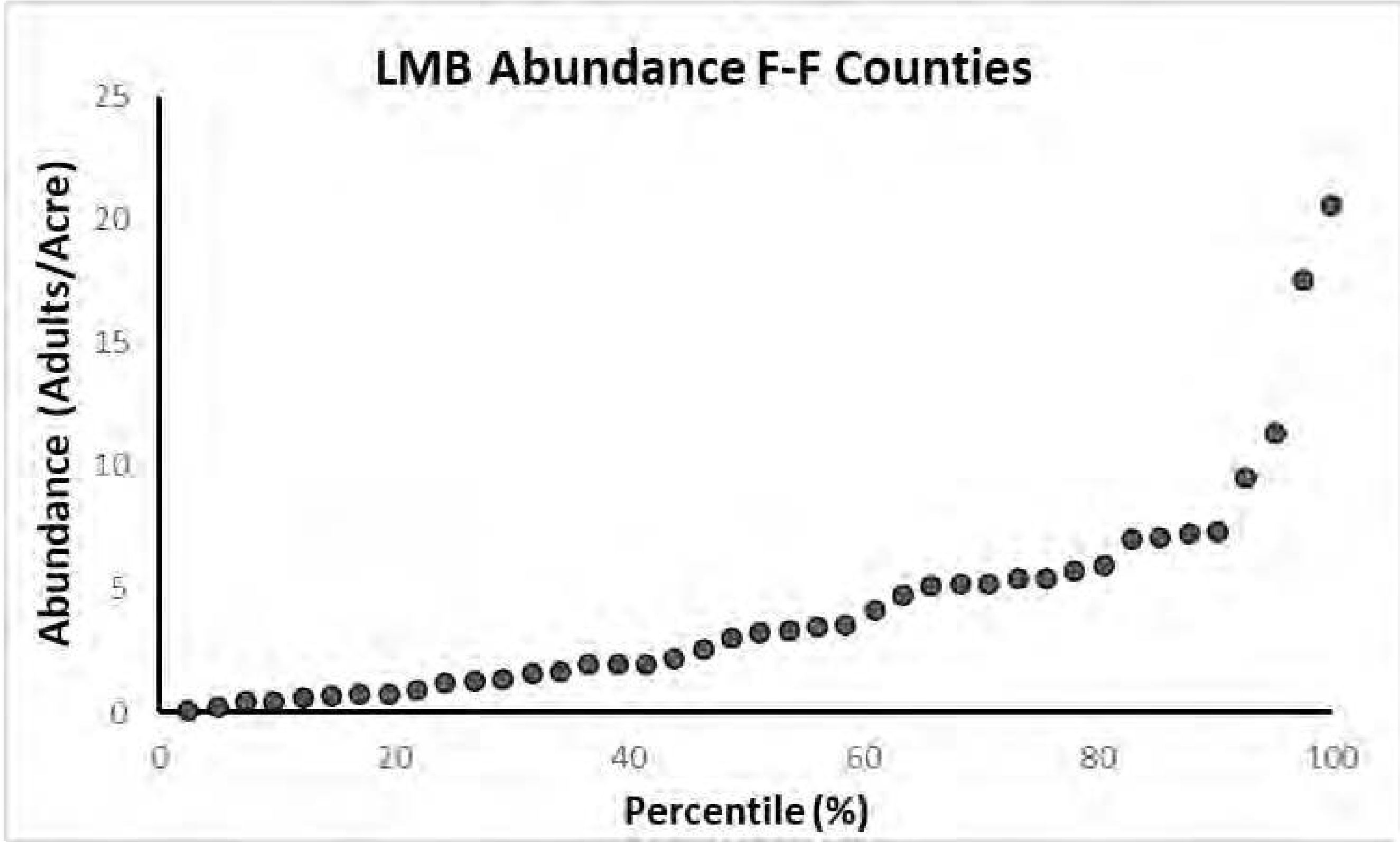
METRICS WE WILL USE

- How Many!
- How Long!

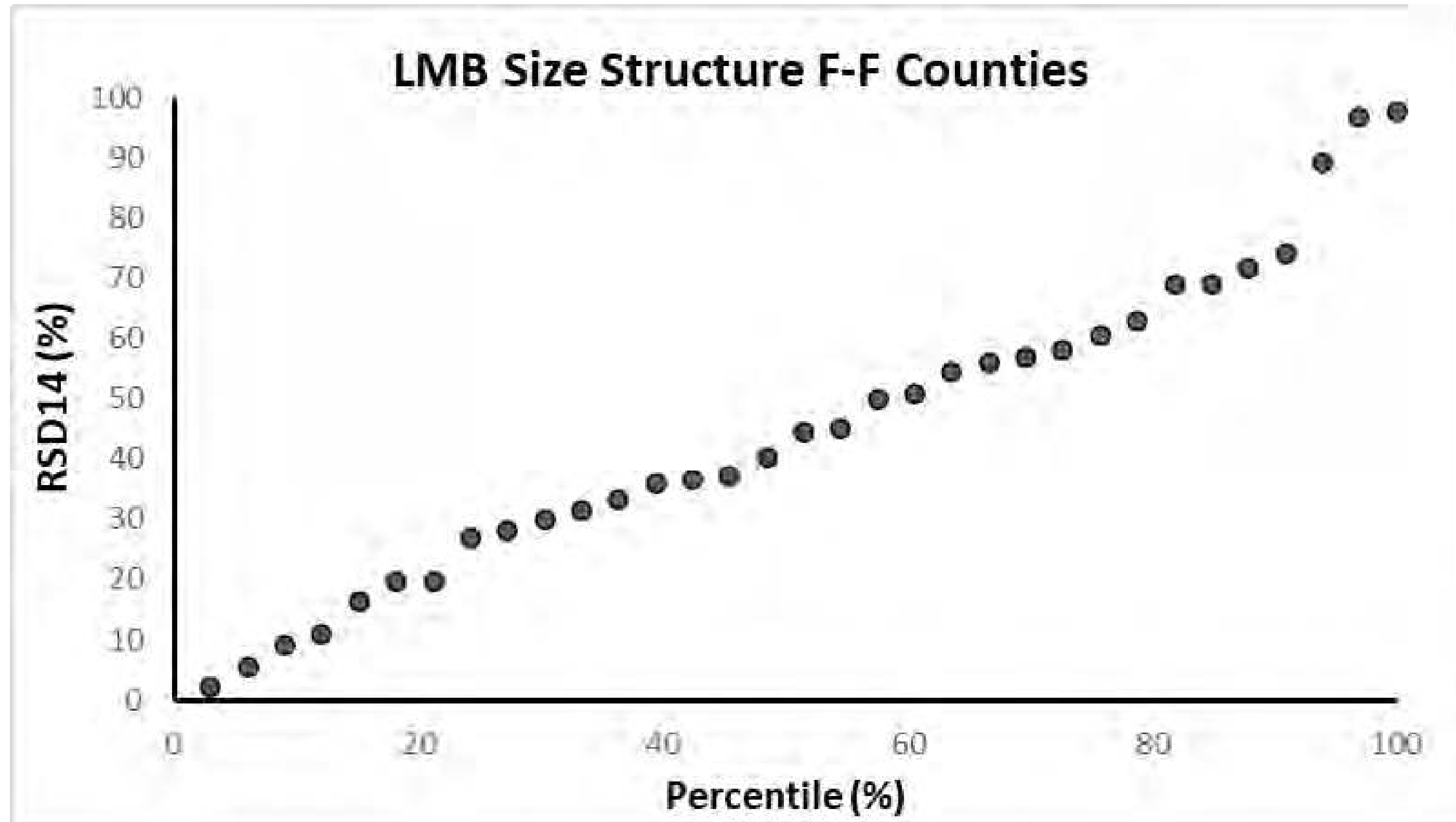
METRICS WE WILL NOT USE

- Growth
- Age Structure
- Body Condition
- Recruitment

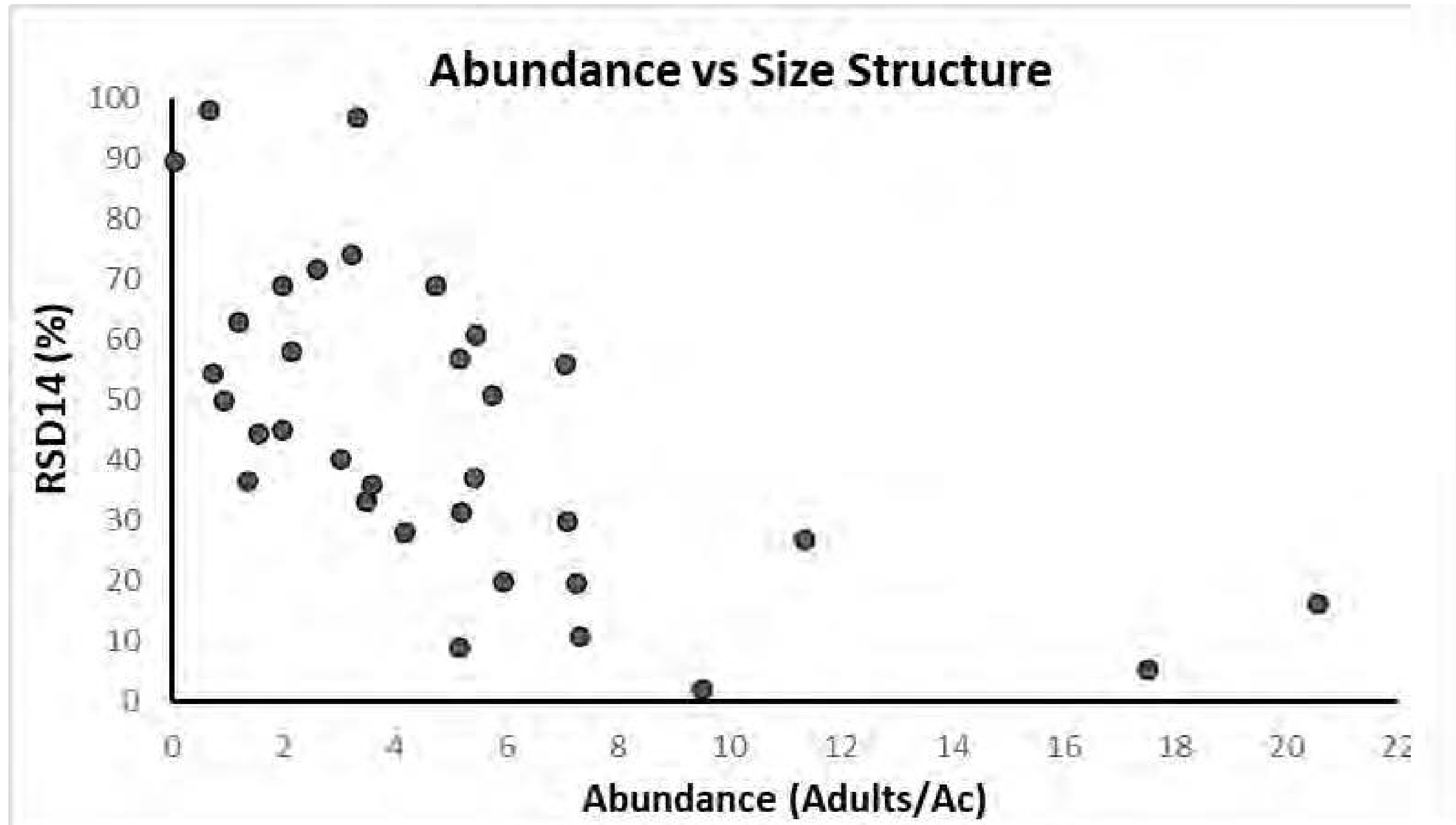
Where To Go For More Fish?



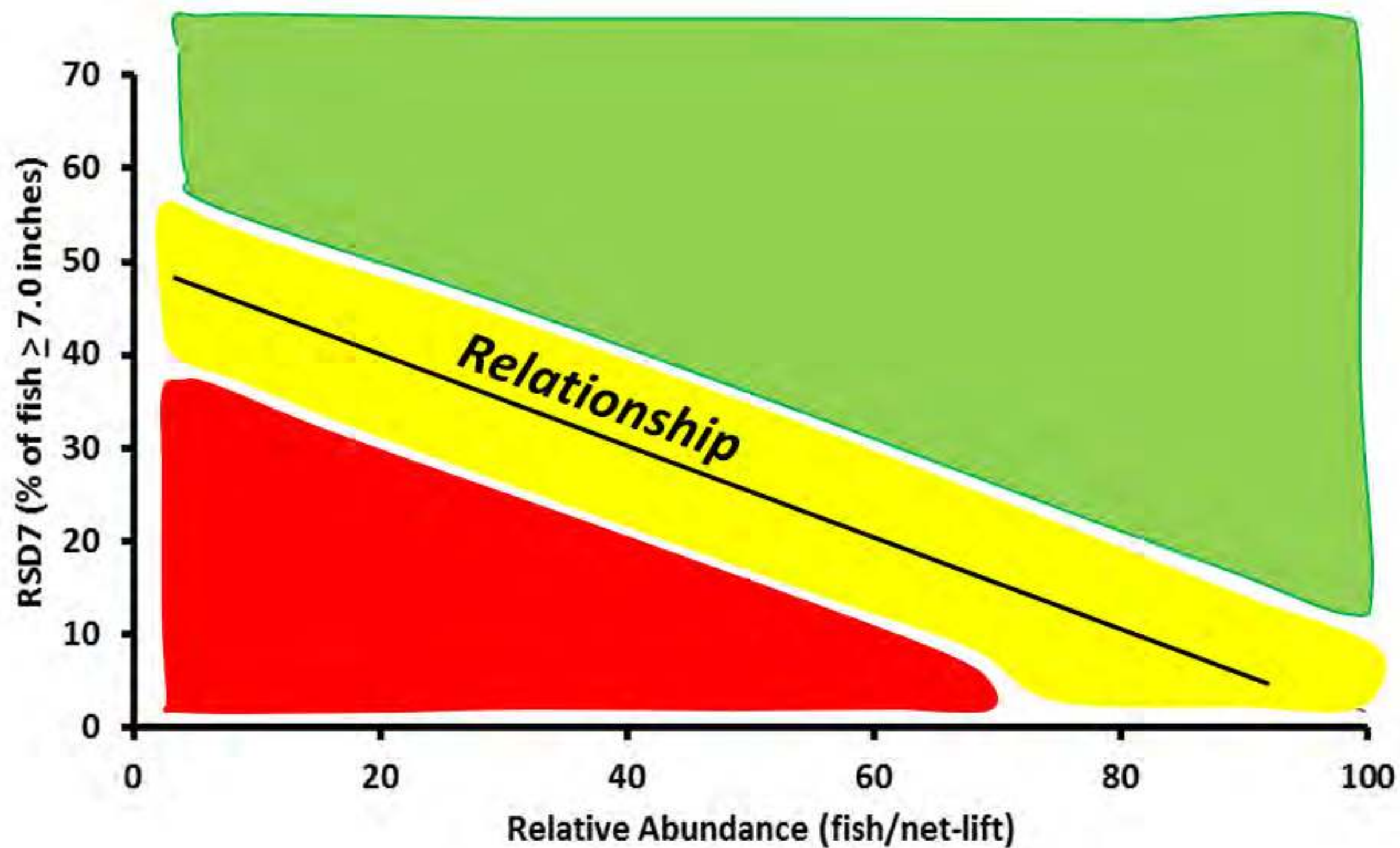
Where To Go For Bigger Fish?



Where To Go For Quality Fishing?



Where To Go For Quality Fishing?



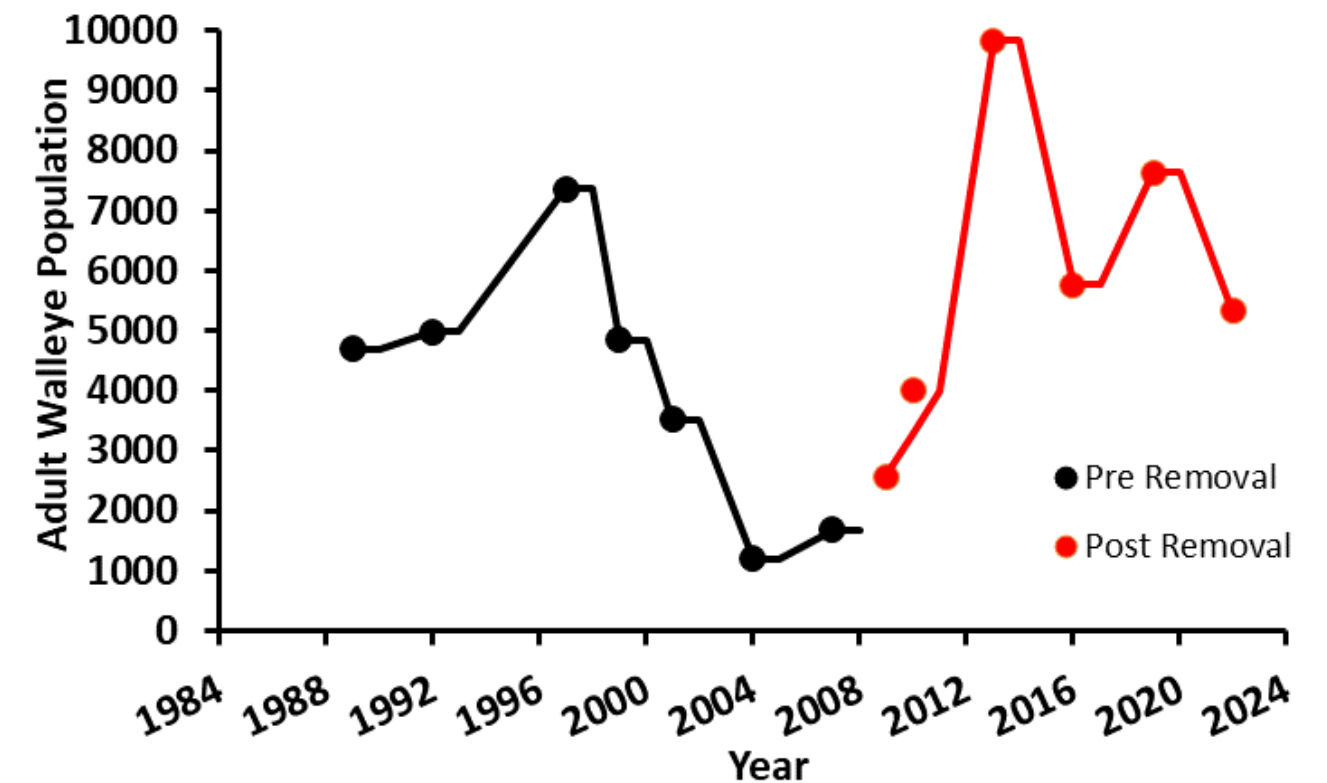
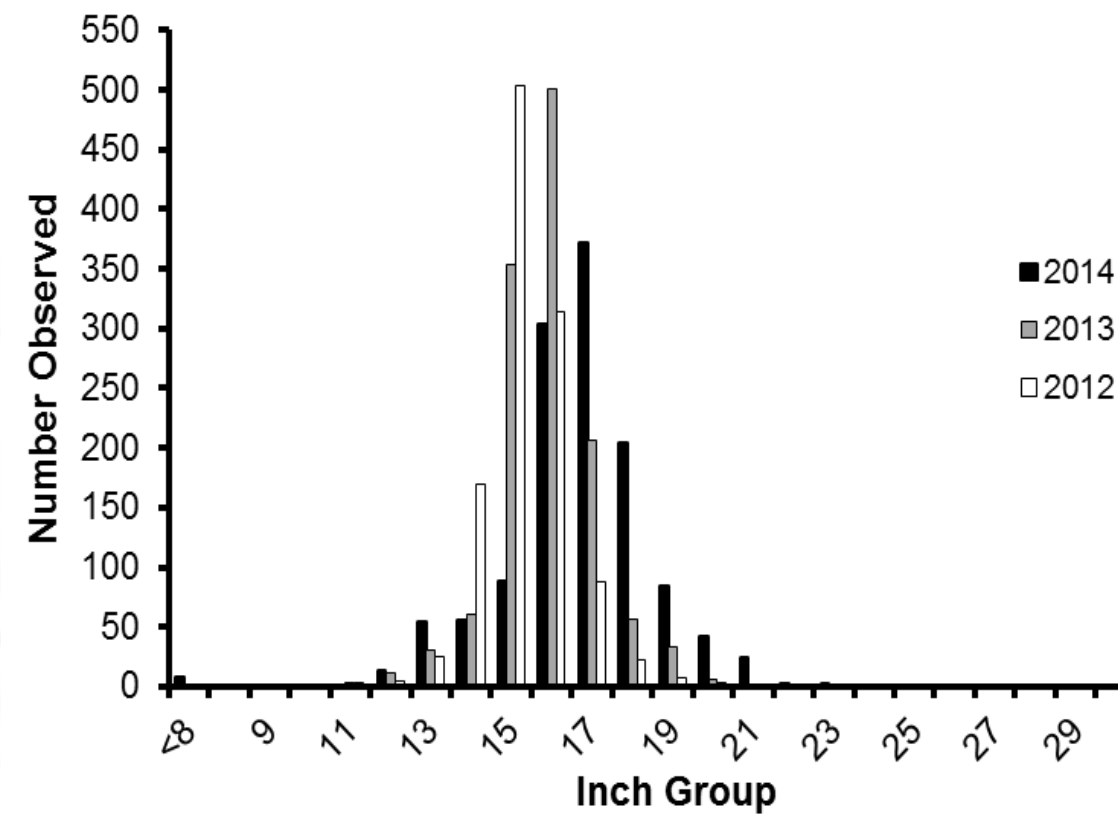
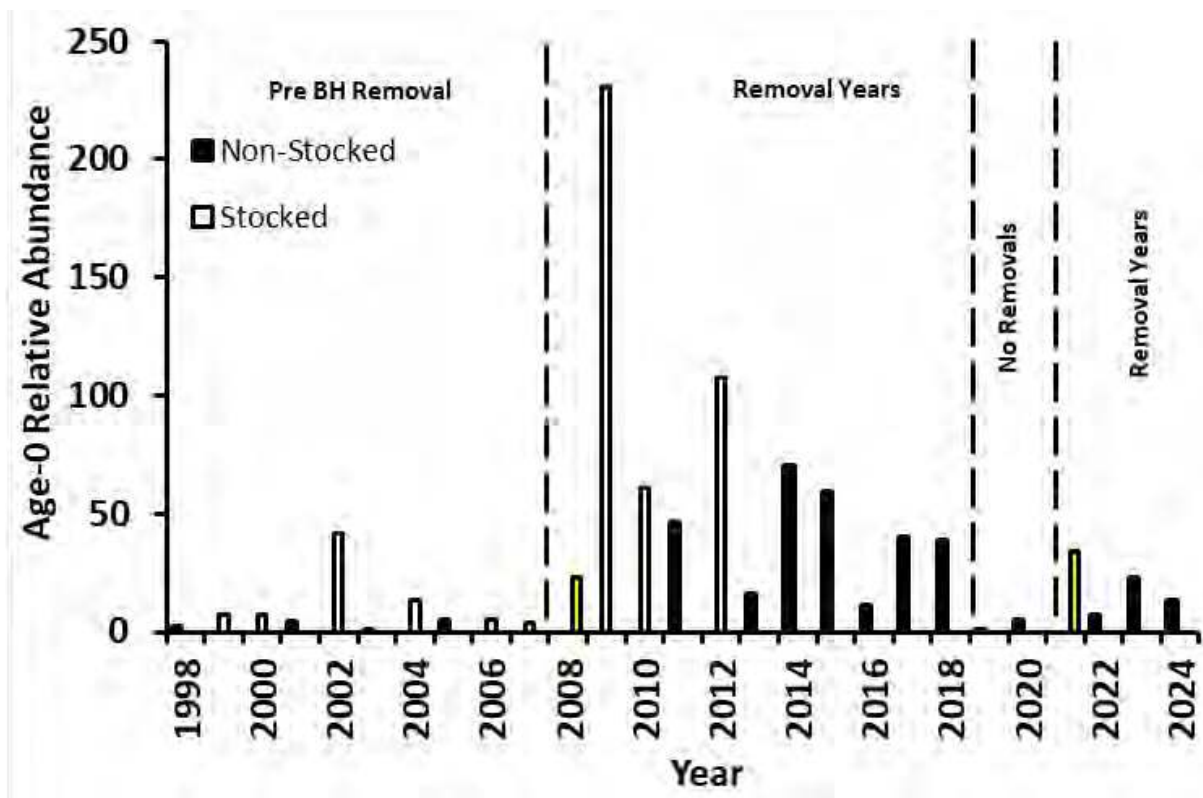
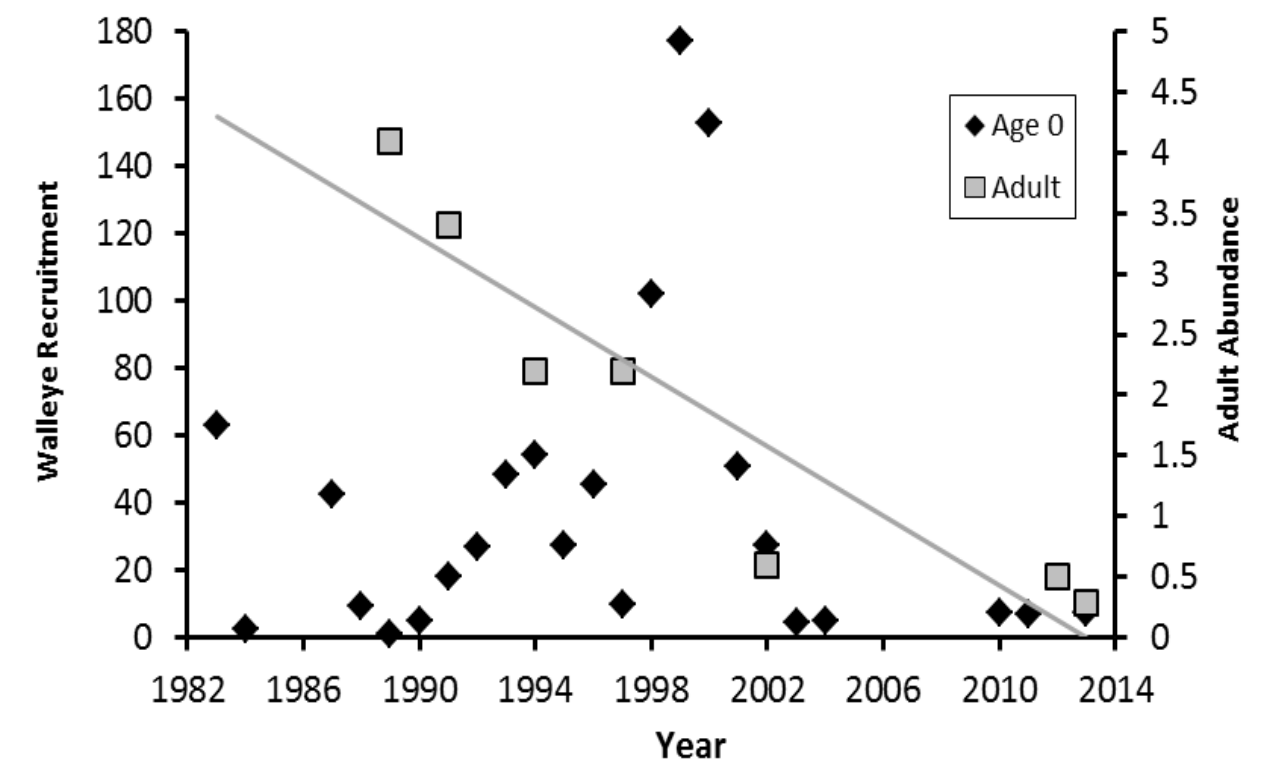
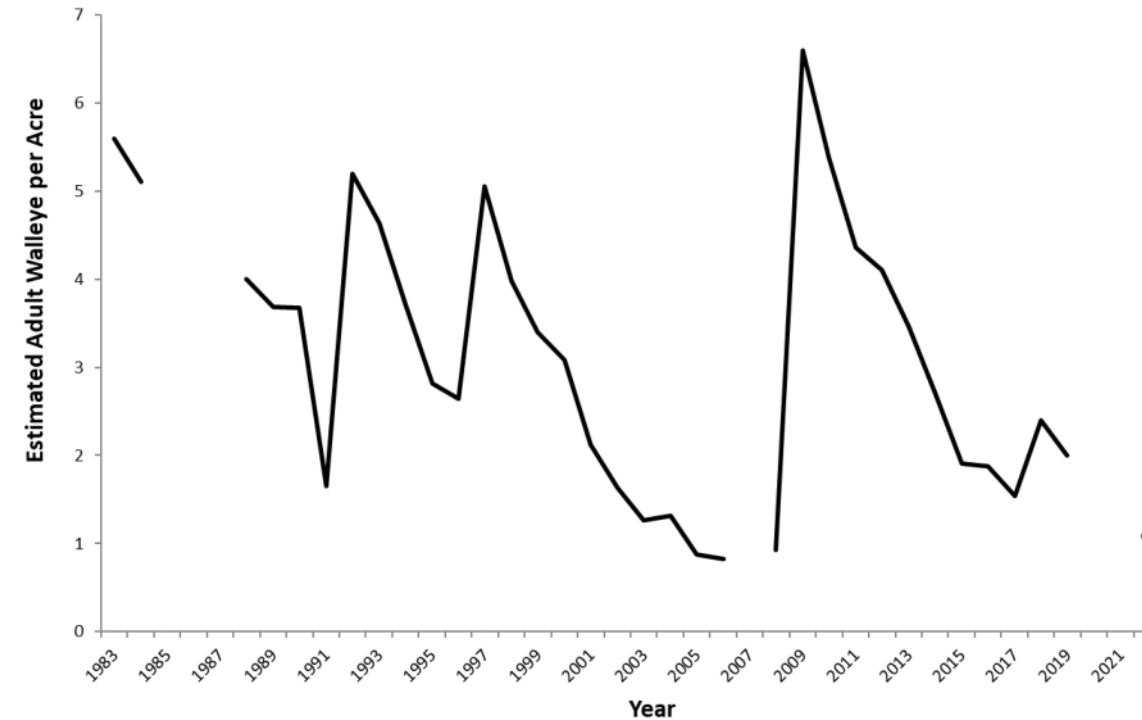
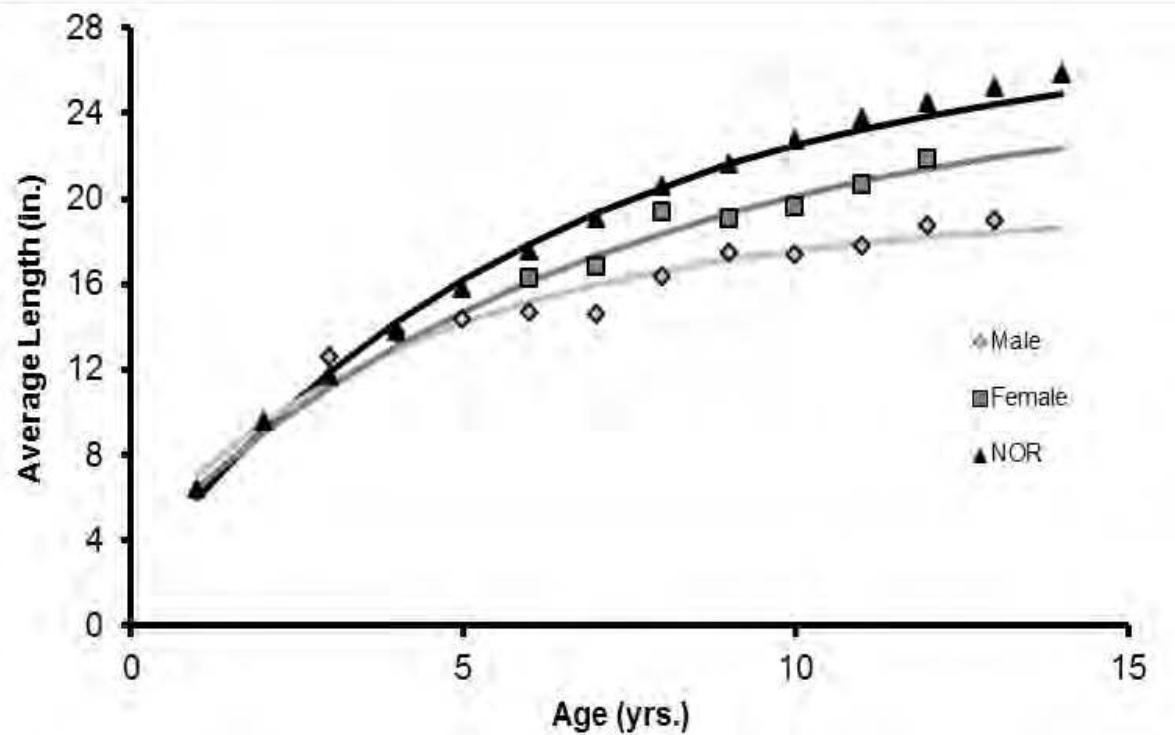
TONIGHT

All Walleye...All the Time

- Where Does Our Data Come From?
- Lake by Lake Rundown
 - How is each population doing?
 - Adult abundance
 - Recruitment
 - Management Efforts



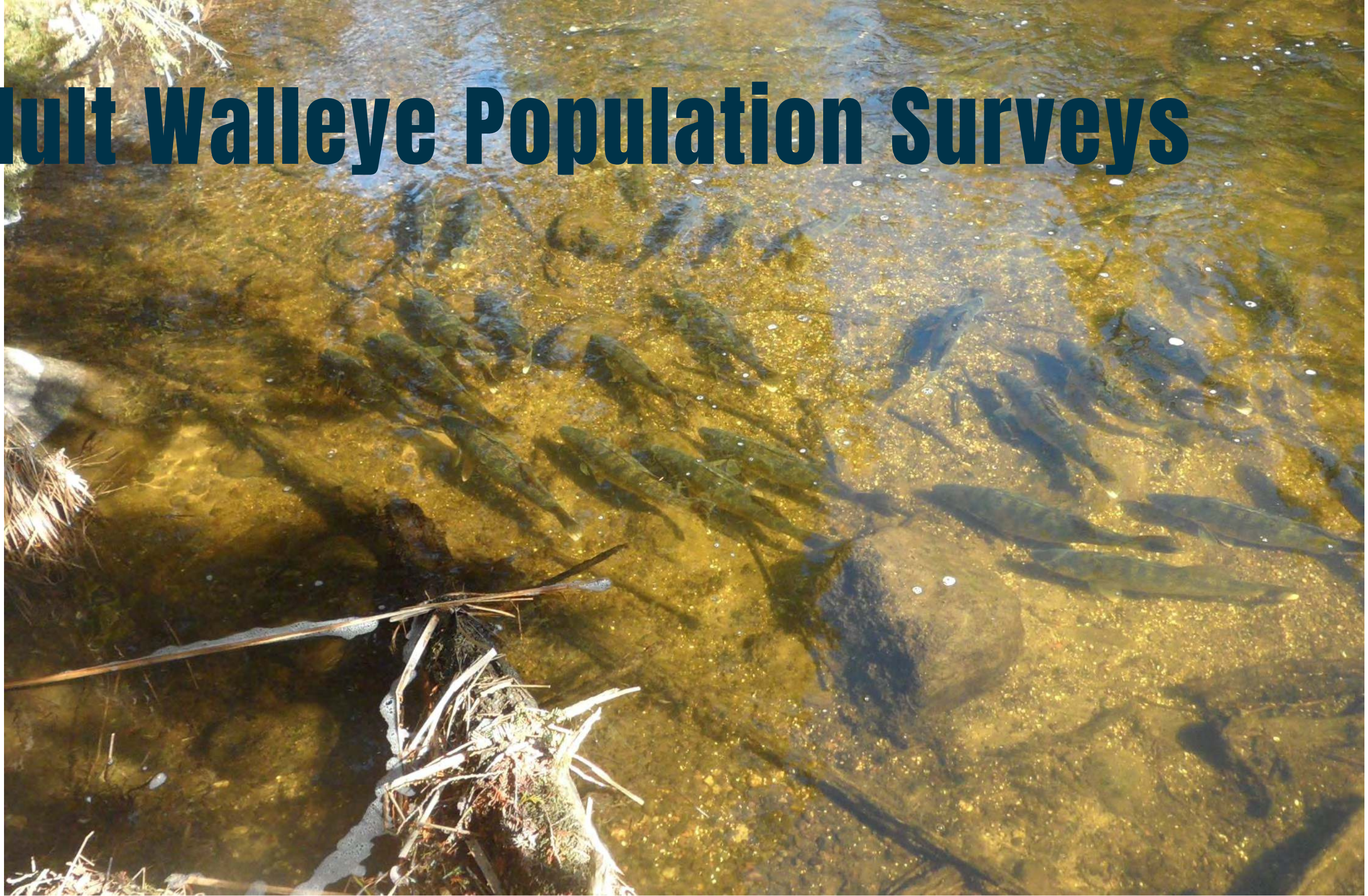
Where Does The Data Come From?



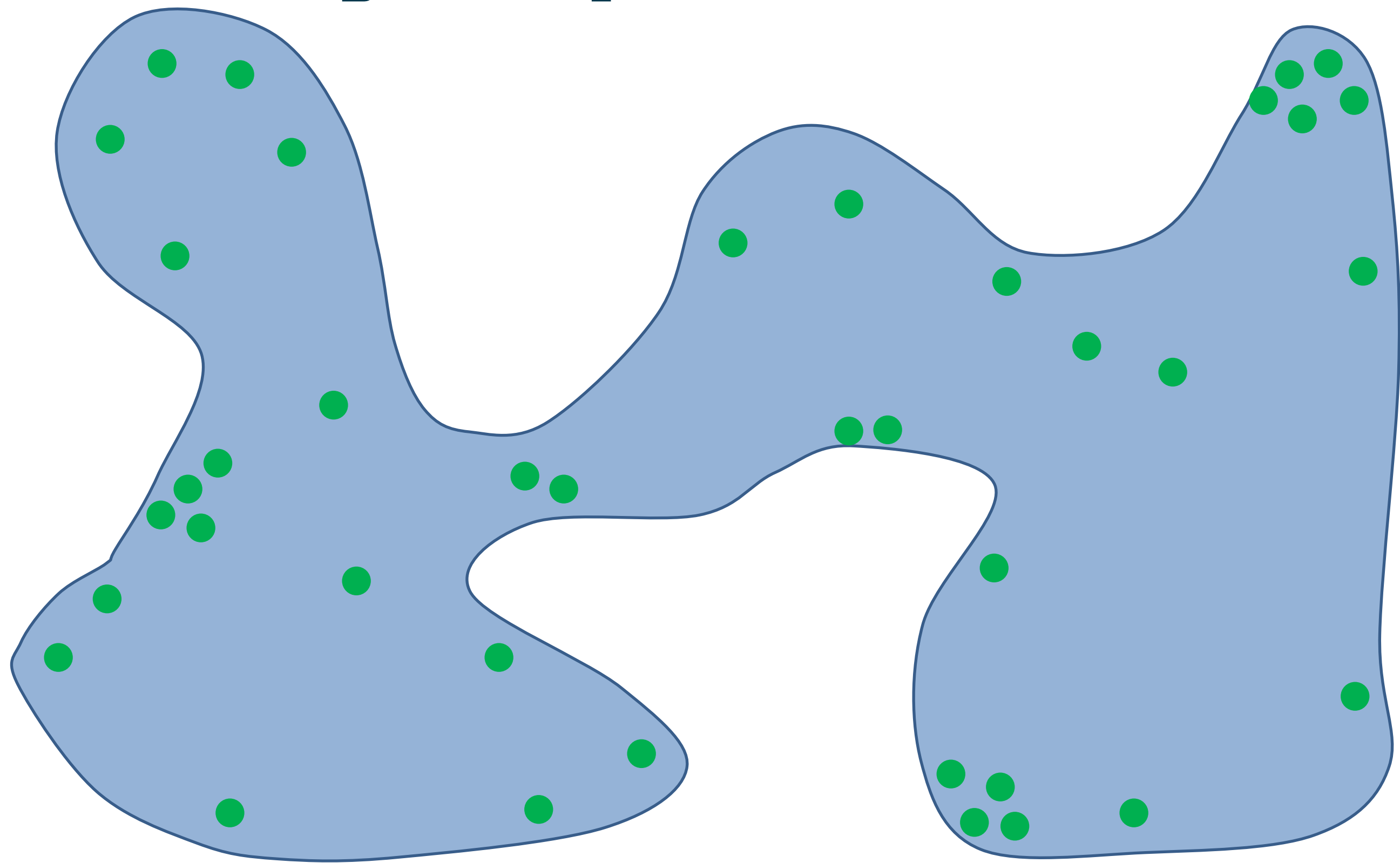
Adult Walleye Population Surveys



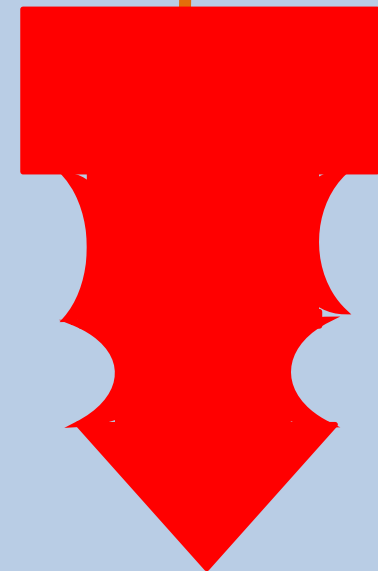
Adult Walleye Population Surveys



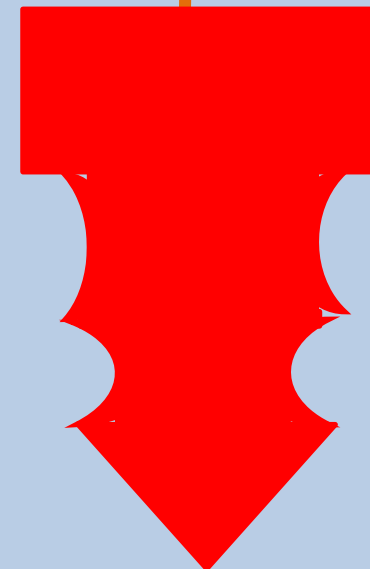
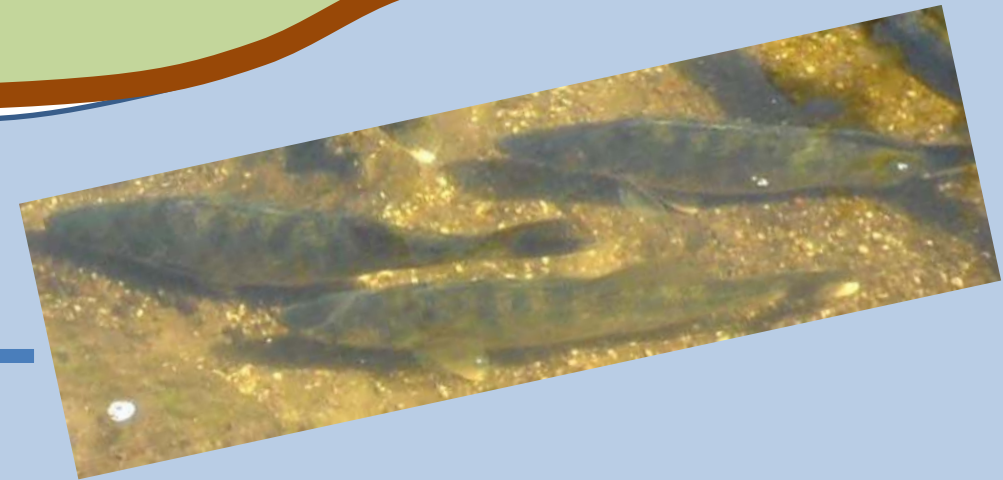
Adult Walleye Population Estimate



Adult Walleye Population Estimate



Adult Walleye Population Estimate



Adult Walleye Population Estimate



Adult Walleye Population Estimate



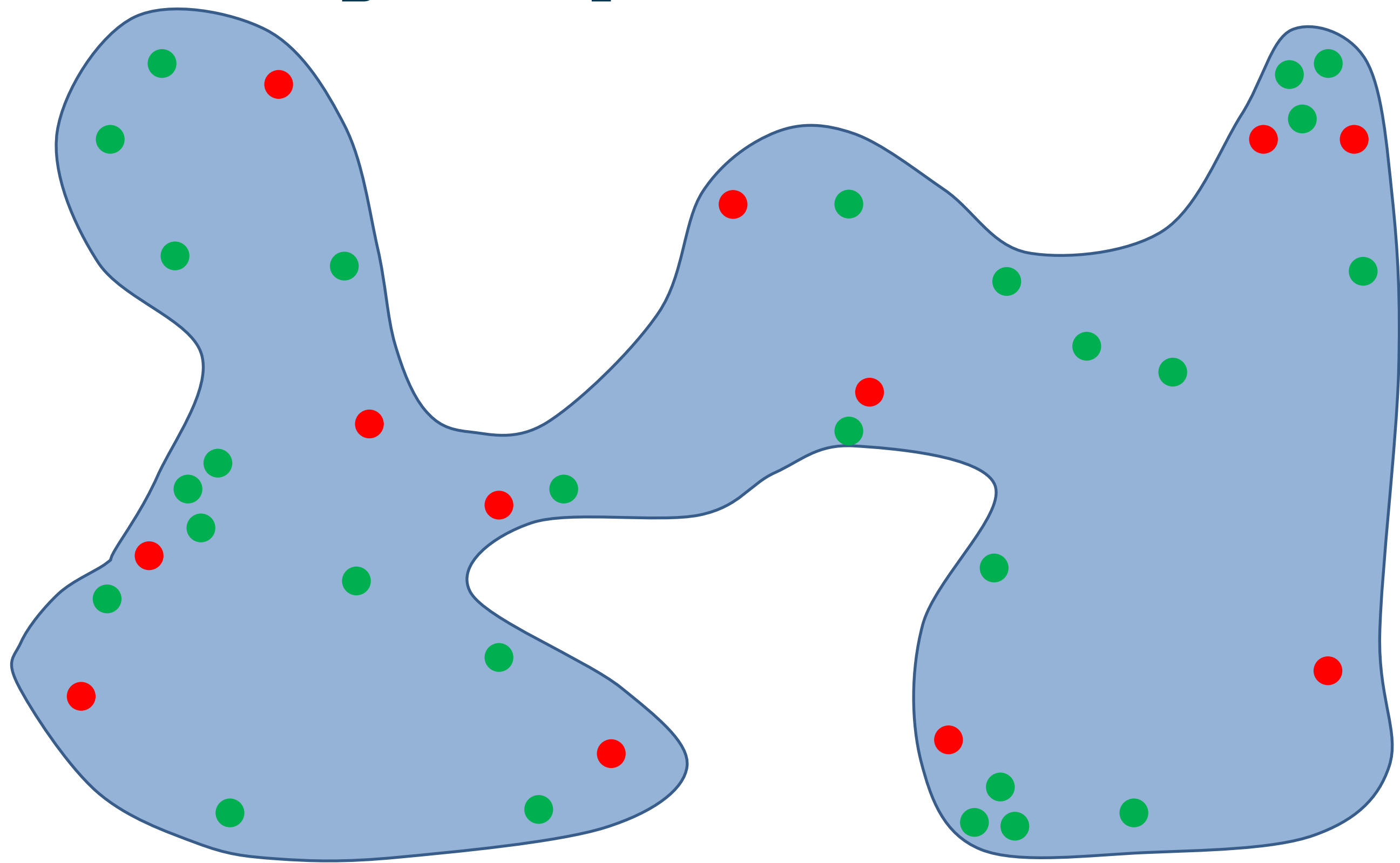
Adult Walleye Population Estimate



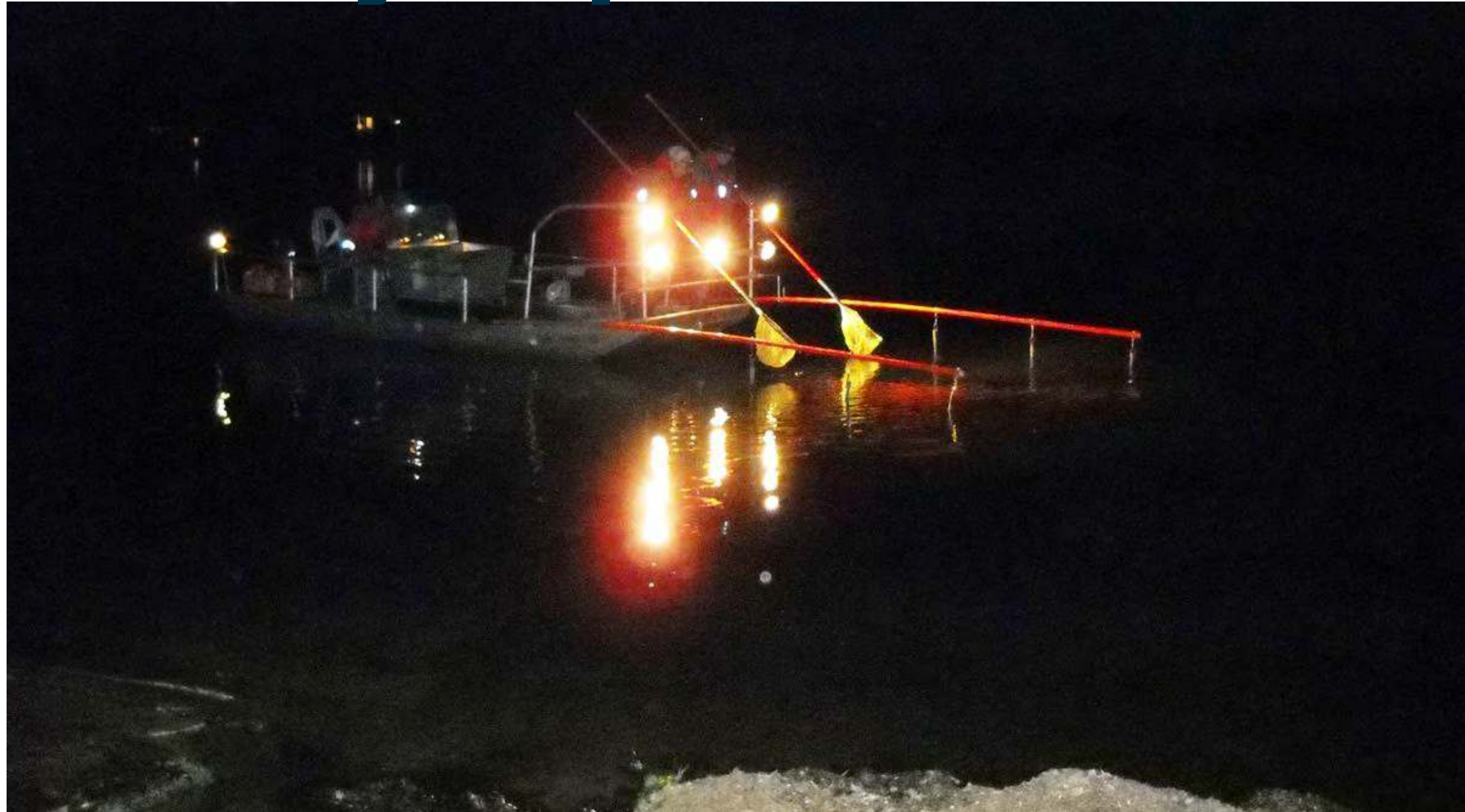
Adult Walleye Population Estimate



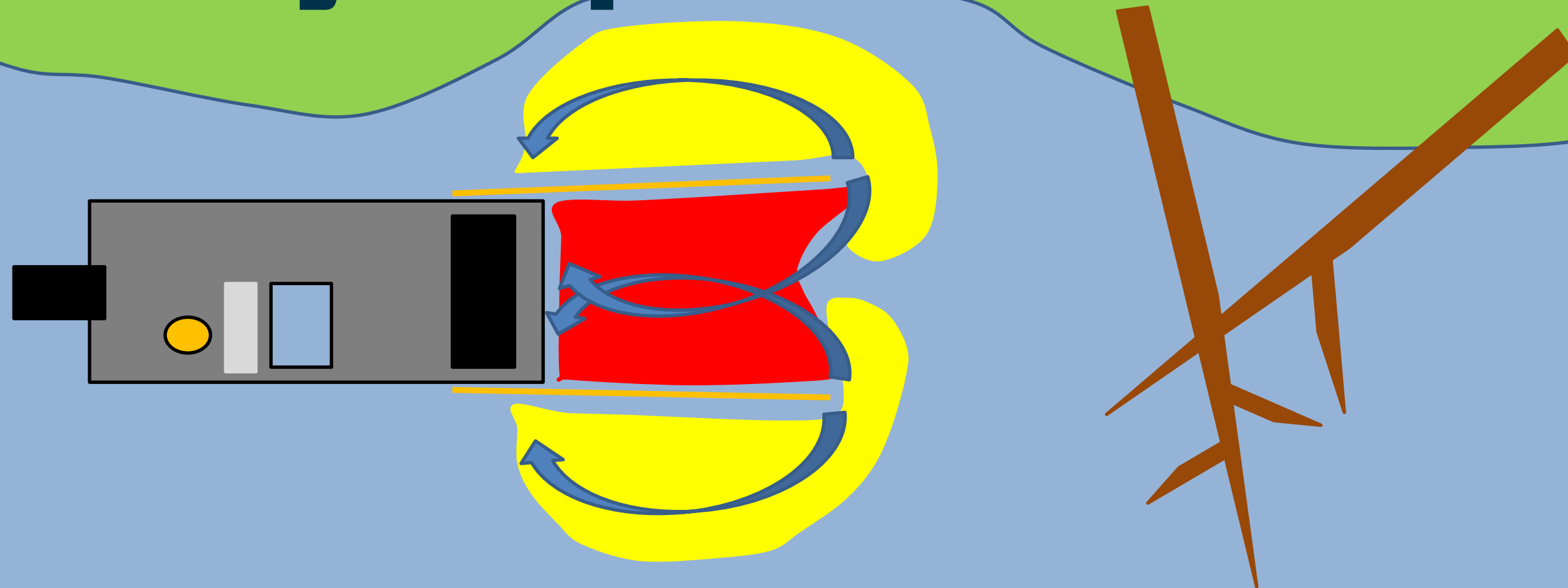
Adult Walleye Population Estimate



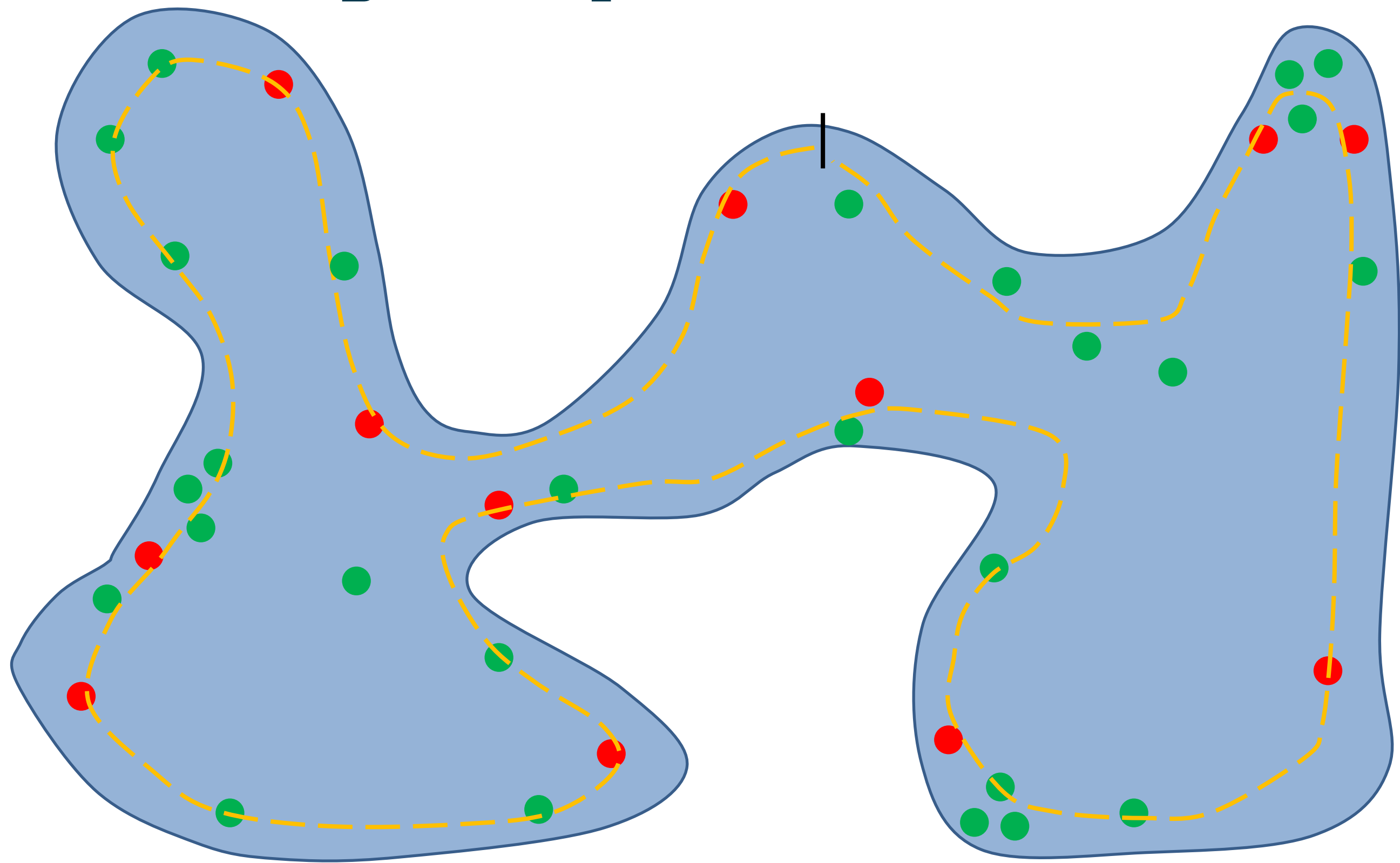
Adult Walleye Population Estimate



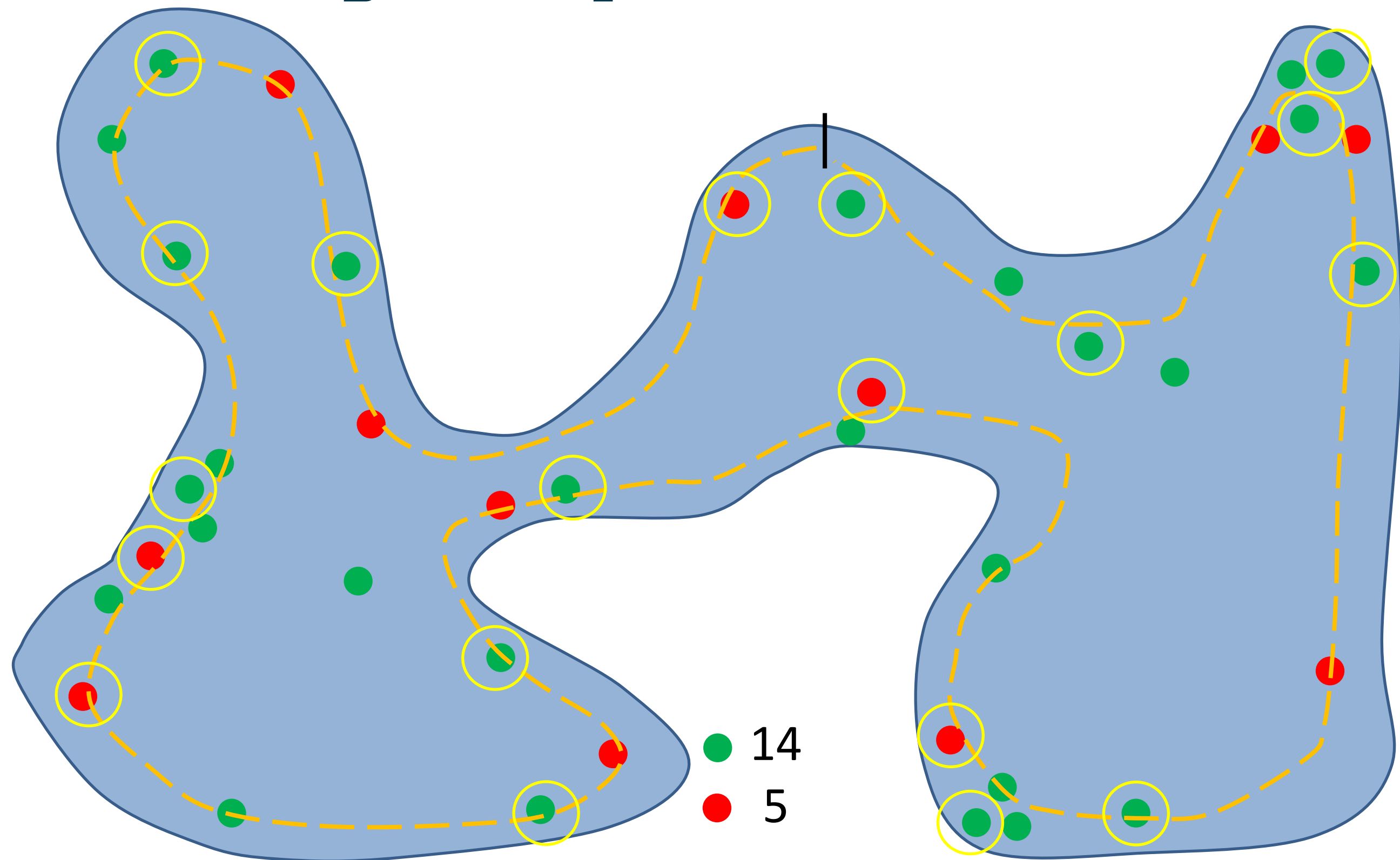
Adult Walleye Population Estimate



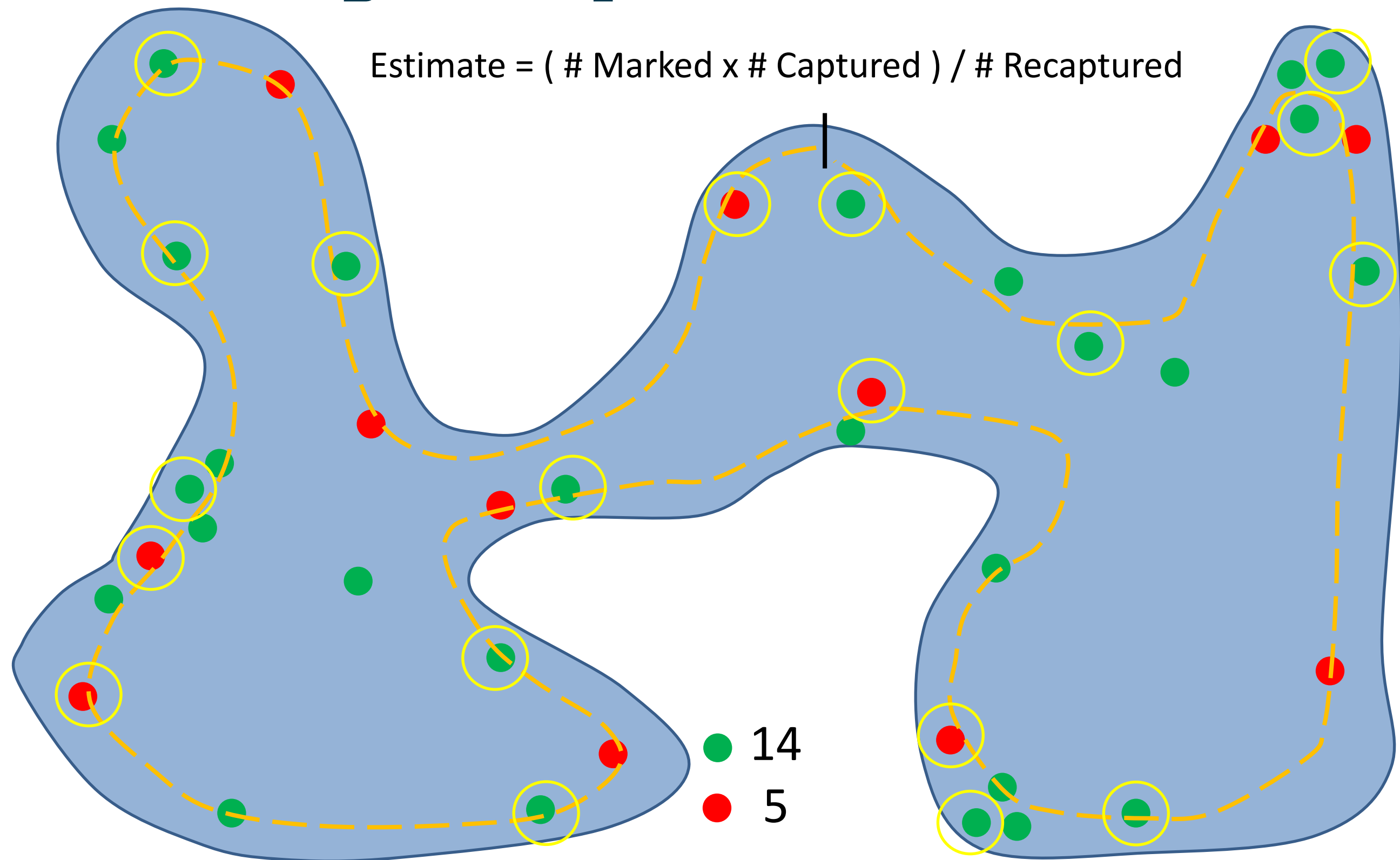
Adult Walleye Population Estimate



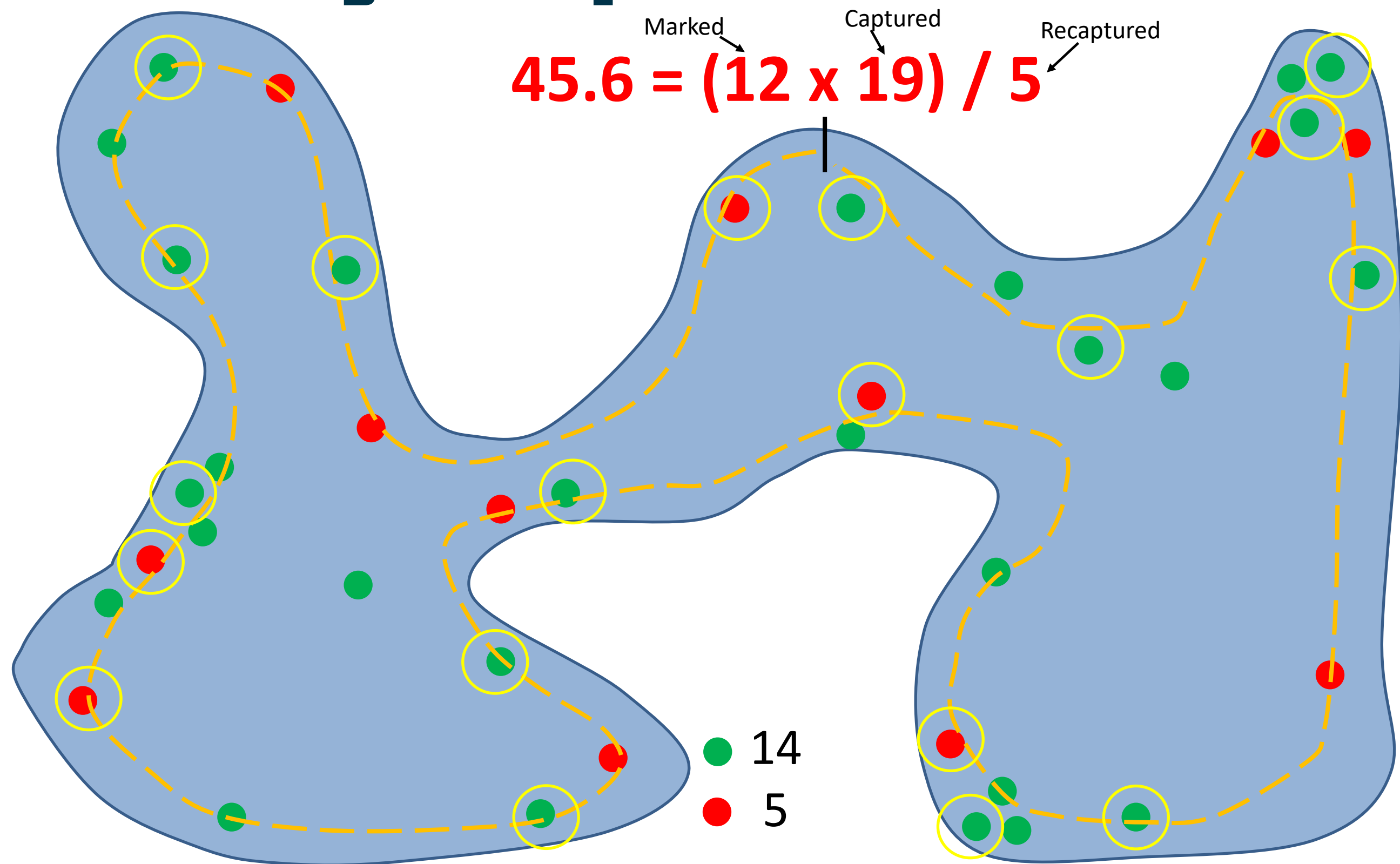
Adult Walleye Population Estimate



Adult Walleye Population Estimate



Adult Walleye Population Estimate



Walleye Recruitment Surveys



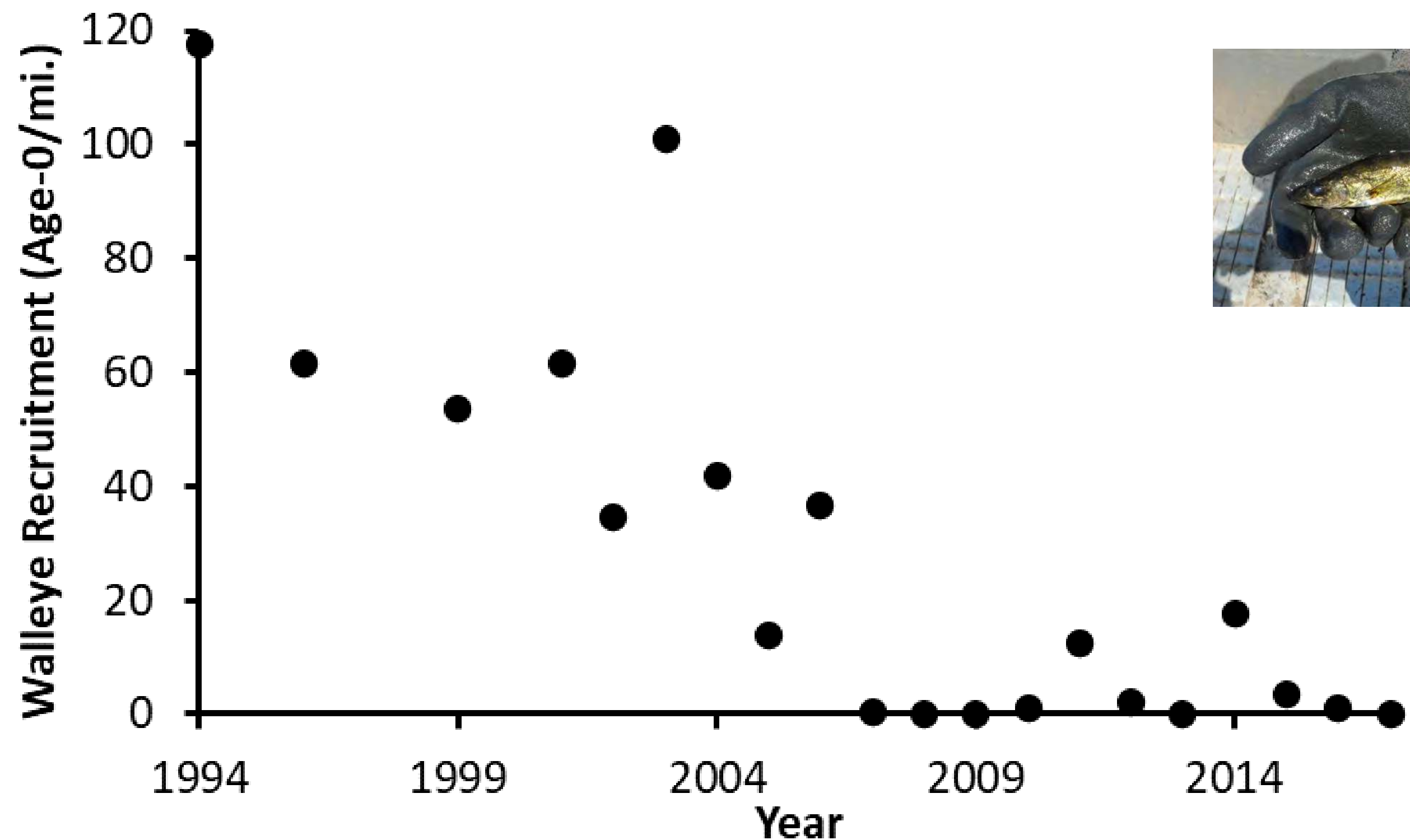
Walleye Recruitment Surveys



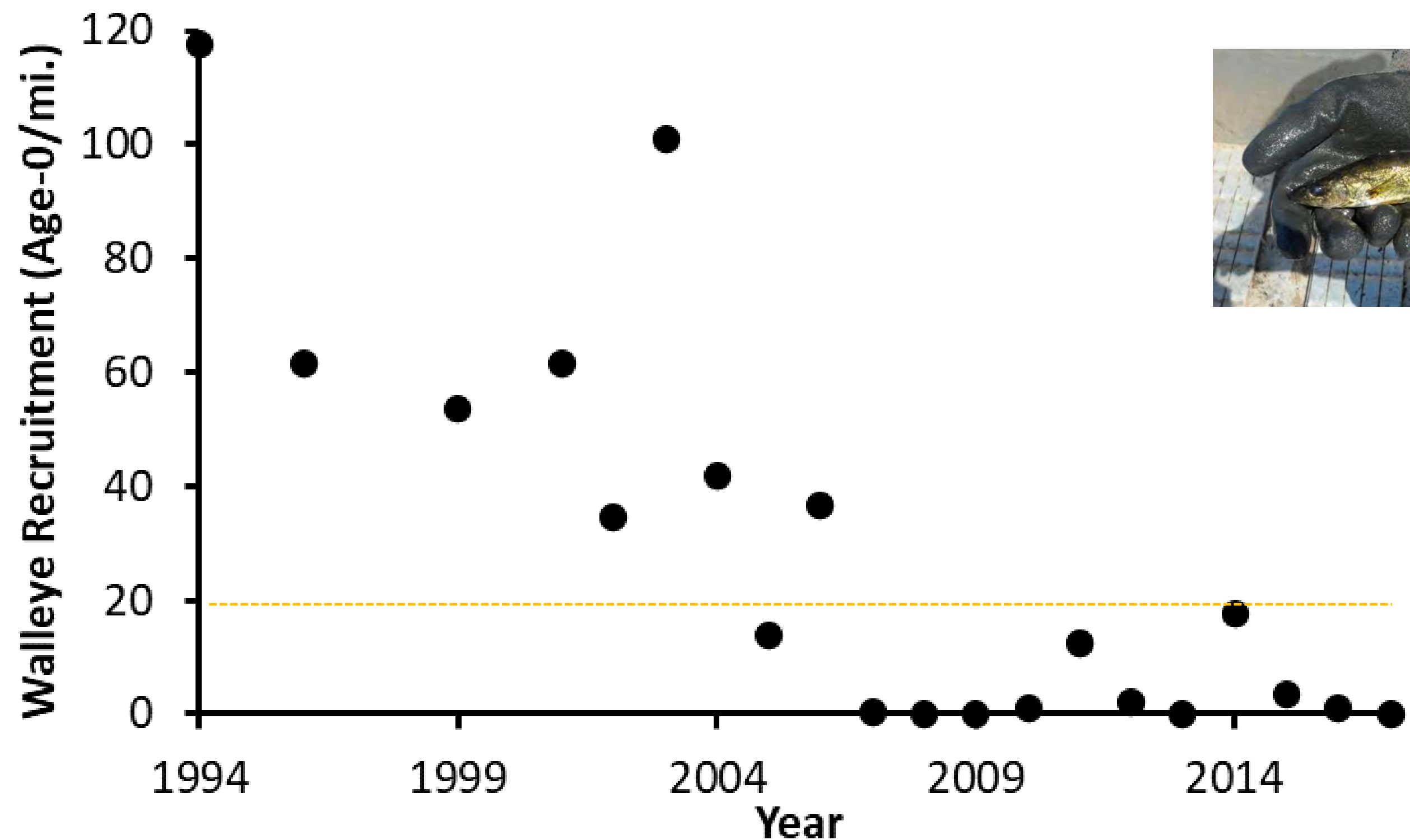
Walleye Recruitment Surveys



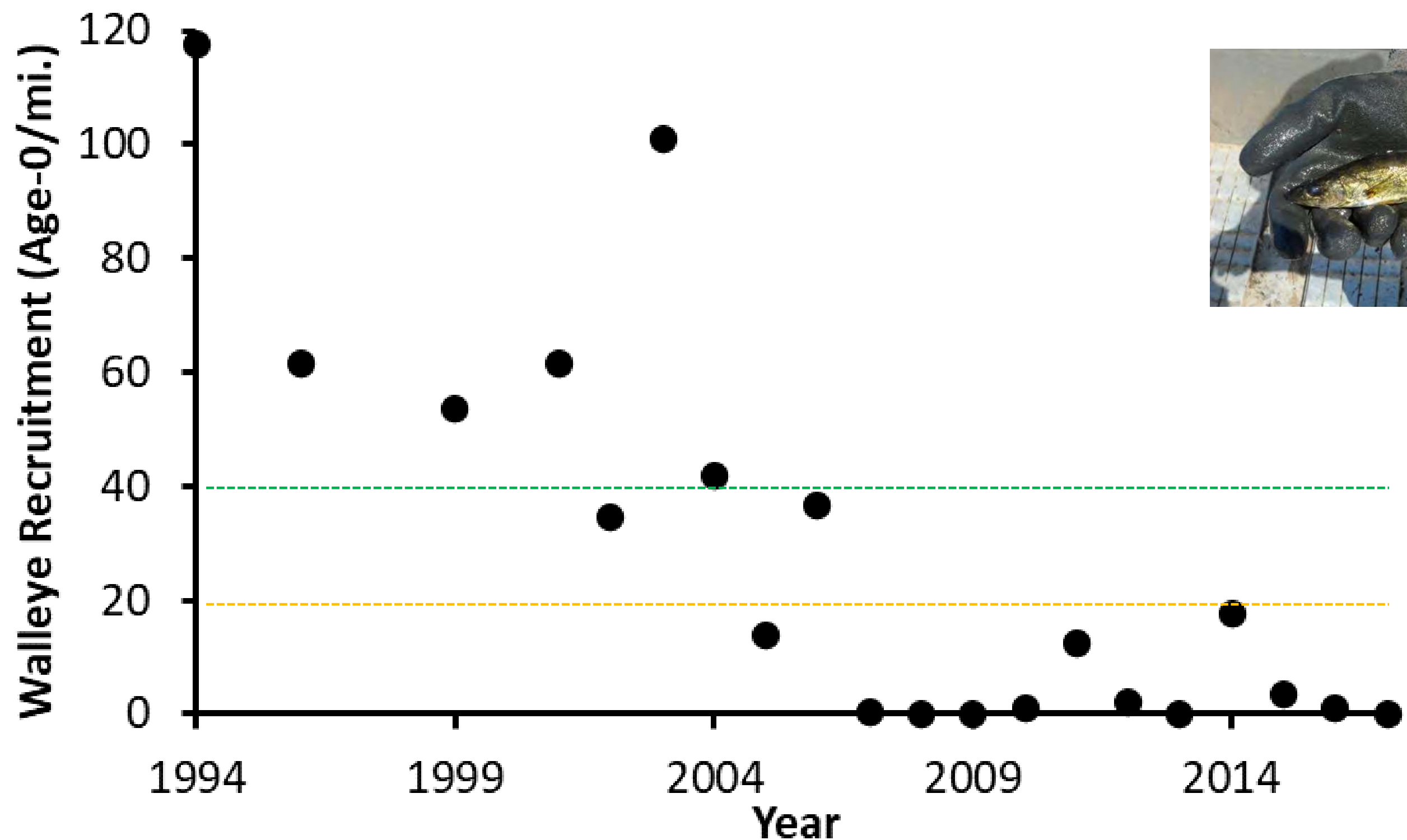
Walleye Recruitment Surveys



Walleye Recruitment Surveys



Walleye Recruitment Surveys



Walleye



Walleye Resource

- Howell

Franklin

Stevens

SECL

Keyes

BRF

Bnut

Metonga

Roberts

Lily

Jungle

Sea Lion

Patten

Quartz

PRF
- Cosgrove

Silver

Rangeline

Lucerne

Pine

Crane

Emily

Pickerel

Trump

Van Zile

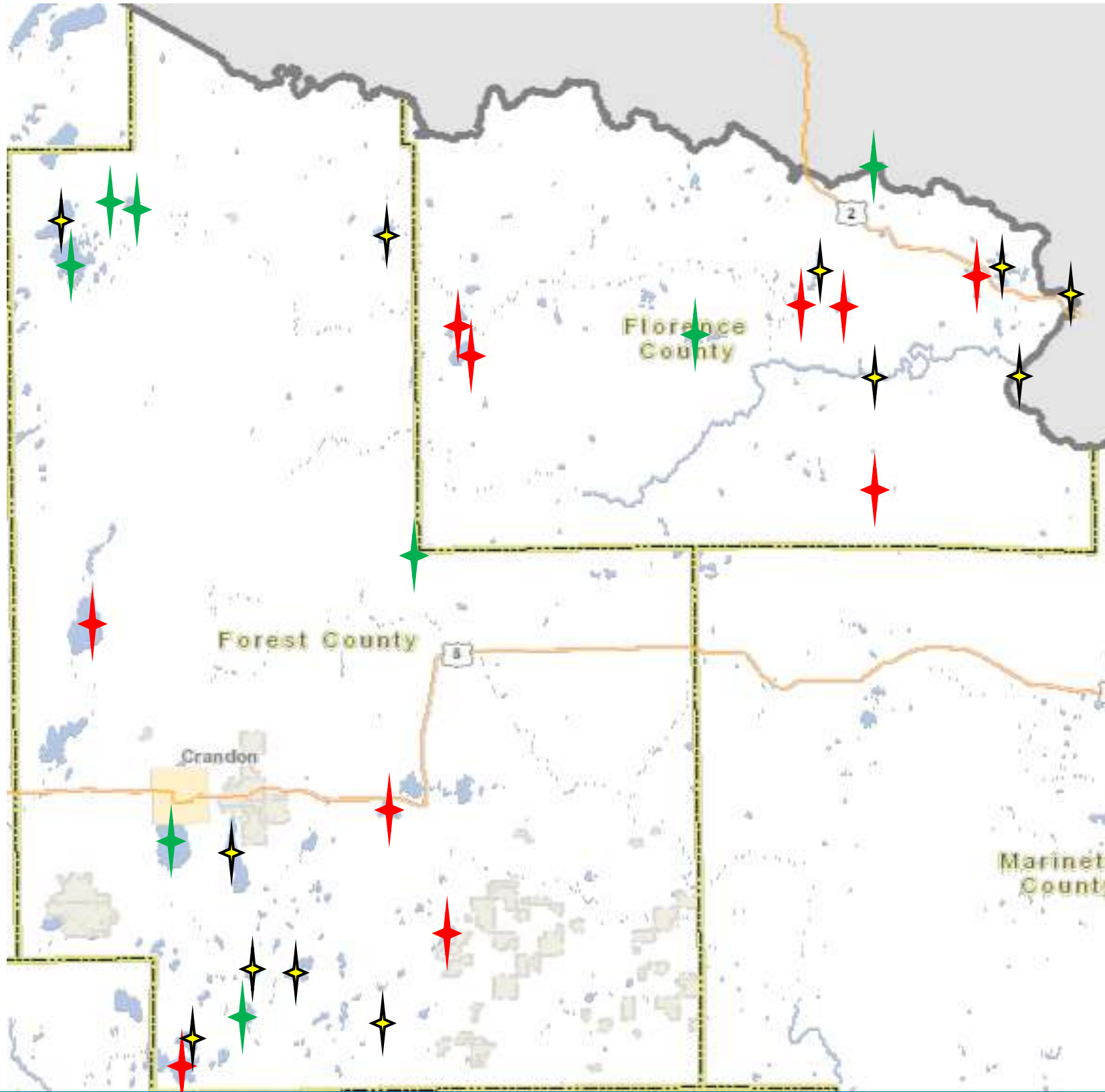
Halsey

Fay

Sand

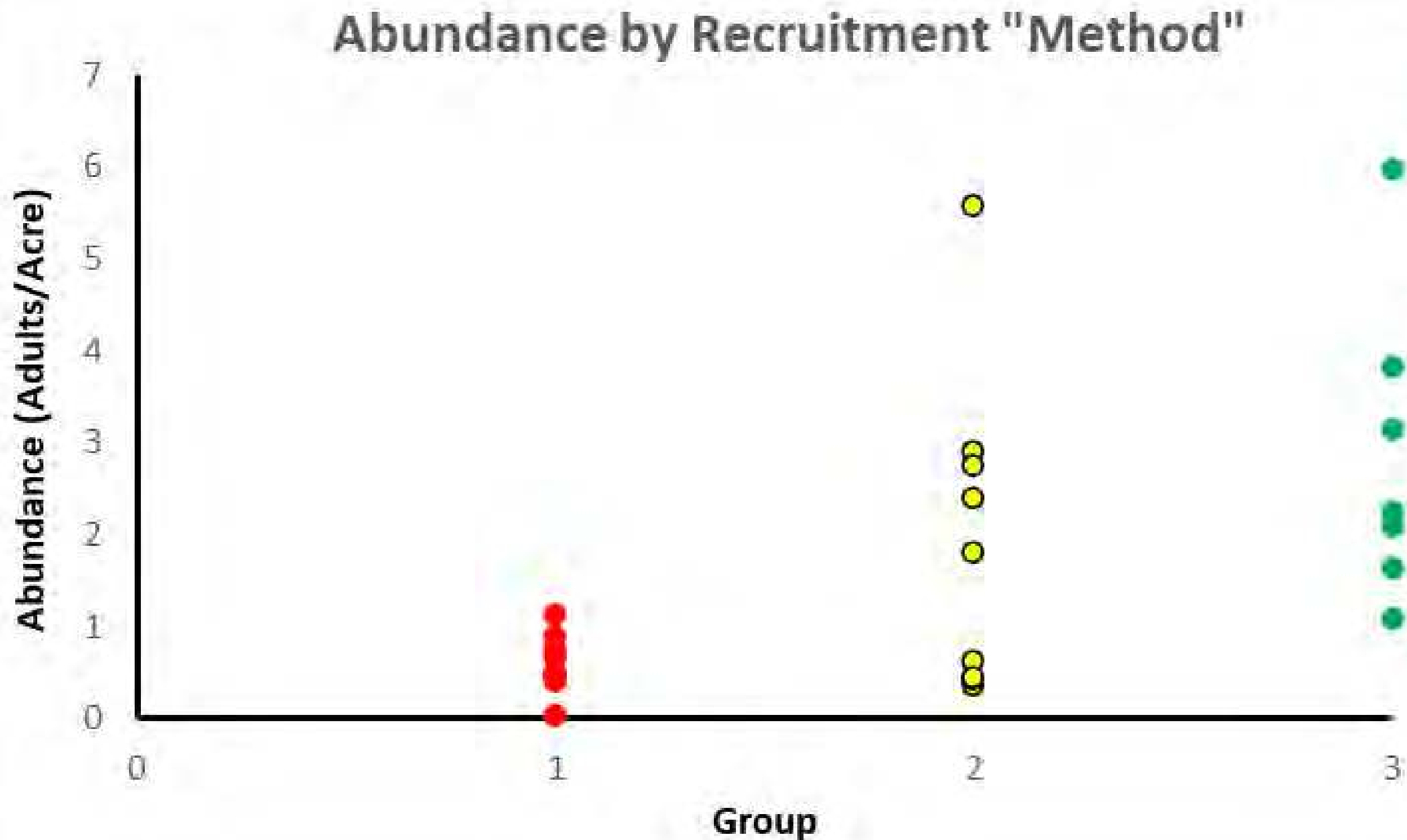
TFF

KF



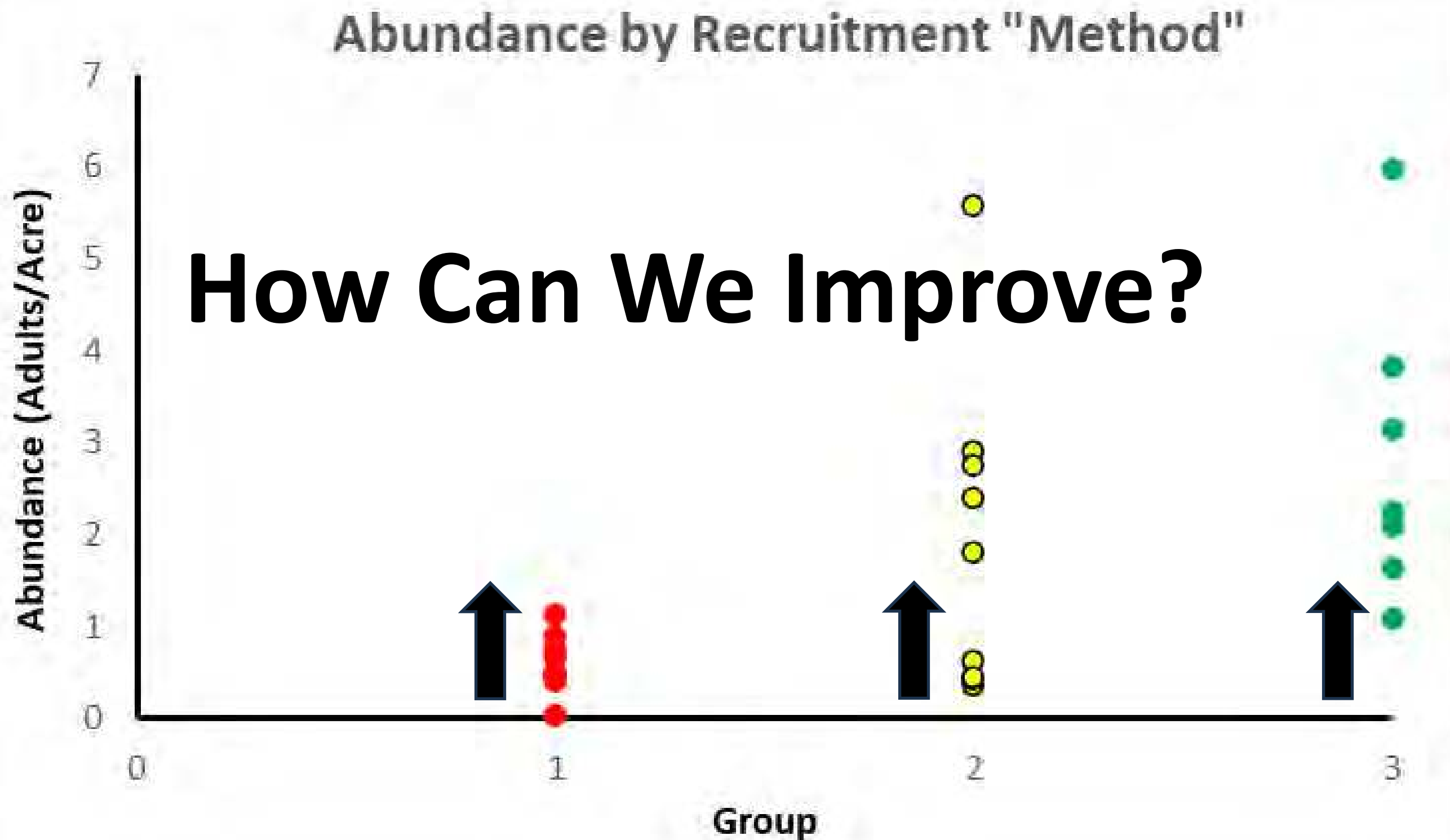
- Stocked
(10)
- Some NR
(12)
- Naturally Reproducing
(8)

Abundance by Recruitment Type



- Stocked (10)
- Some NR (12)
- Naturally Reproducing (8)

Abundance by Recruitment Type



**Stocked
(10)**

Some NR (12)

Naturally Reproducing (8)

Management Techniques

FISH

- ADD Fish
- REMOVE Fish

HABITAT

- ADD Habitat
- REMOVE Habitat

PEOPLE

- ADD Regulations
- REMOVE Regulations

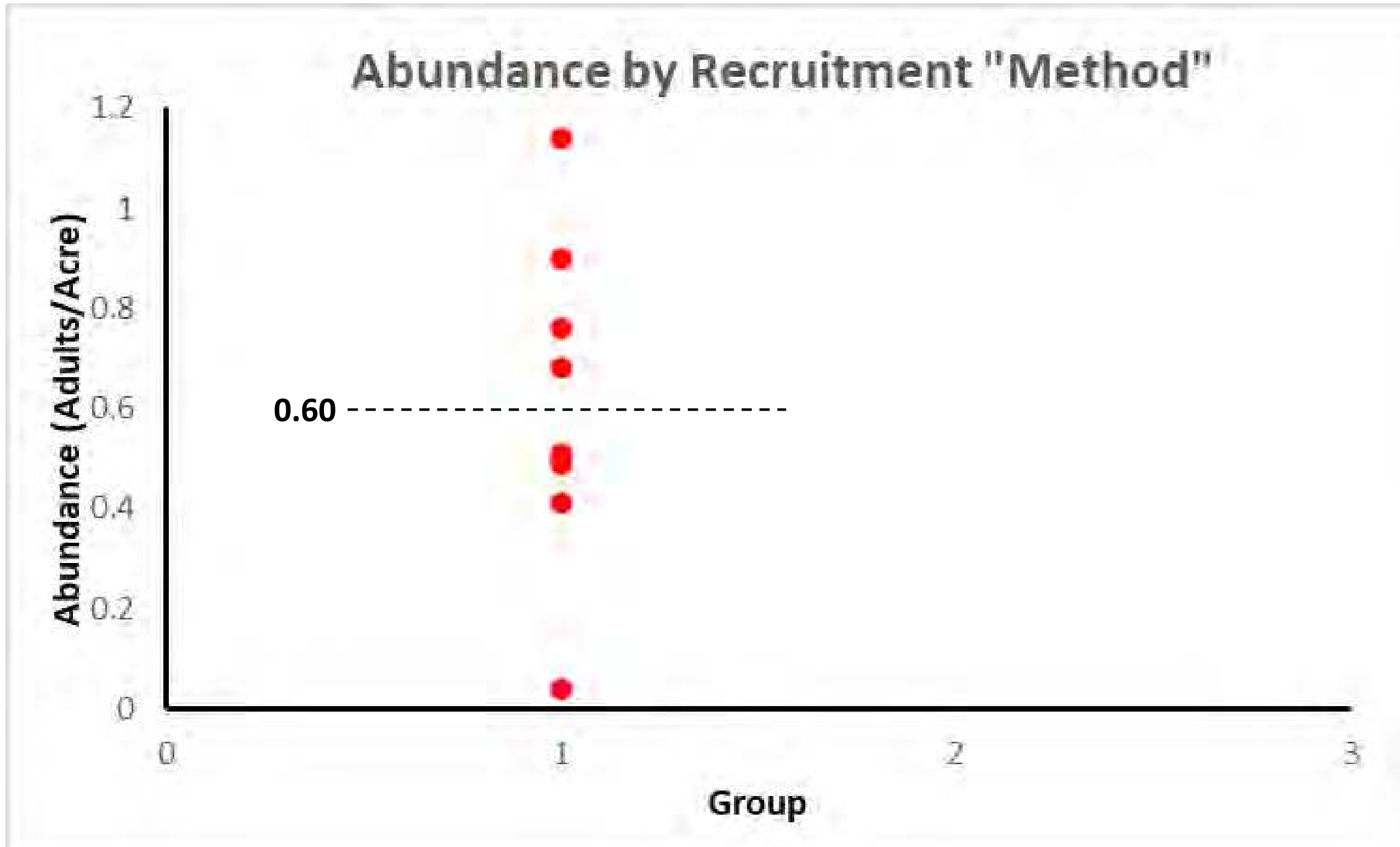


Stocked
(10)

Some NR
(12)

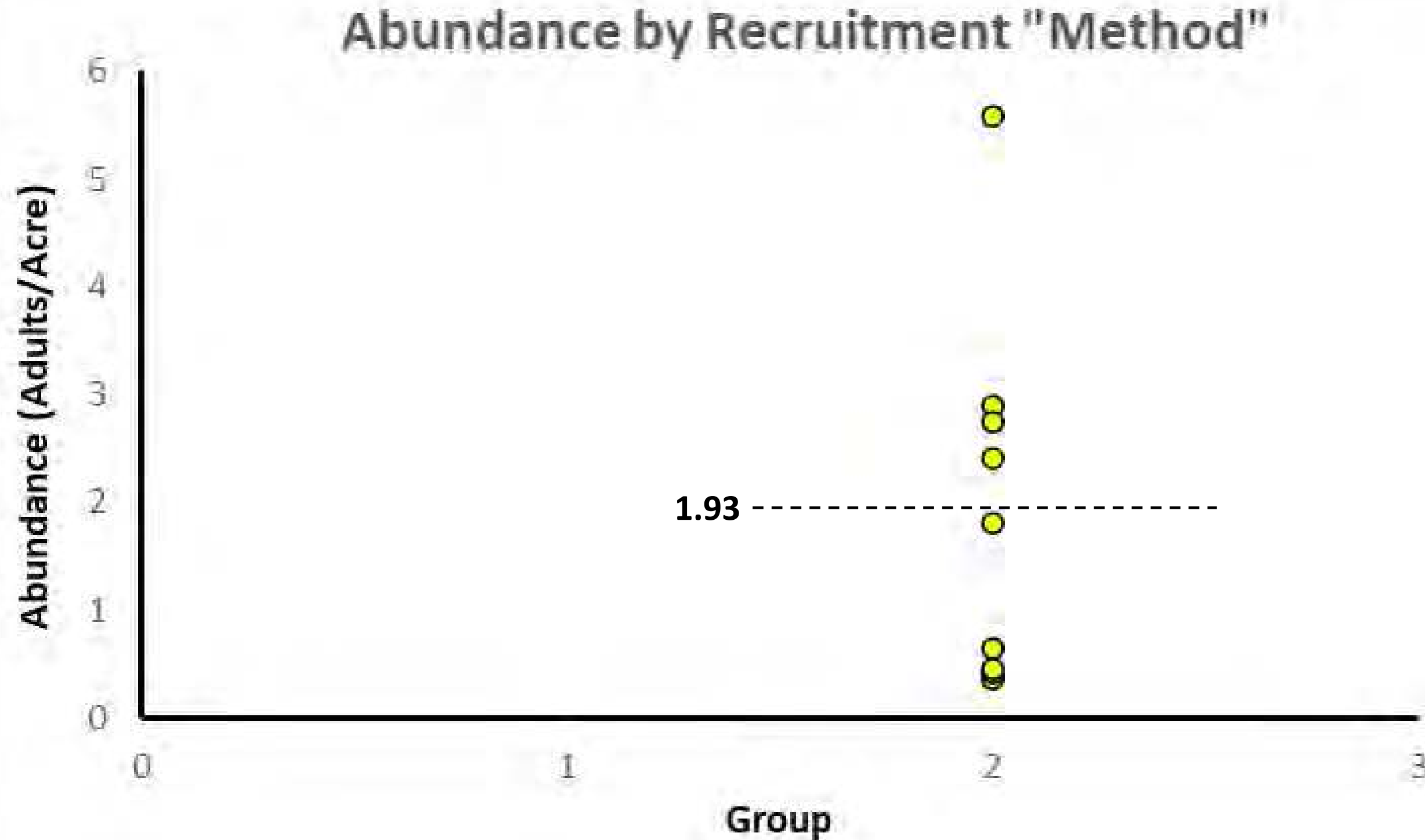
Naturally Reproducing
(8)

NO Natural Reproduction



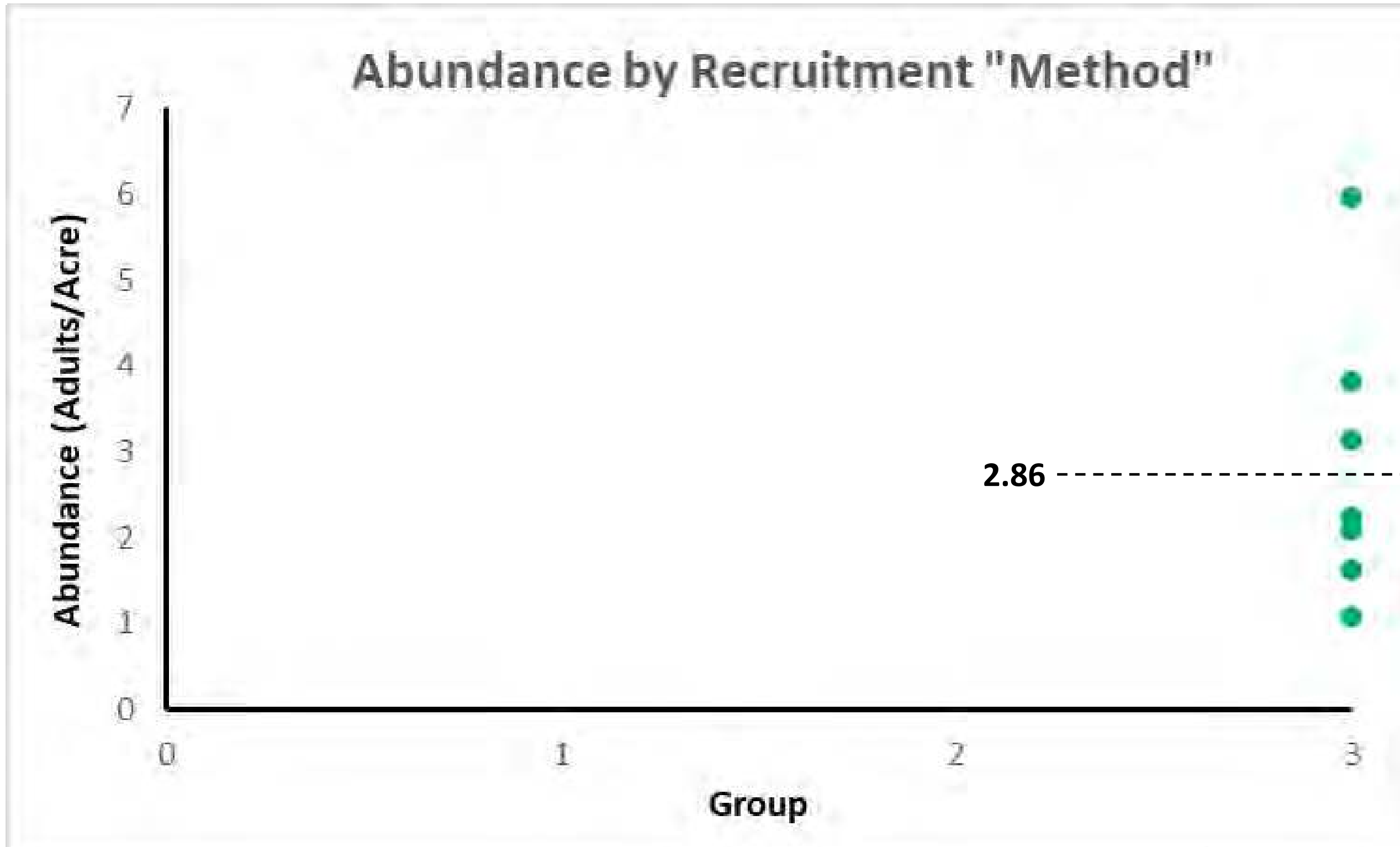
Stocked
(10)

LOW Natural Reproduction + Stocking



Some NR
(12)

Naturally Reproducing



Naturally Reproducing
(8)

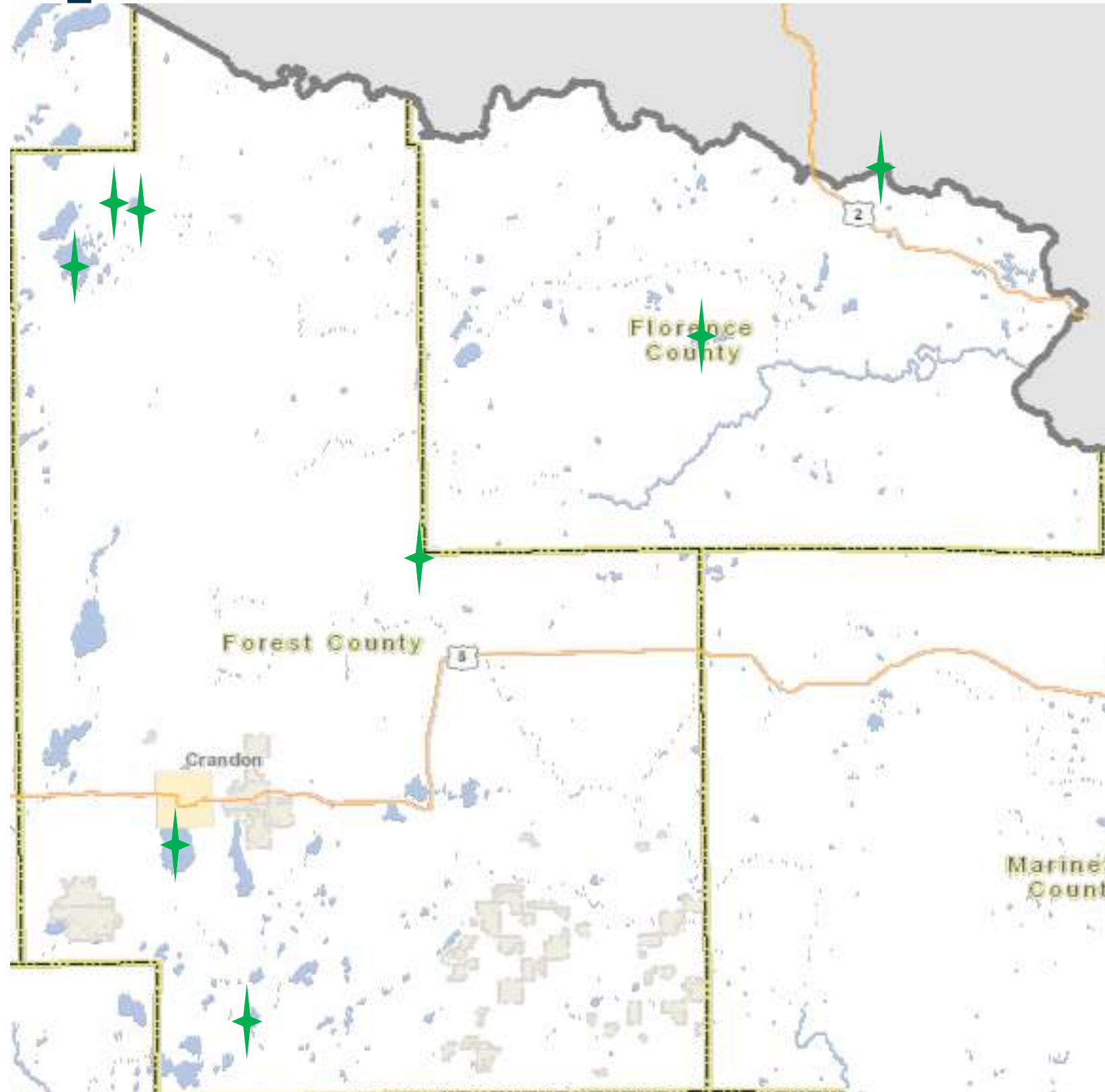
Naturally Reproducing



Naturally Reproducing
(8)

Natural Reproduction

Howell
BRF
Bnut
Metonga
Lily
Patten
Quartz
Van Zile



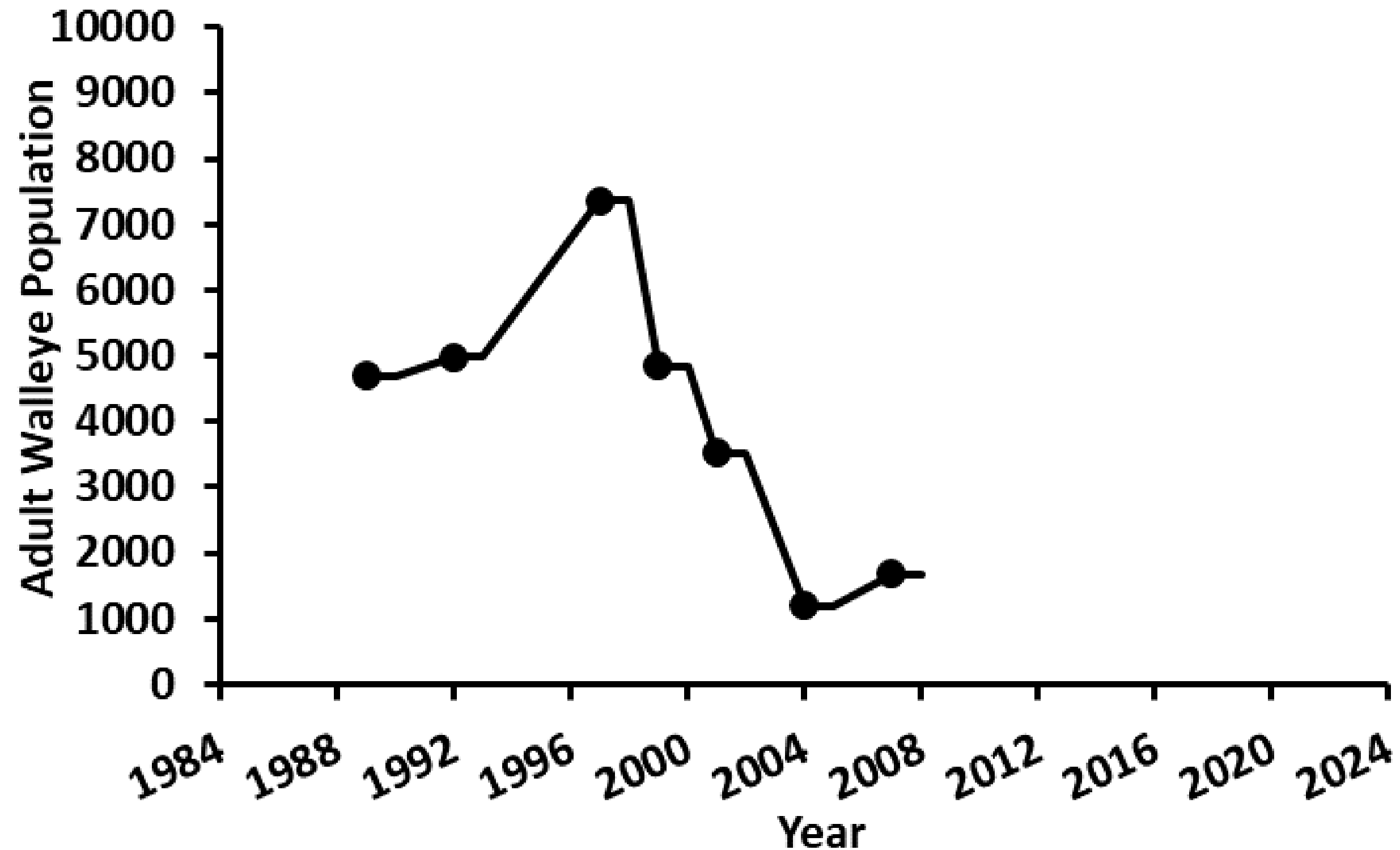
Naturally Reproducing
(8)

Lake Metonga

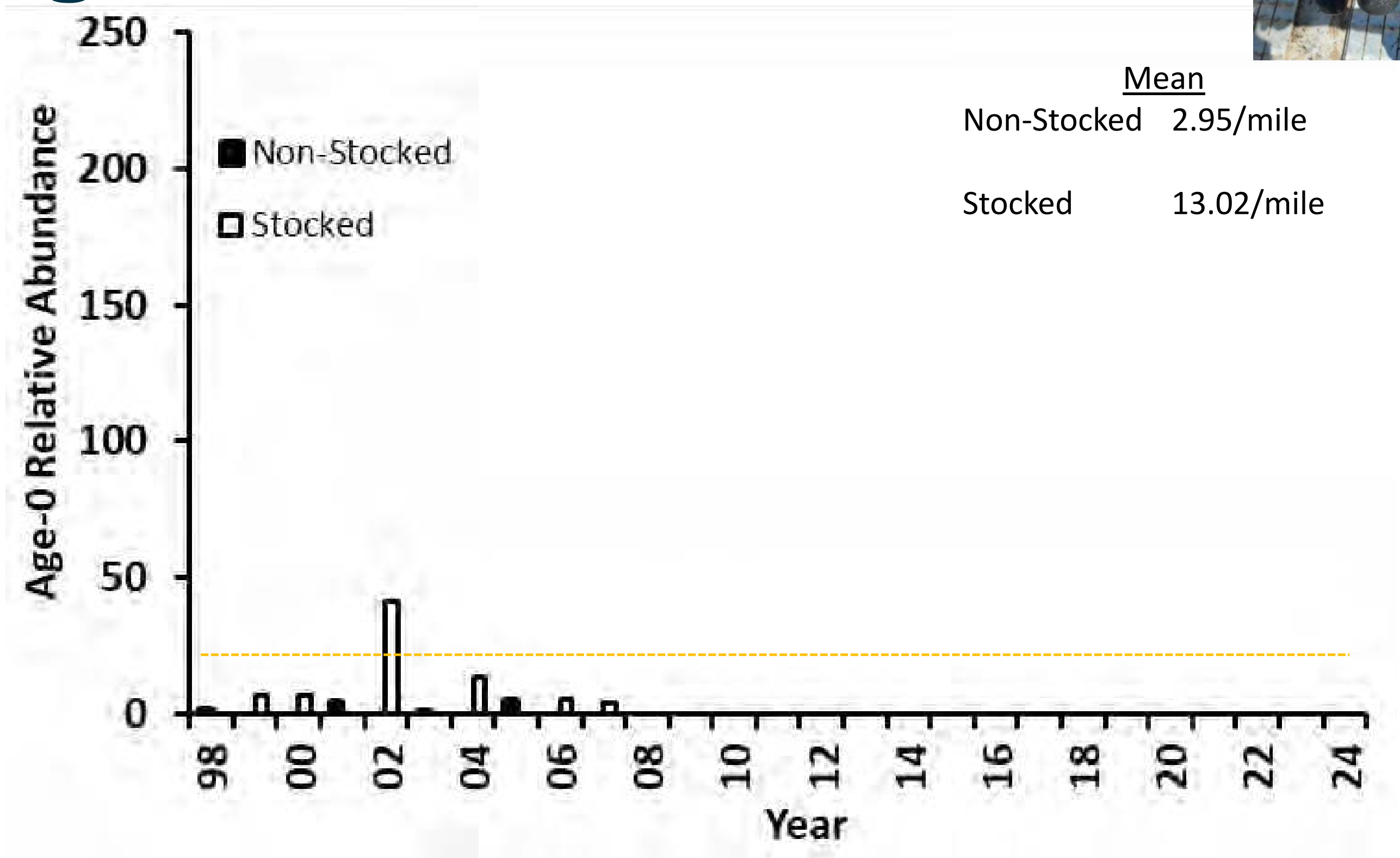
- 1,991-Acres
- First Stocking – 1937
- Stocked Regularly
 - 1937-1955
 - 1978-2012



Metonga - Adult Abundance



Metonga - Recruitment



Bio Manipulation Project - Mole Lake

Year	Bullhead Removed (lbs)	Bullhead Removed (#)	Avg Length (in)	Avg Weight (lbs)
2008	13337	11802	11.2	1.1
2009	6216	5053	11.6	1.2
2010	2597	2112	12.0	1.2

2008-10 22,150 lbs 18,967 fish
 11.13/ac 9.53/ac

2011	65	50	12.2	1.3
2012	1163	2609	7.9	0.4
2013	ND	290	9.7	ND
2014	3836	5857	9.0	0.7

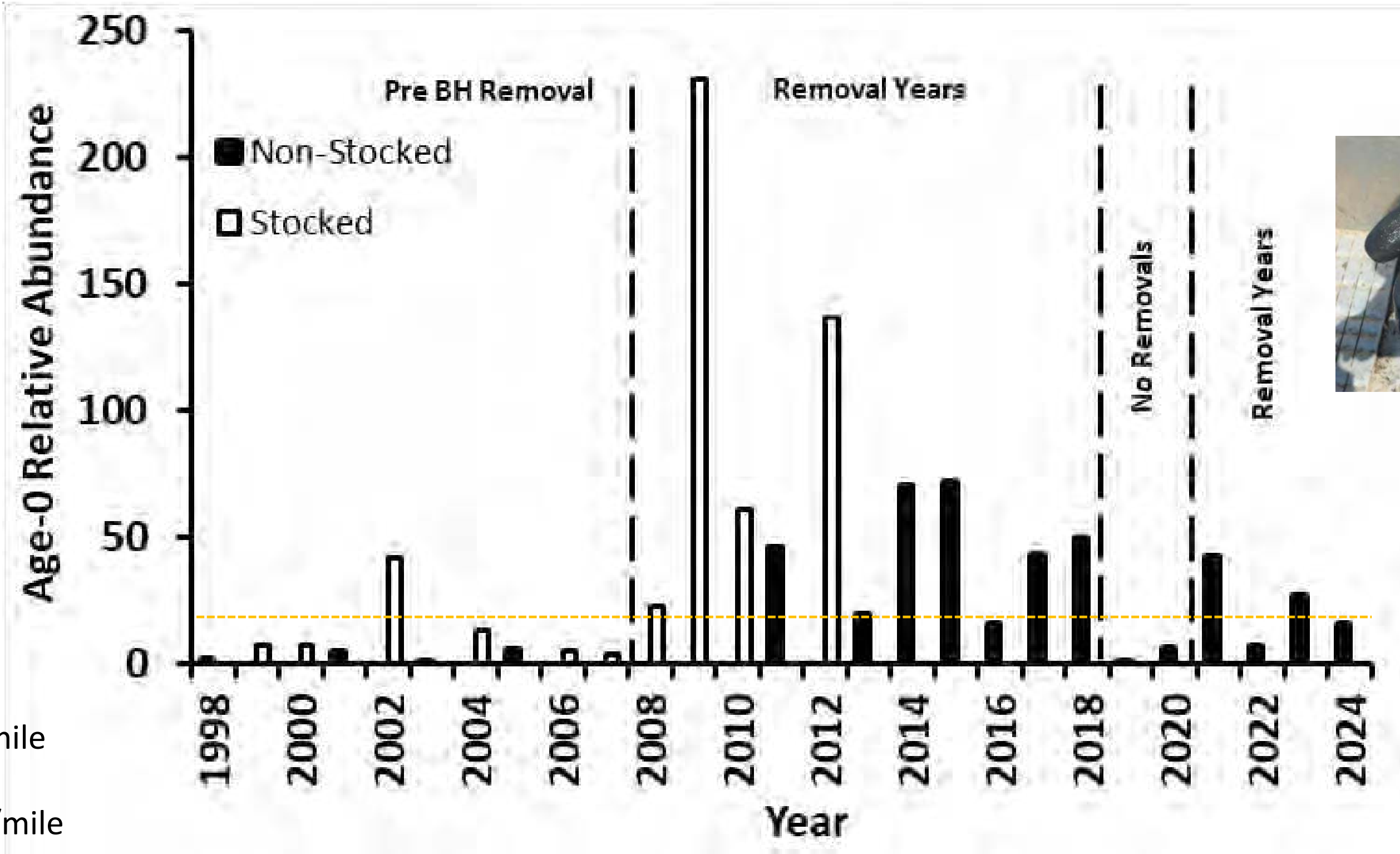
2011-14 8,806 fish
 4.42/ac



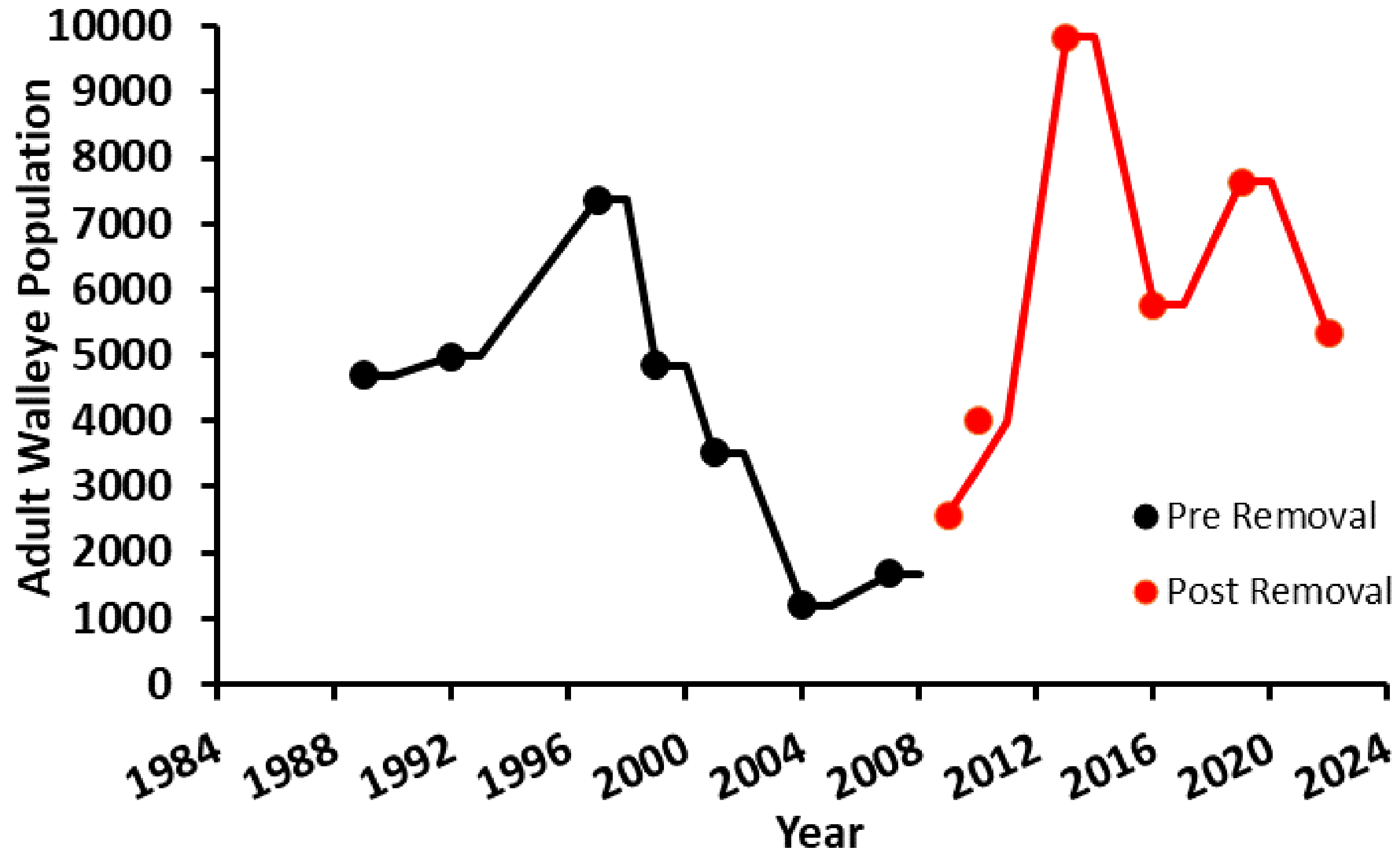
Bio-manipulation Project - LA



Metonga - Recruitment



Metonga - Adult Abundance

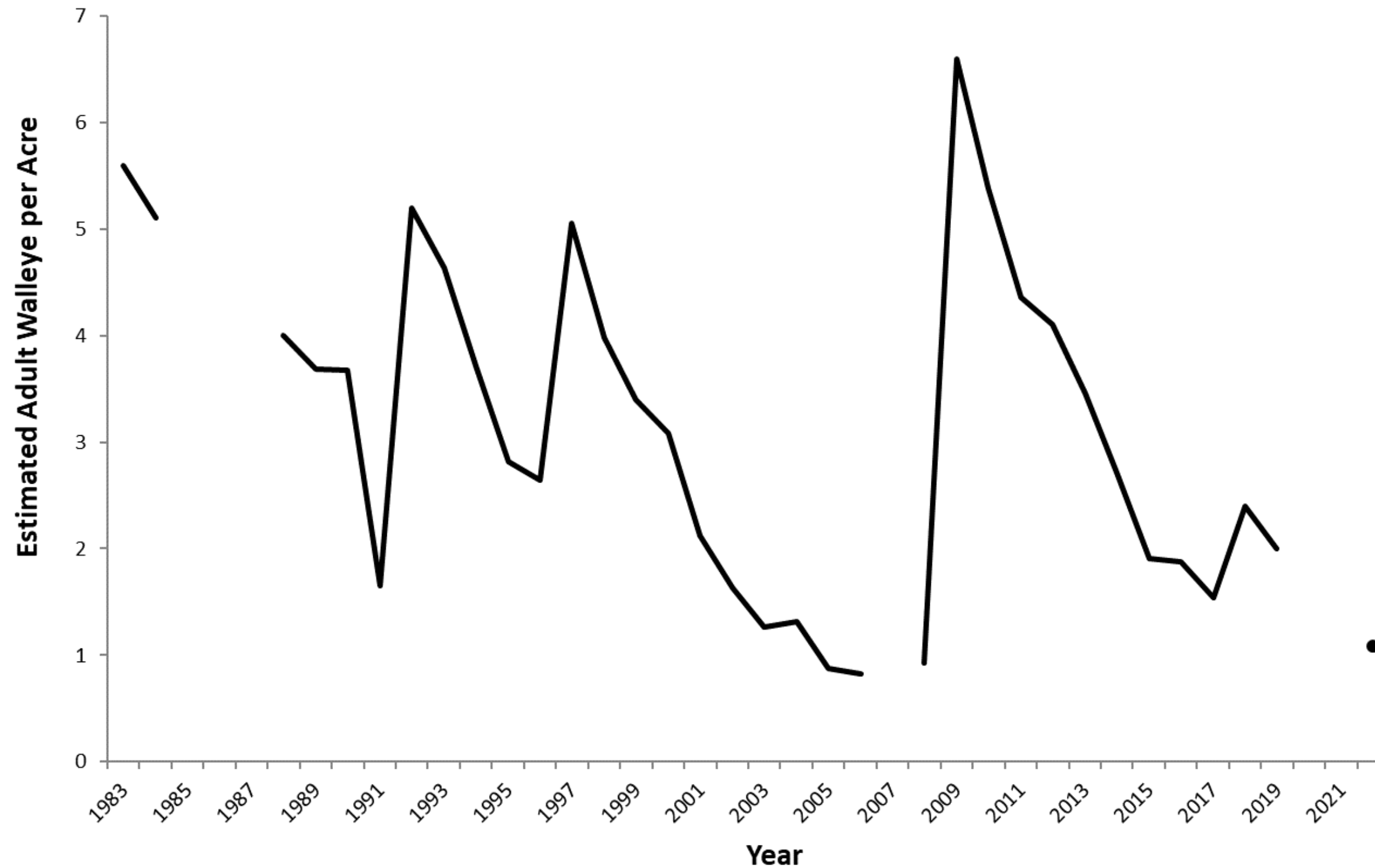


Butternut Lake

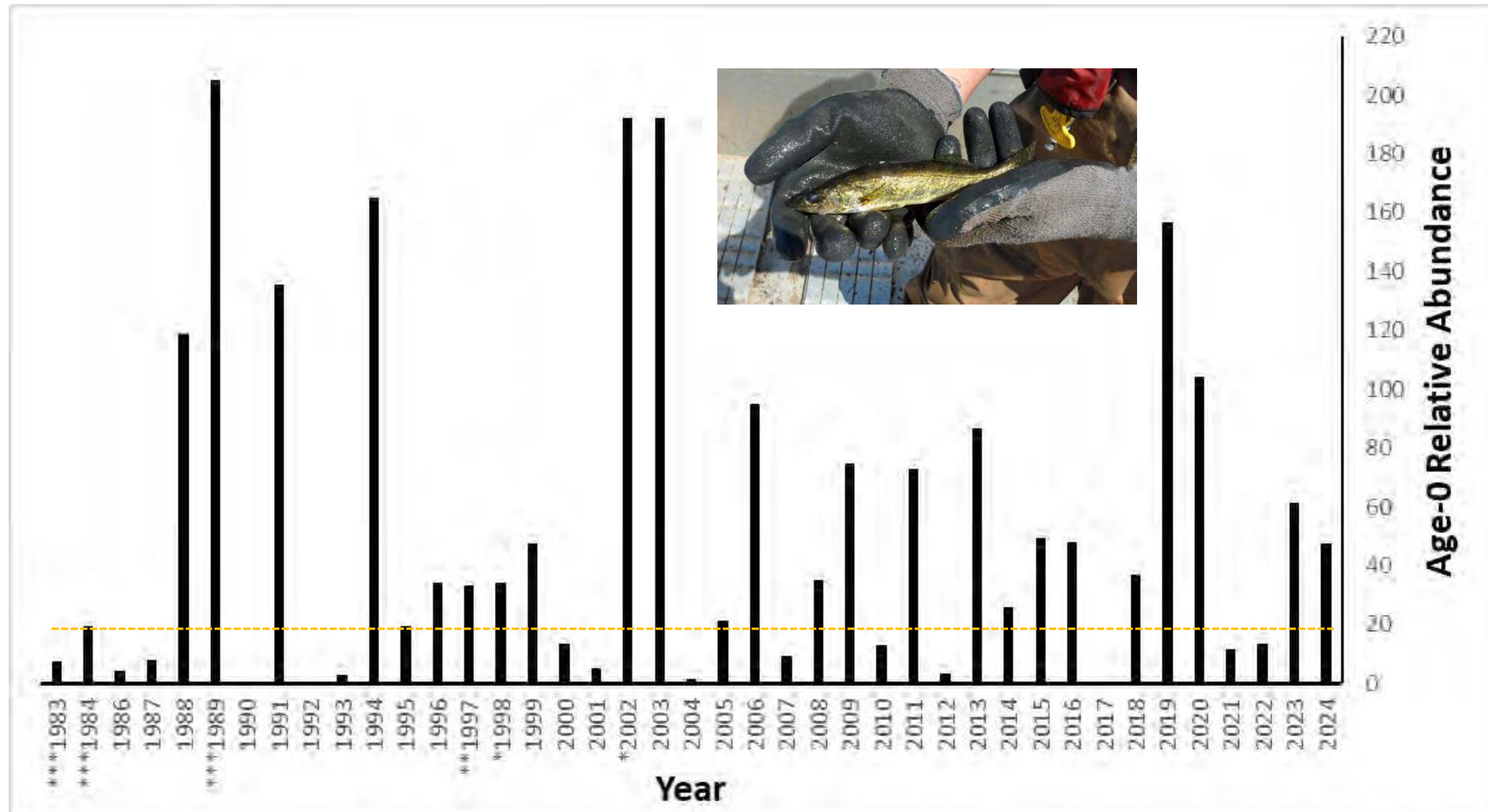
- 1,292-Acres
- Walleye Presumed to be Native
- Surveyed Extensively
 - WDNR
 - GLIFWC
 - Mole Lake Fisheries



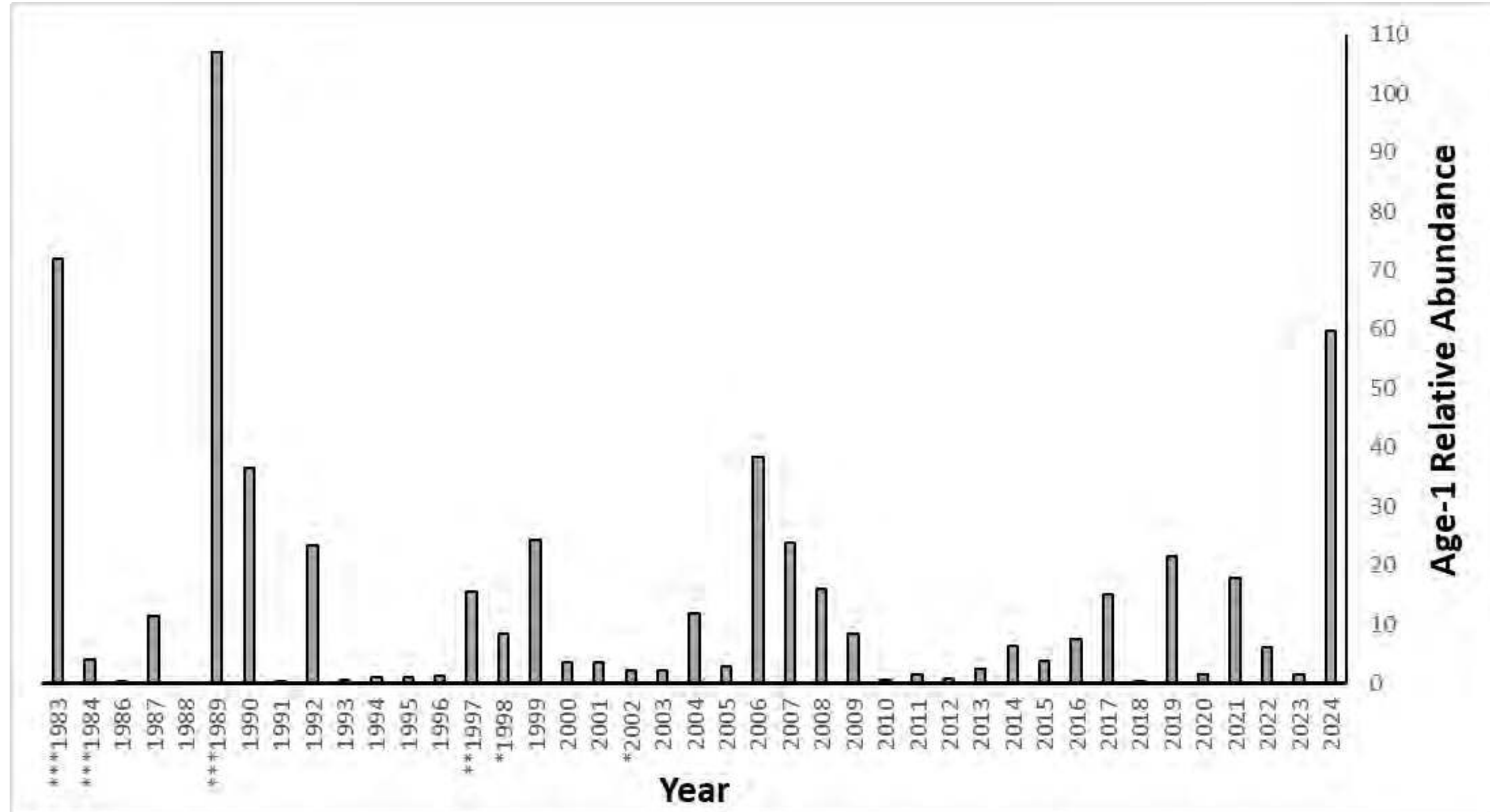
Butternut - Adult Abundance



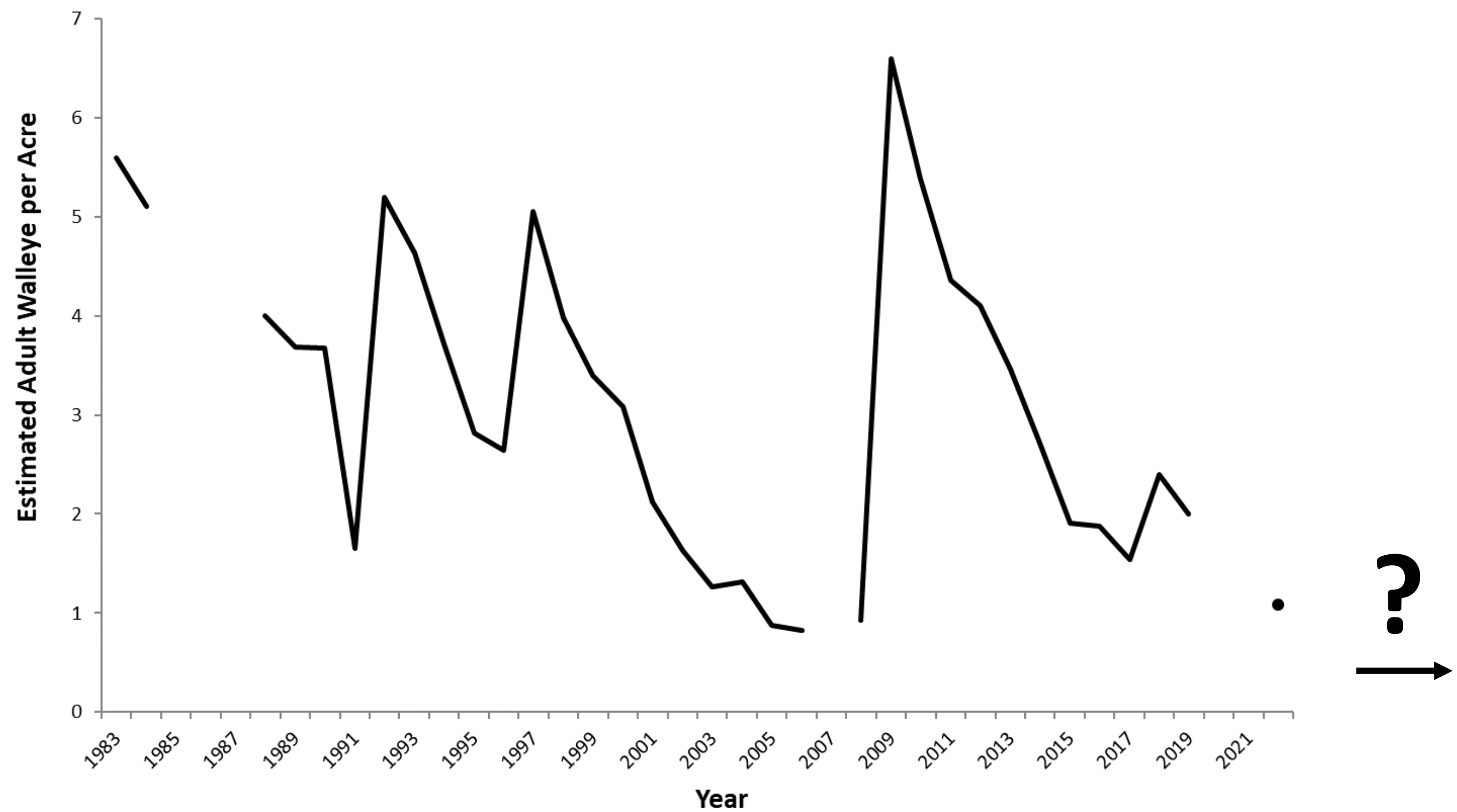
Butternut - Recruitment



Butternut - Recruitment



Butternut - Adult Abundance

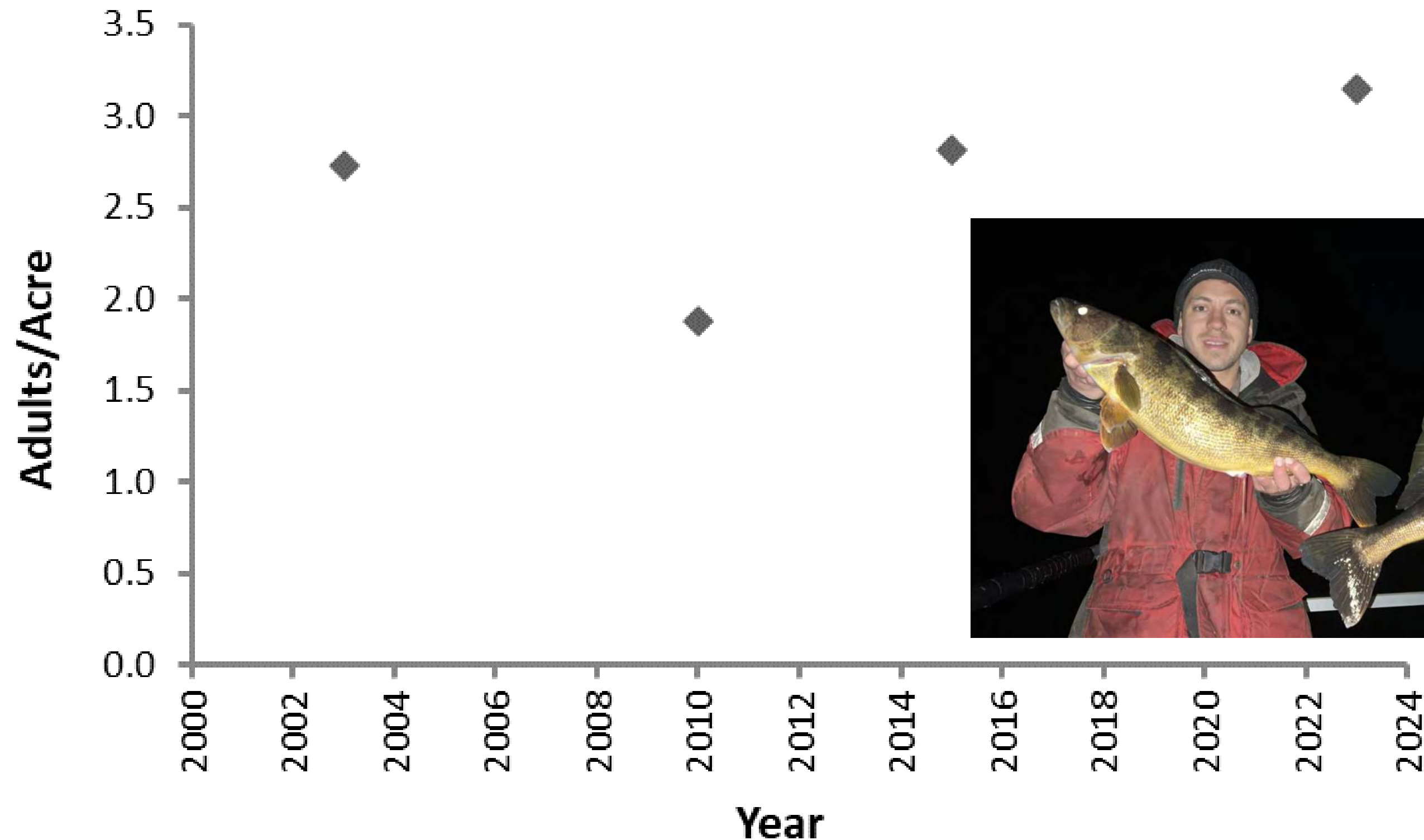


Brule River Flowage/Paint Pond

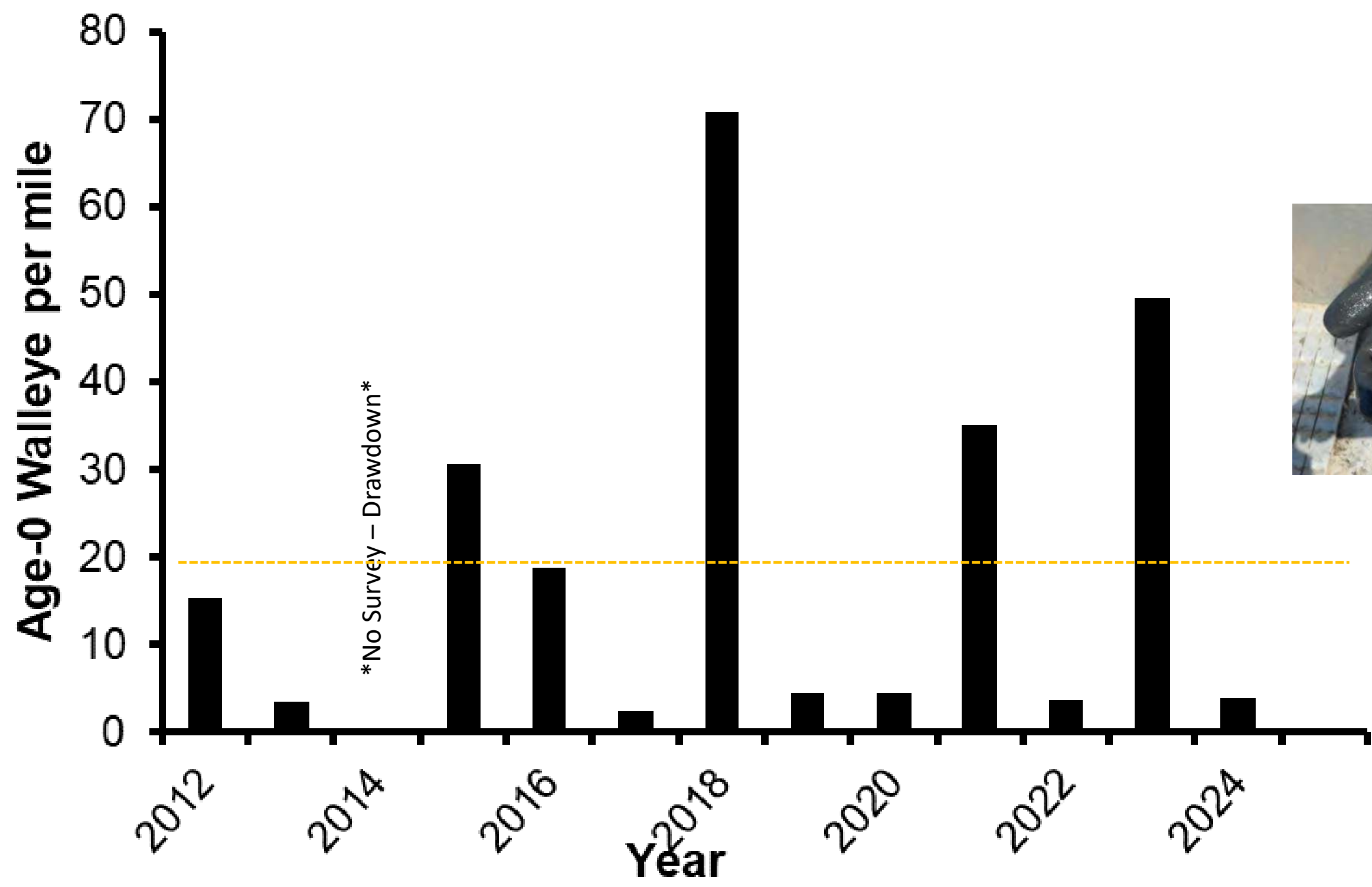
- 550-Acres
- MI-WI Boundary Water
- Walleye Presumed to be Native
- Relatively Light Mgmt History



BRF - Adult Abundance



BRF - Recruitment

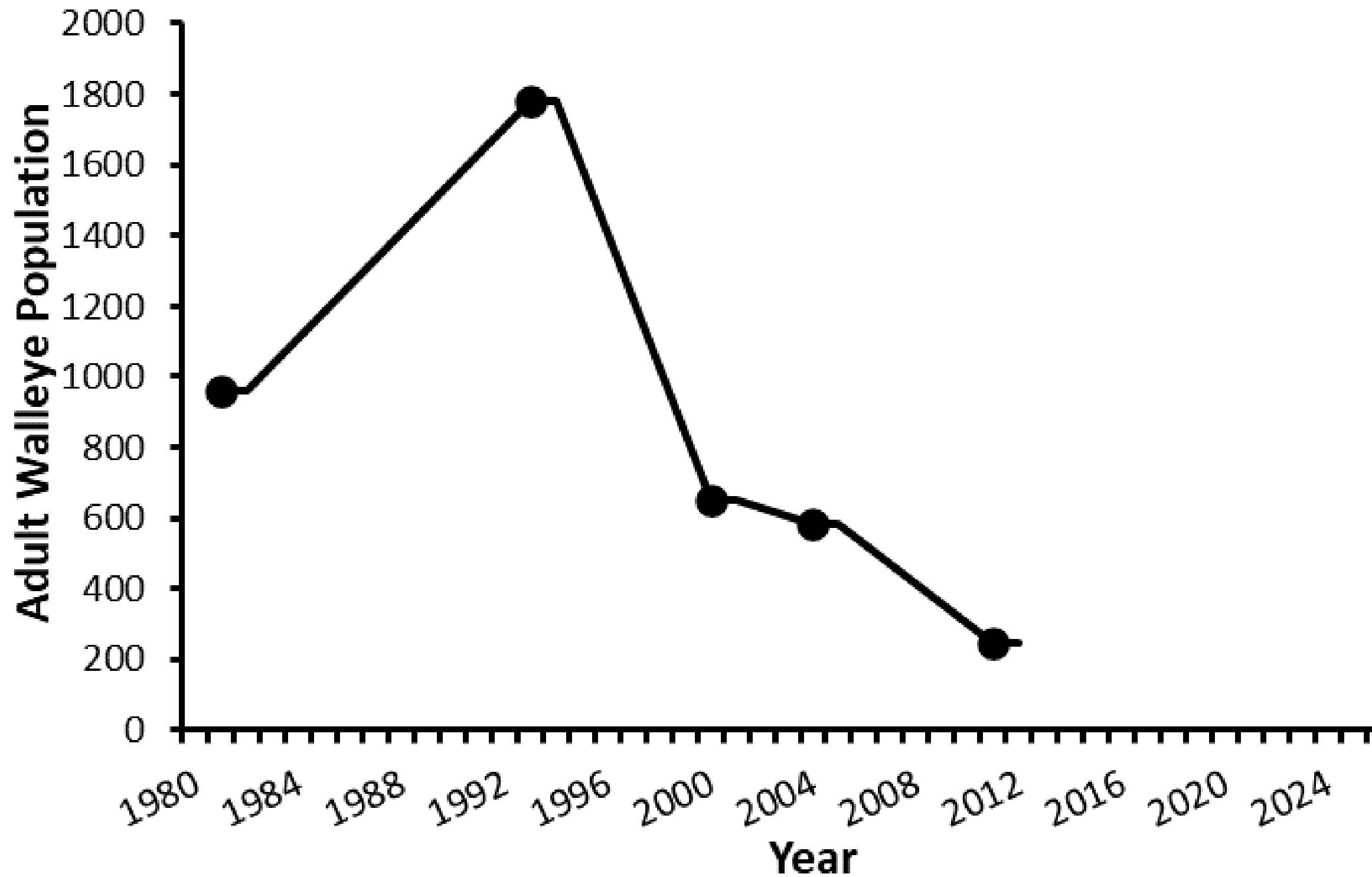


Patten Lake

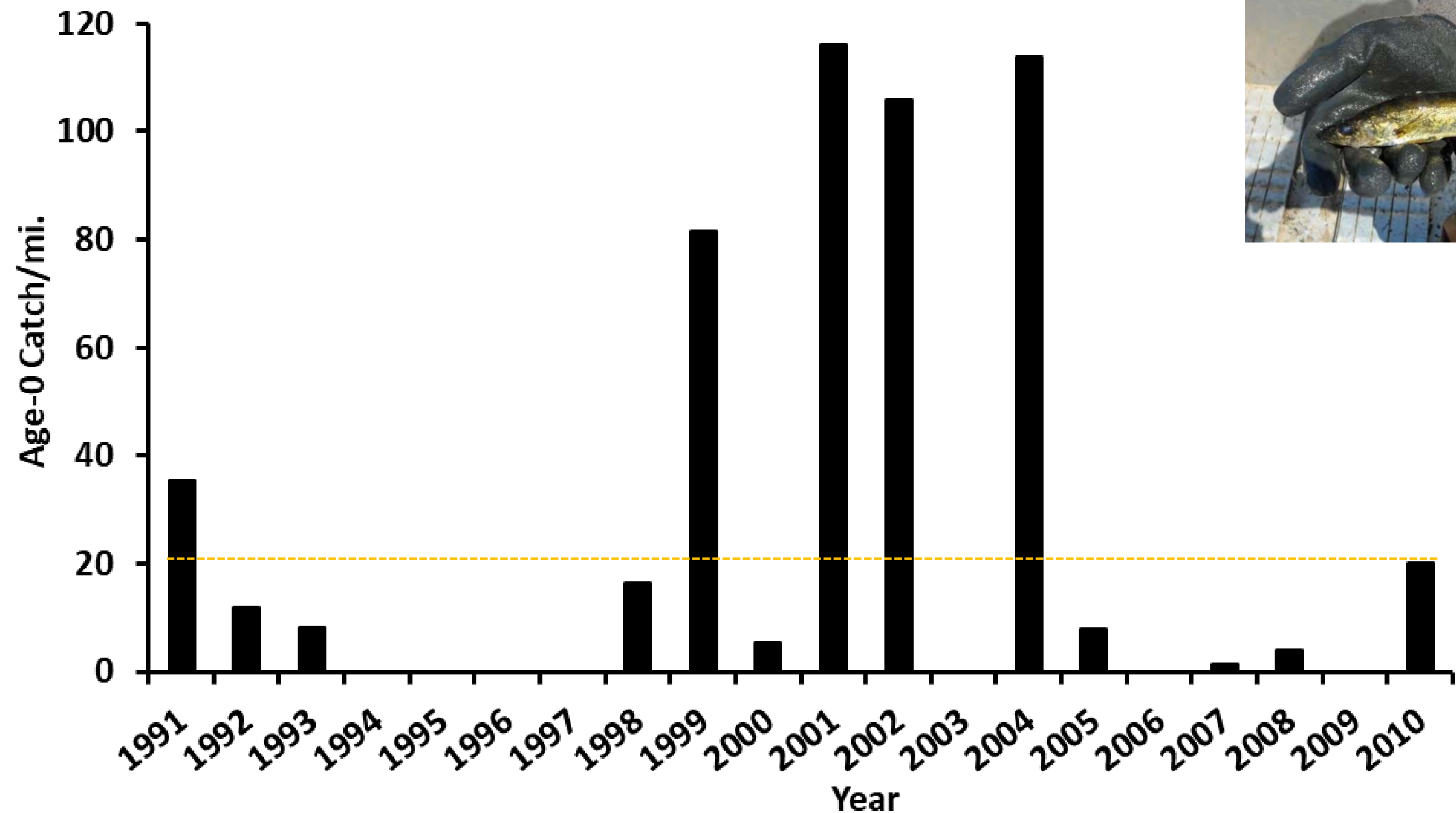
- 255-Acres
- Walleye Introduced in 1974



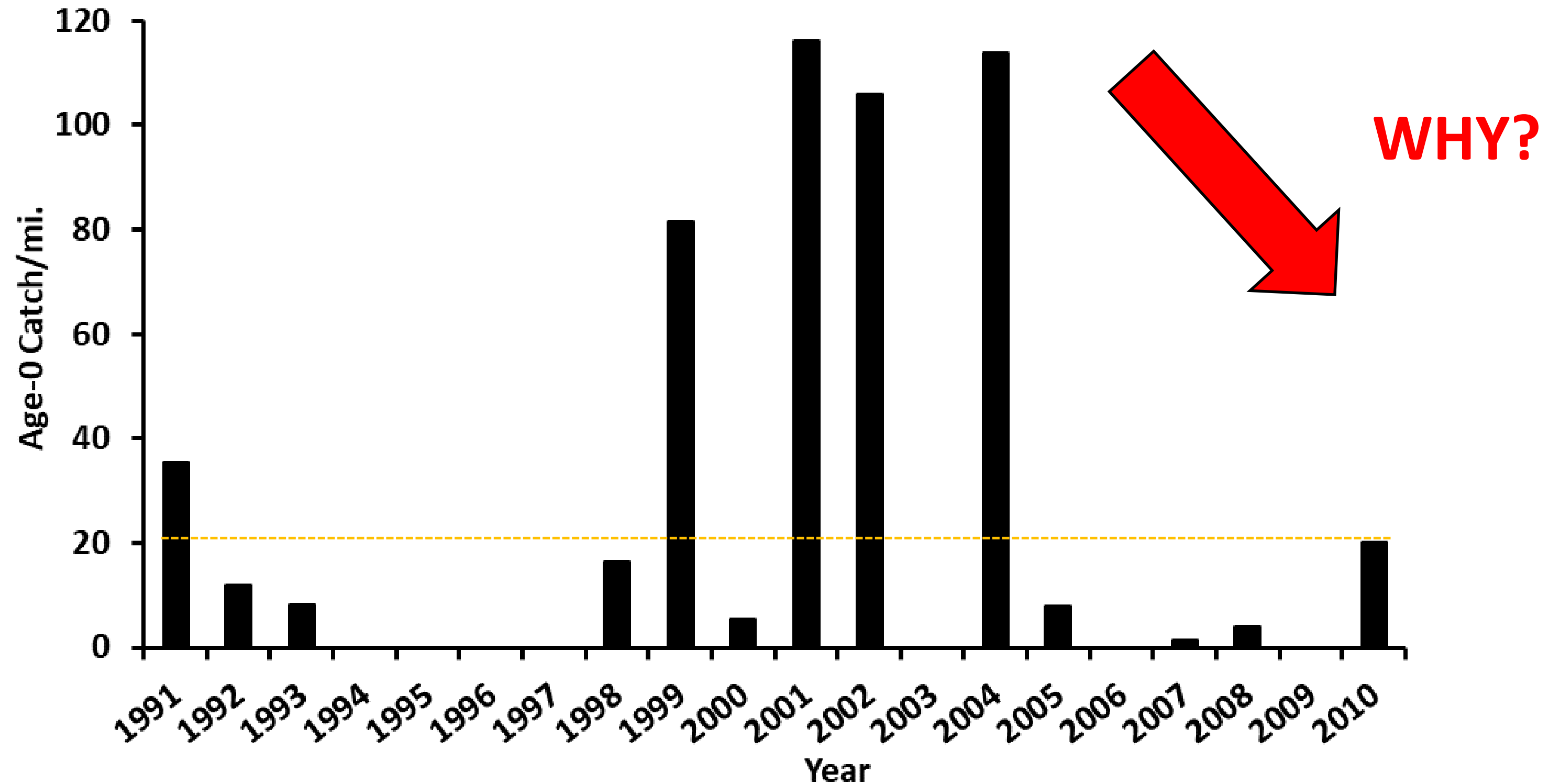
Patten - Adult Abundance



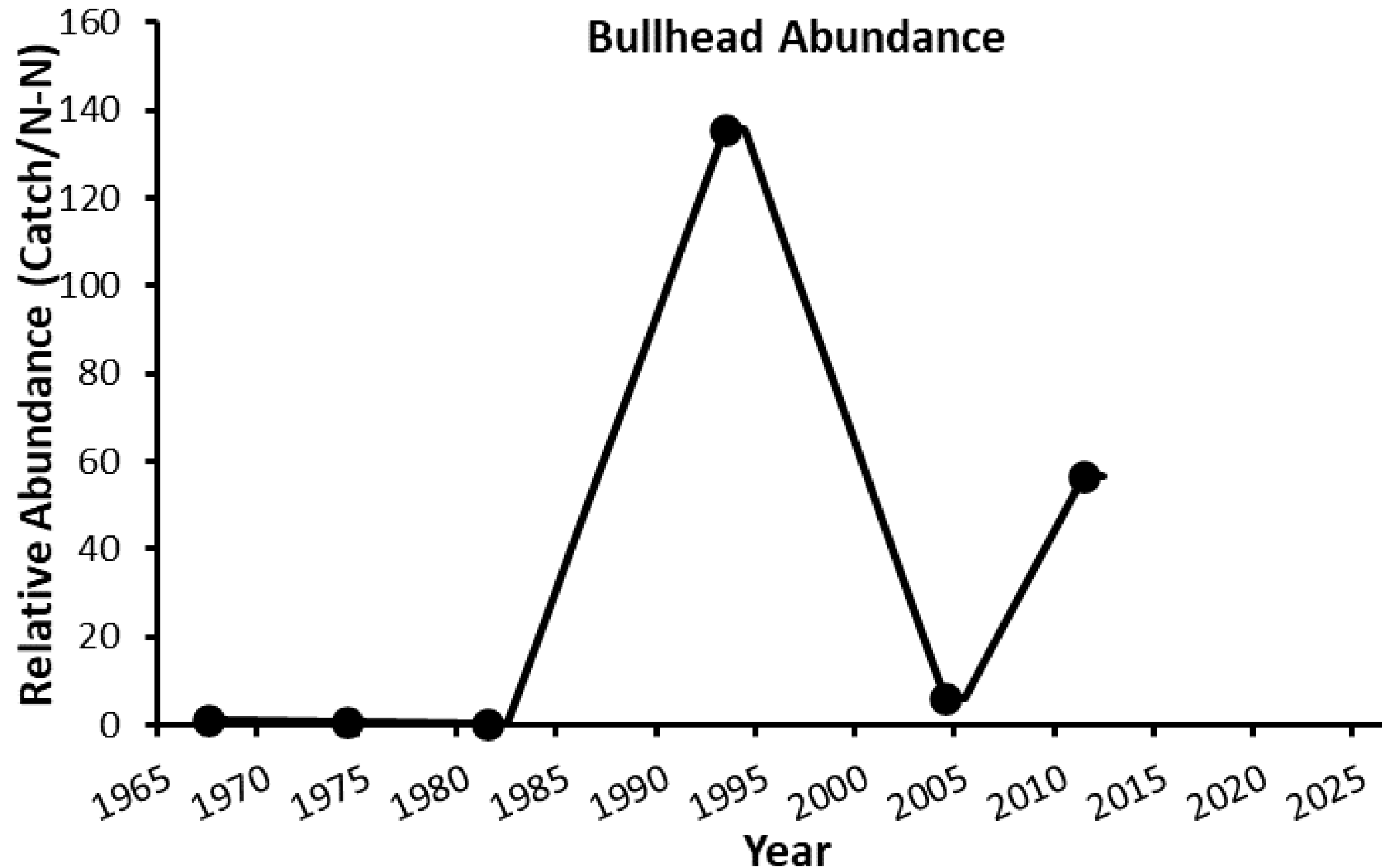
Patten - Recruitment



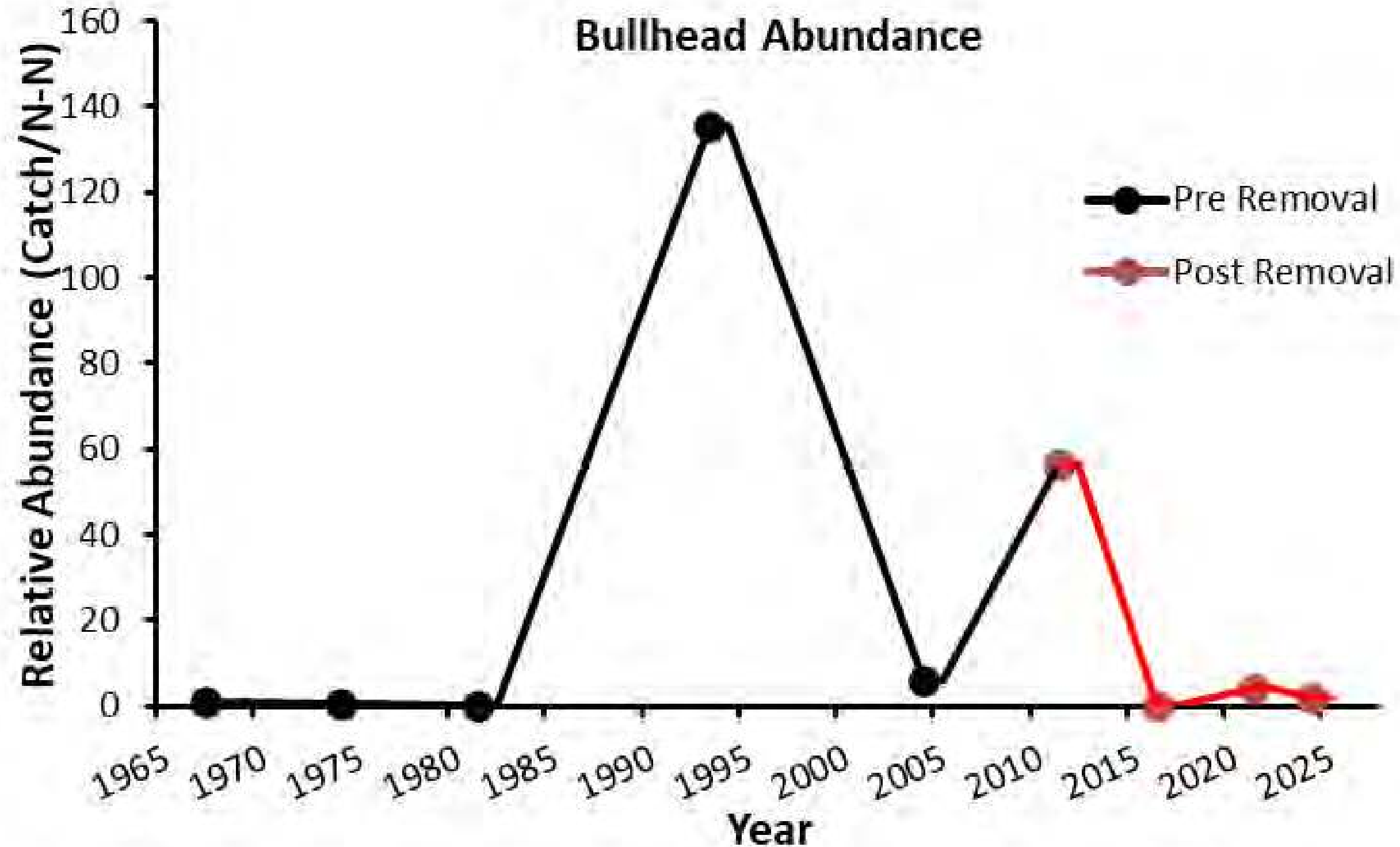
Patten - Recruitment



Patten - BH Abundance



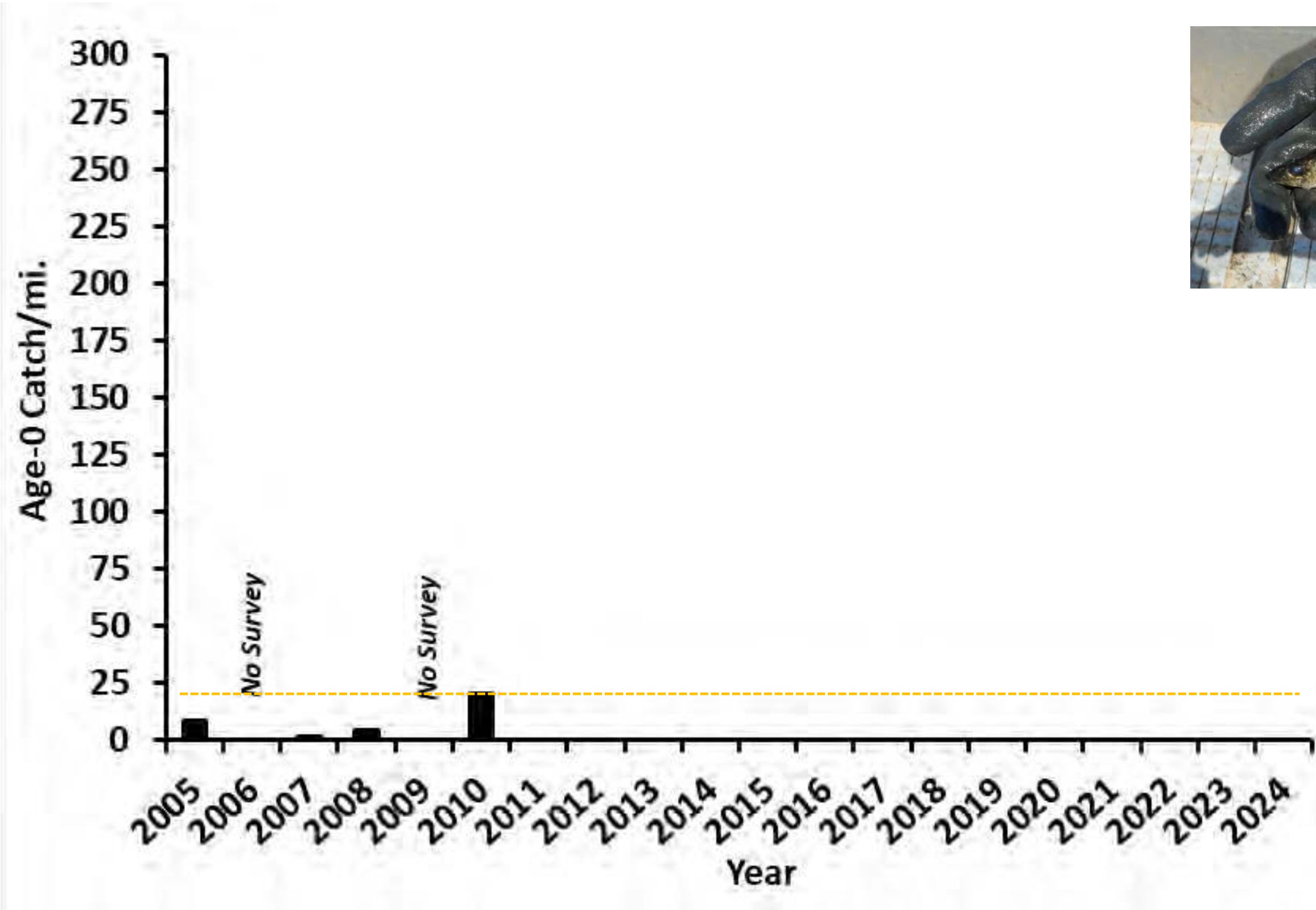
Patten - Biomanipulation Project



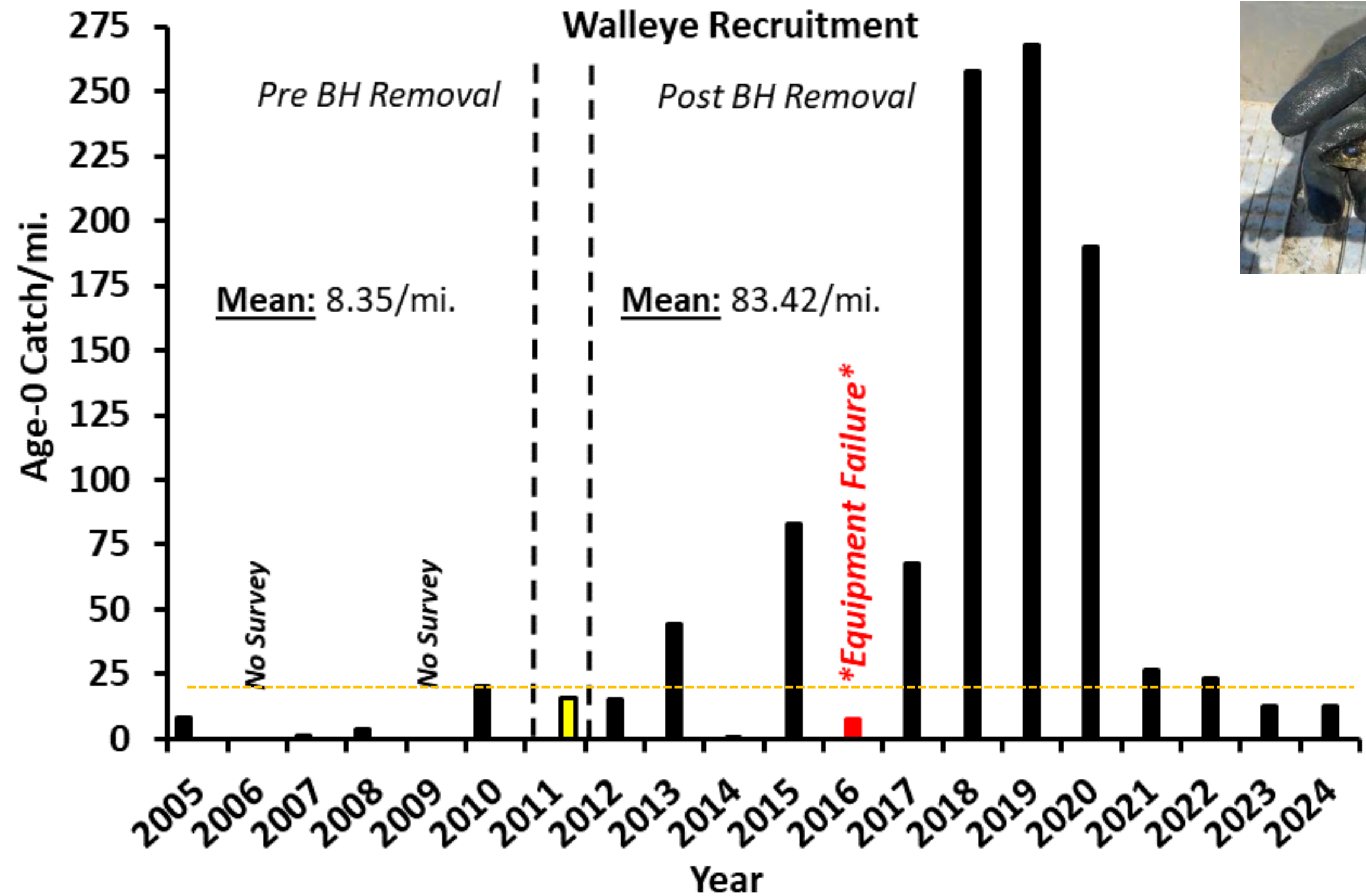
Patten - Biomanipulation Project



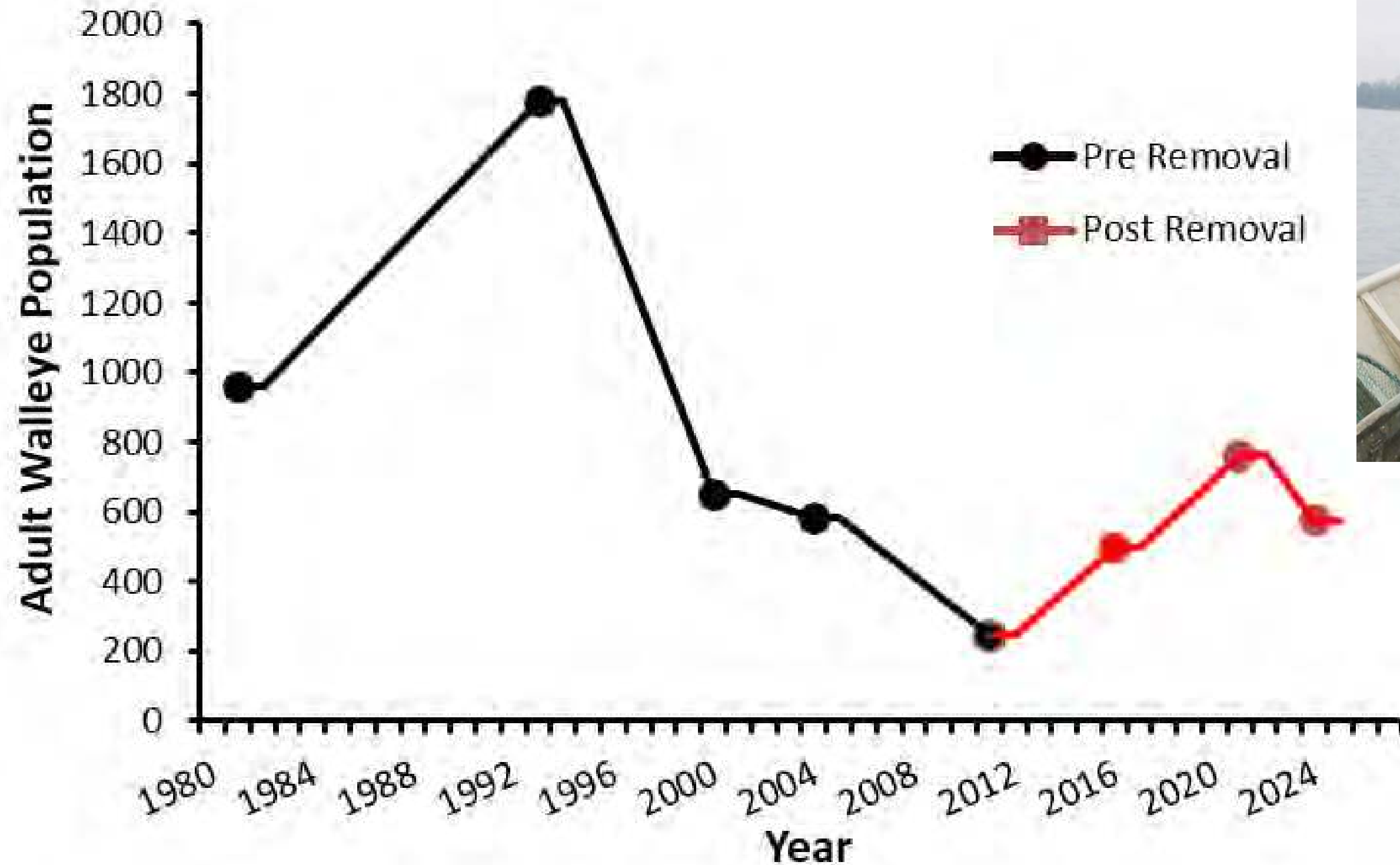
Patten - Recruitment



Patten - Recruitment



Patten - Adult Abundance

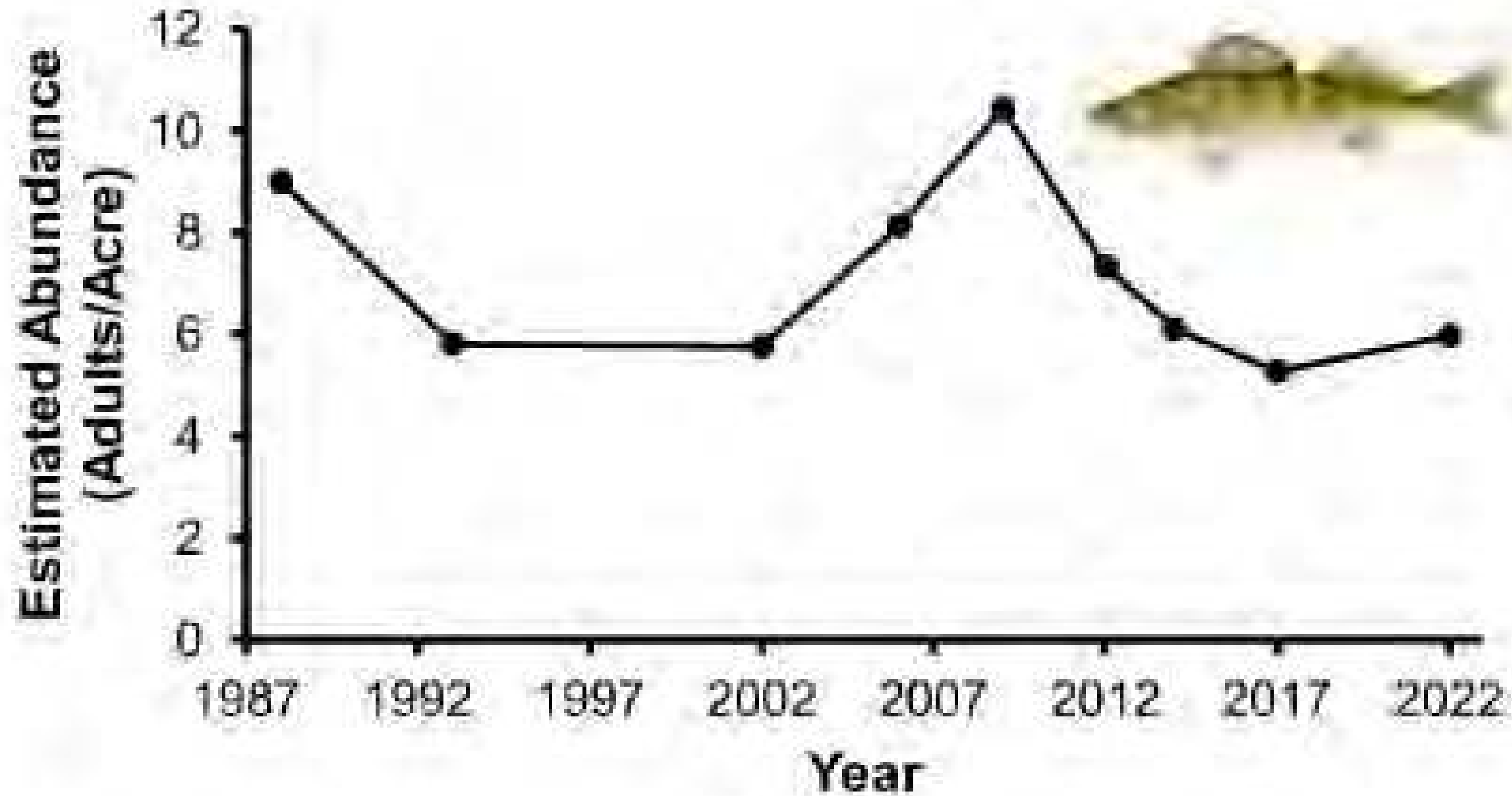


Lily Lake

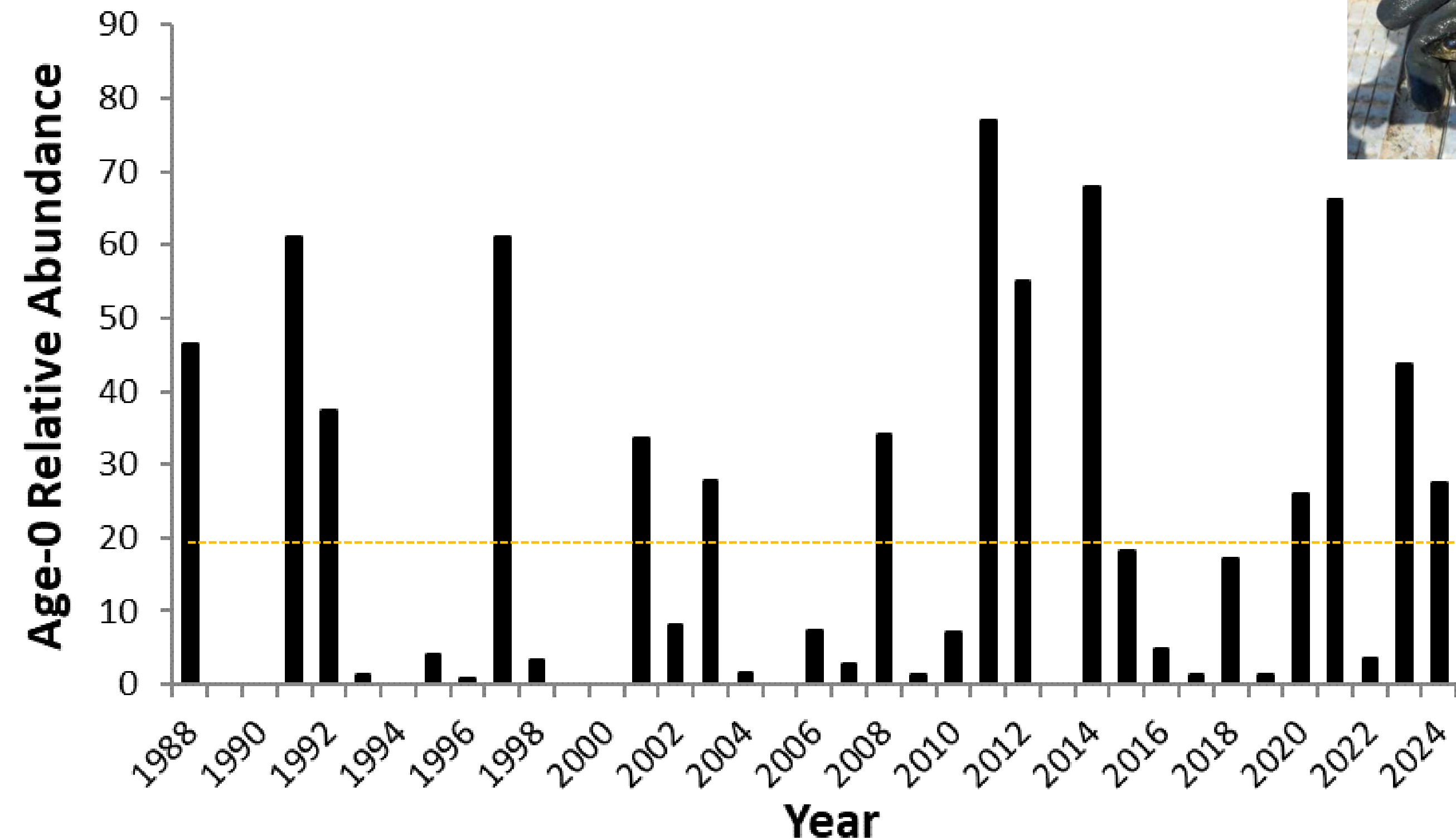
- 211-Acres
- Walleye Documented in 1936
- Surveyed Extensively
 - WDNR – Fish Mgmt
 - WDNR – Treaty
 - Mole Lake Fisheries



Lily - Adult Abundance



Lily - Recruitment

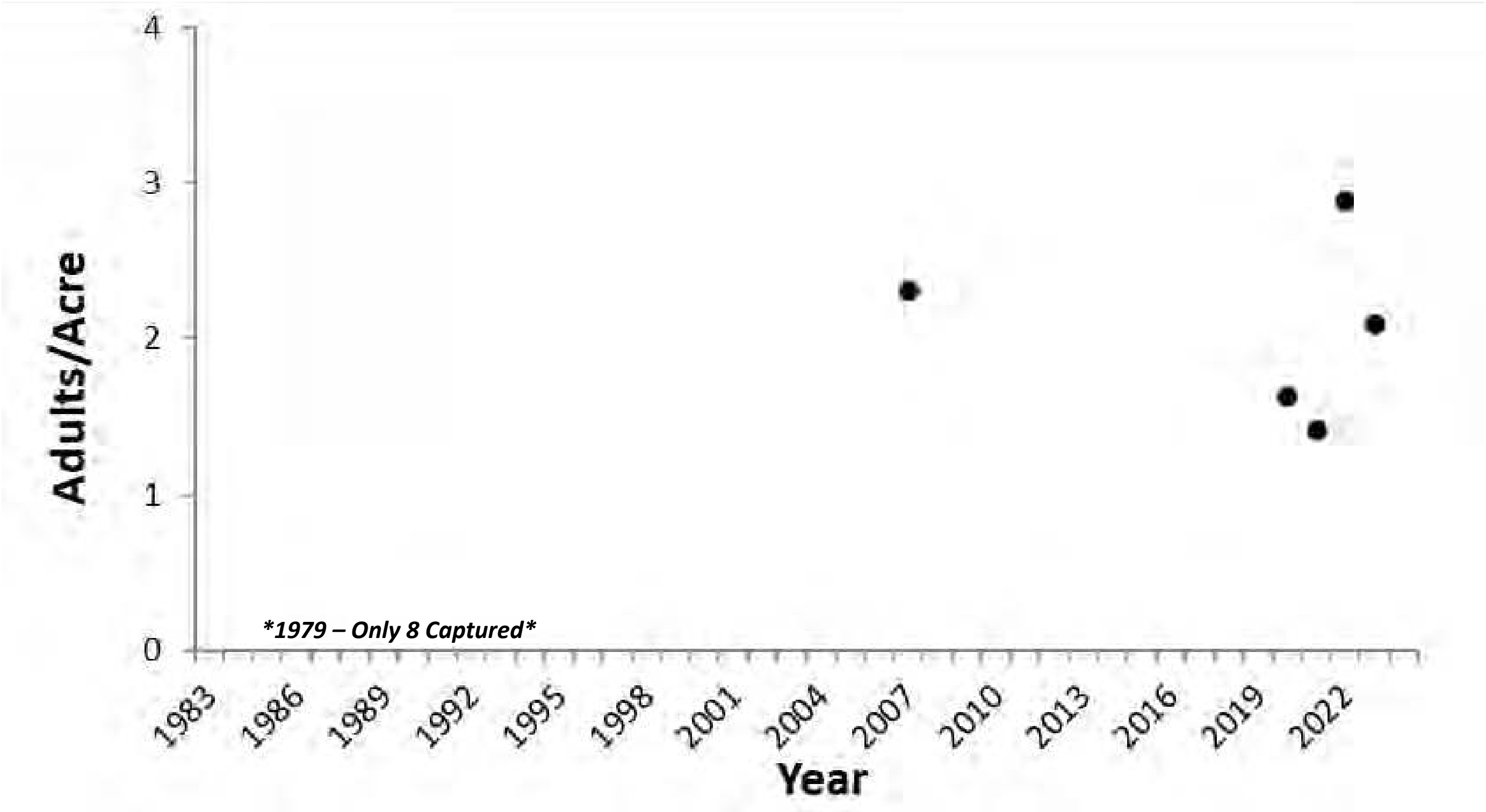


Howell Lake

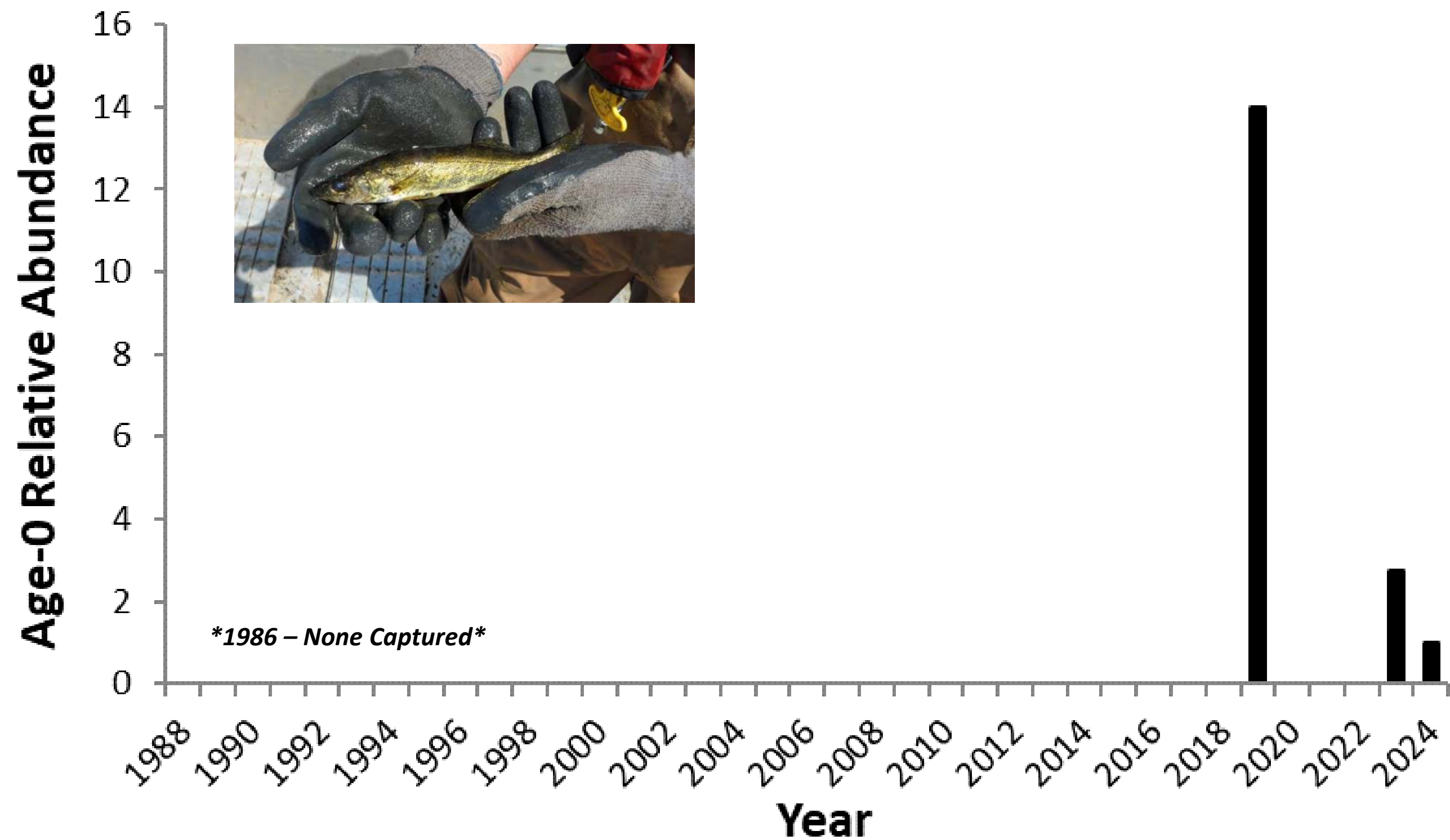
- 177-Acres
- Private Ownership
- Access – Canoe In
- Light Mgmt History
- Research Project 2019
 - BH Removal
 - Extensively Surveyed



Howell - Adult Abundance



Howell - Recruitment

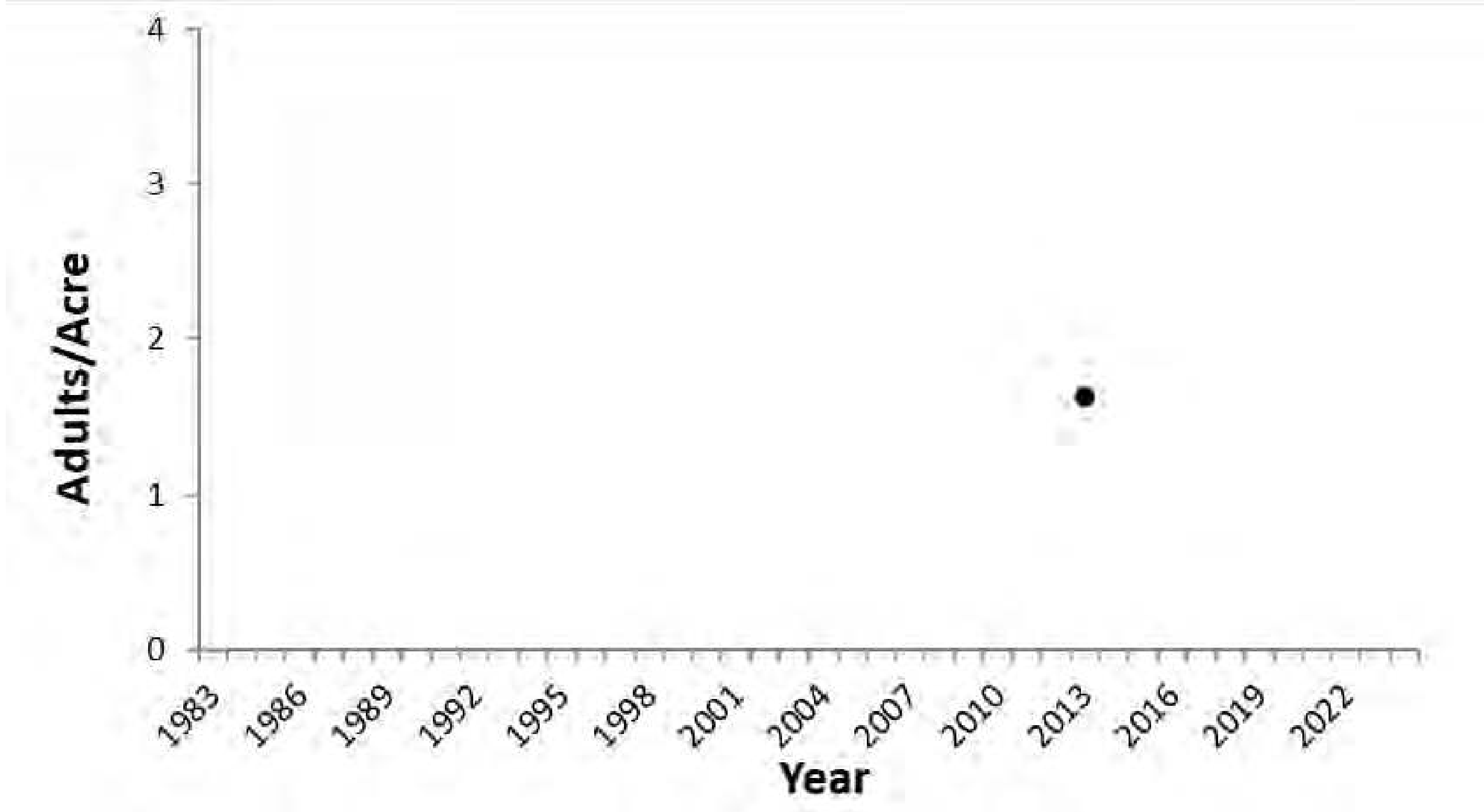


Van Zile Lake

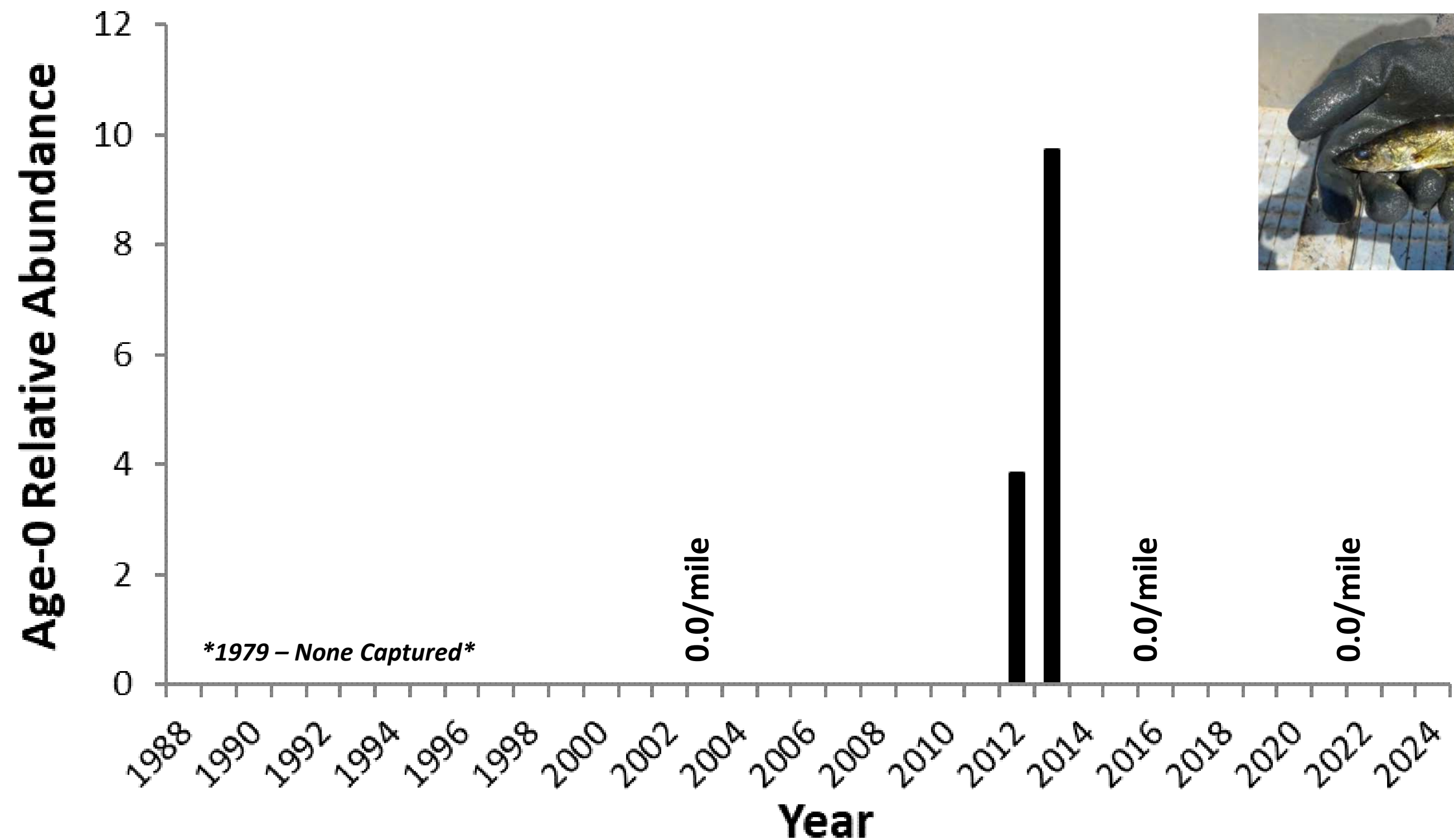
- No Permitted Walleye Stocking
- 1989 – Hg Analysis
 - No Walleye
- 2013 – Comp Survey
 - Moderate Density NR



Van Zile - Abundance



Van Zile - Recruitment

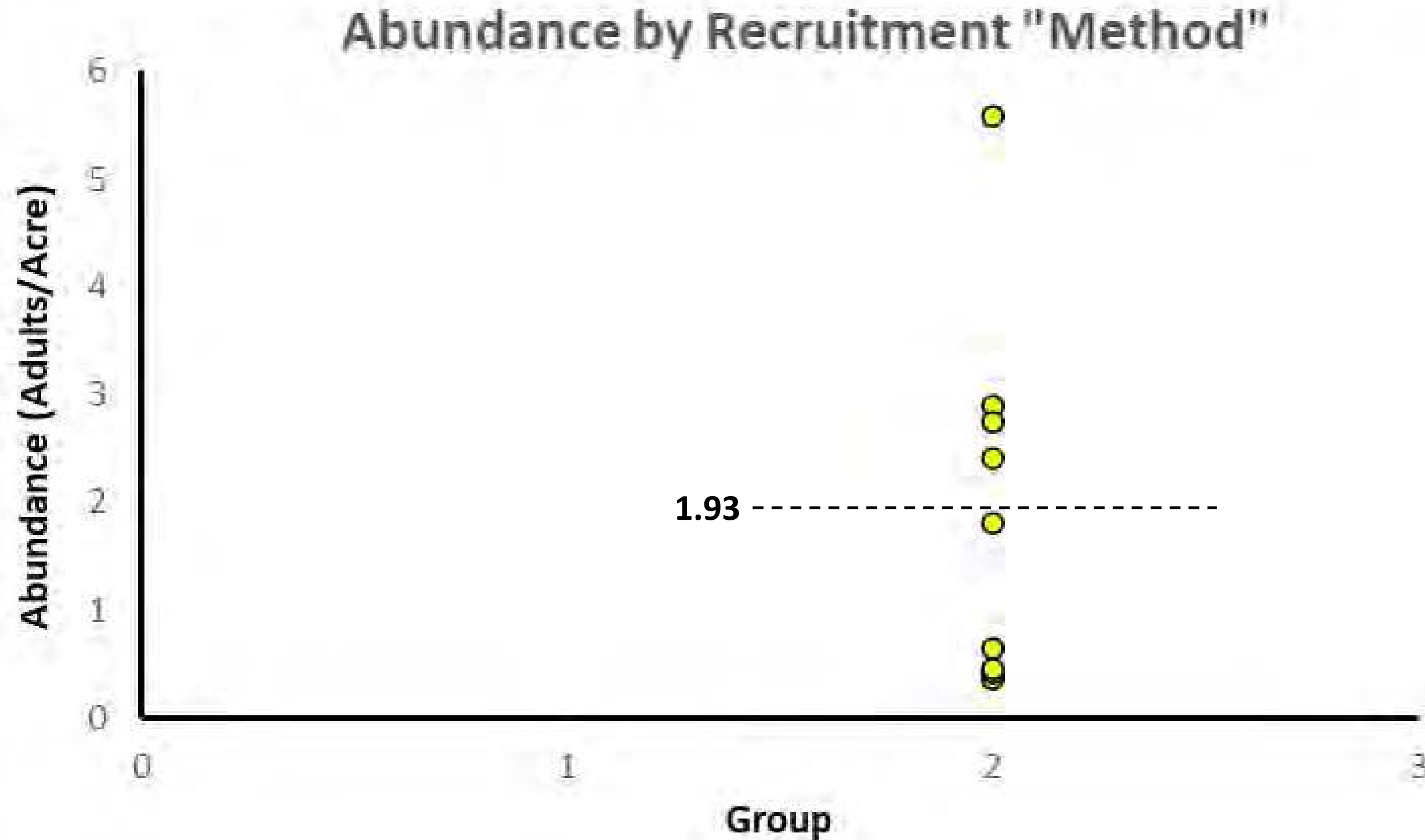


Quartz Lake

- 47-Acre – Seepage
- Walk-in Access
- Campsite (USFS)
- Very Light Sampling History
- NR Walleye population
 - ~2 adults/acre



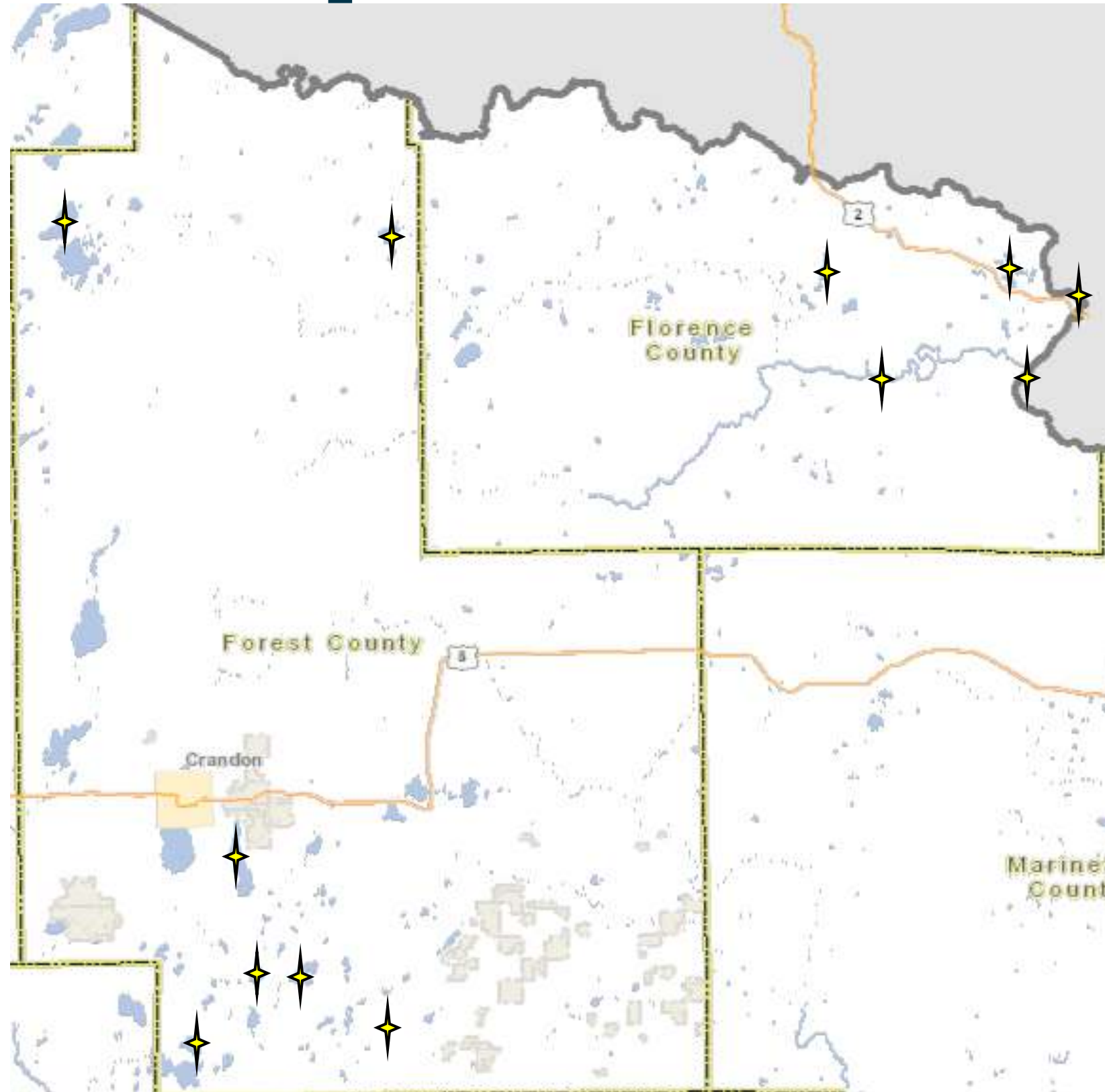
LOW Natural Reproduction + Stocking



Some NR
(9)

Low Natural Reproduction

Franklin
Stevens
SECL
Keyes
Roberts
Jungle
Rangeline
Lucerne
Crane
Pine River Flwg
Twin Falls Flwg
Kingsford Flwg



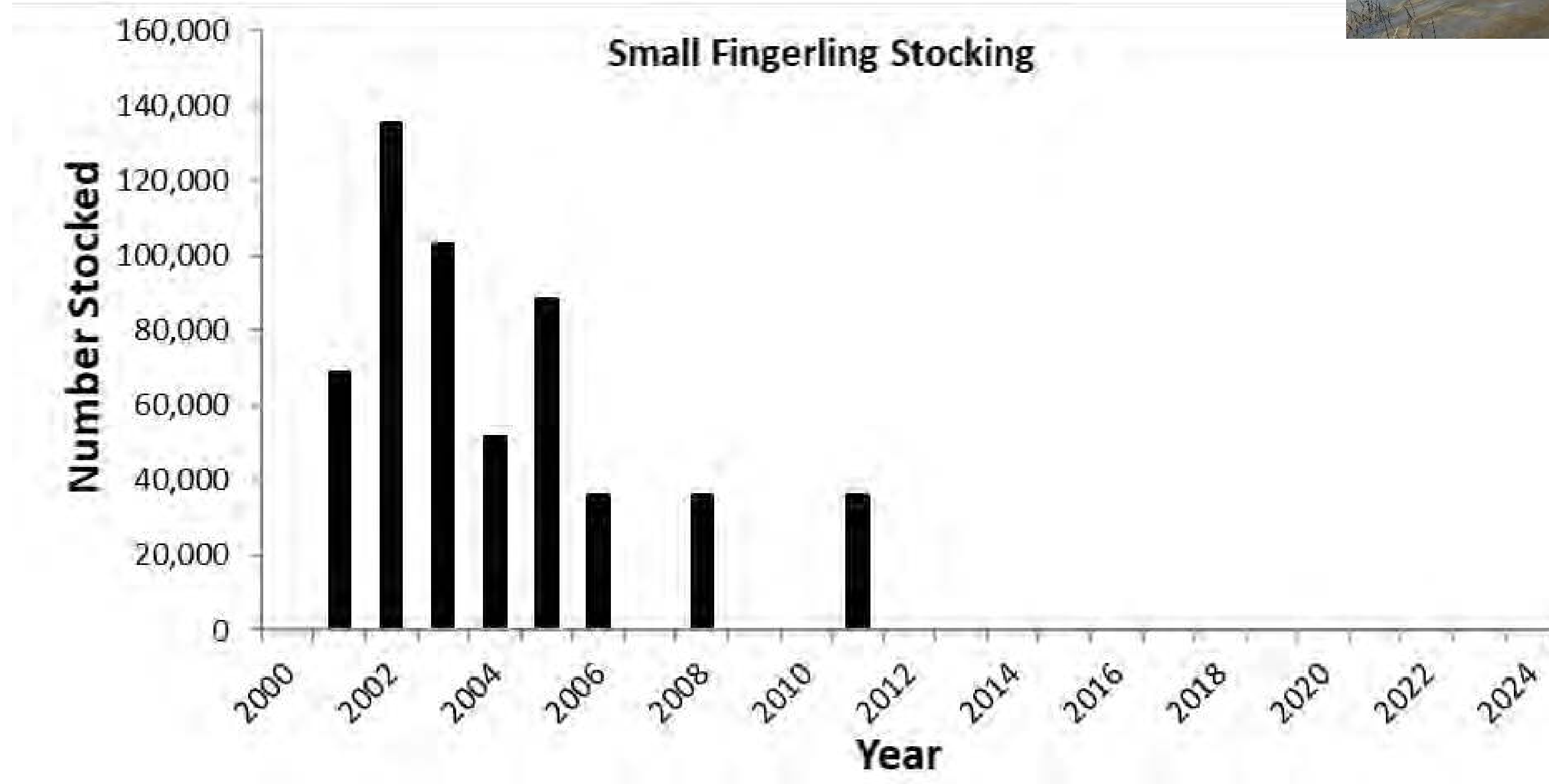
Some NR
(12)

Lake Lucerne

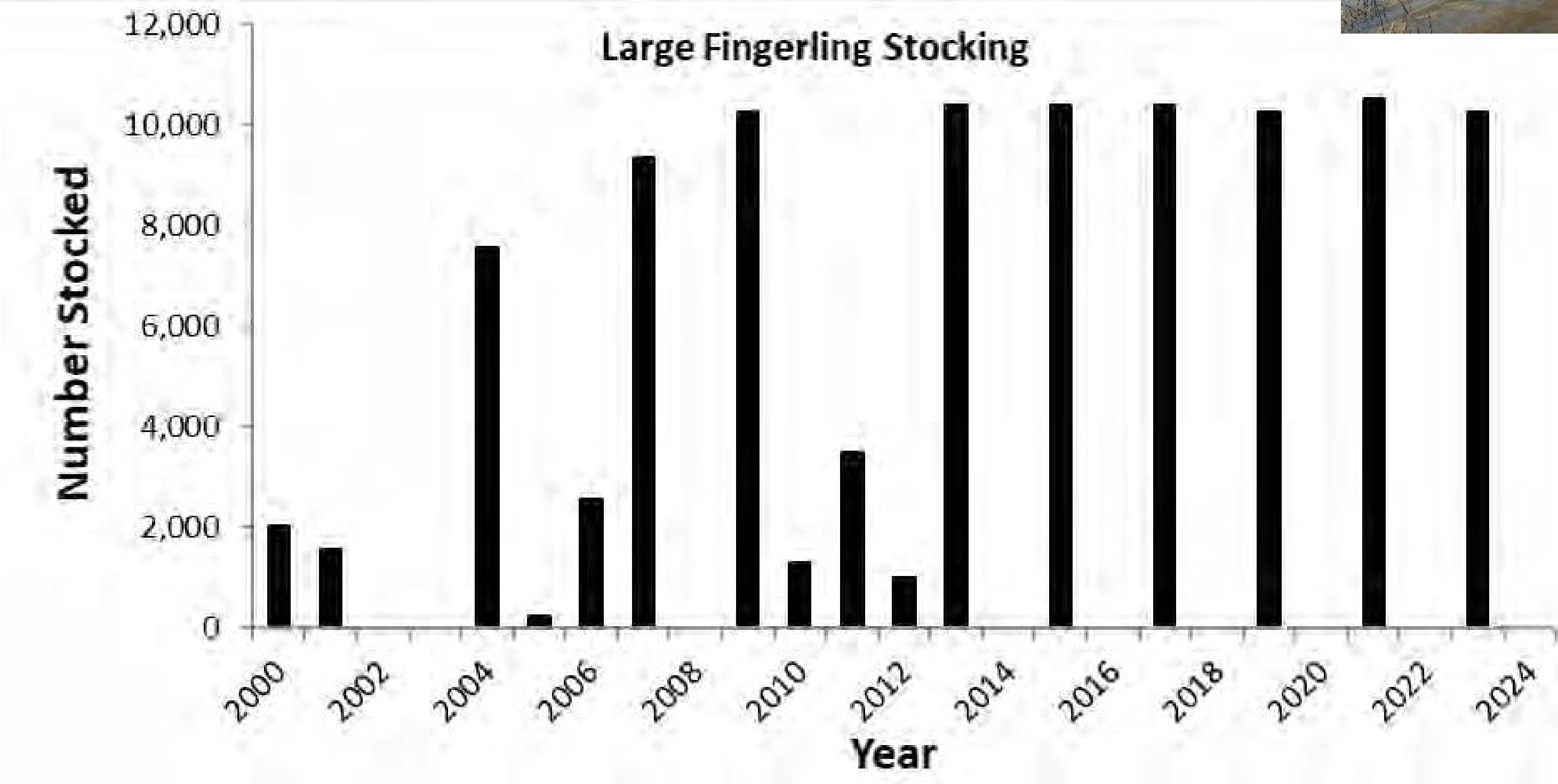
- 1,026-Acres
- First Stocking = 1977
- Extensive Stocking and Sampling History
- Cold Water Fish Community
 - Trout
 - Salmon
 - Cisco/Whitefish
 - Smelt



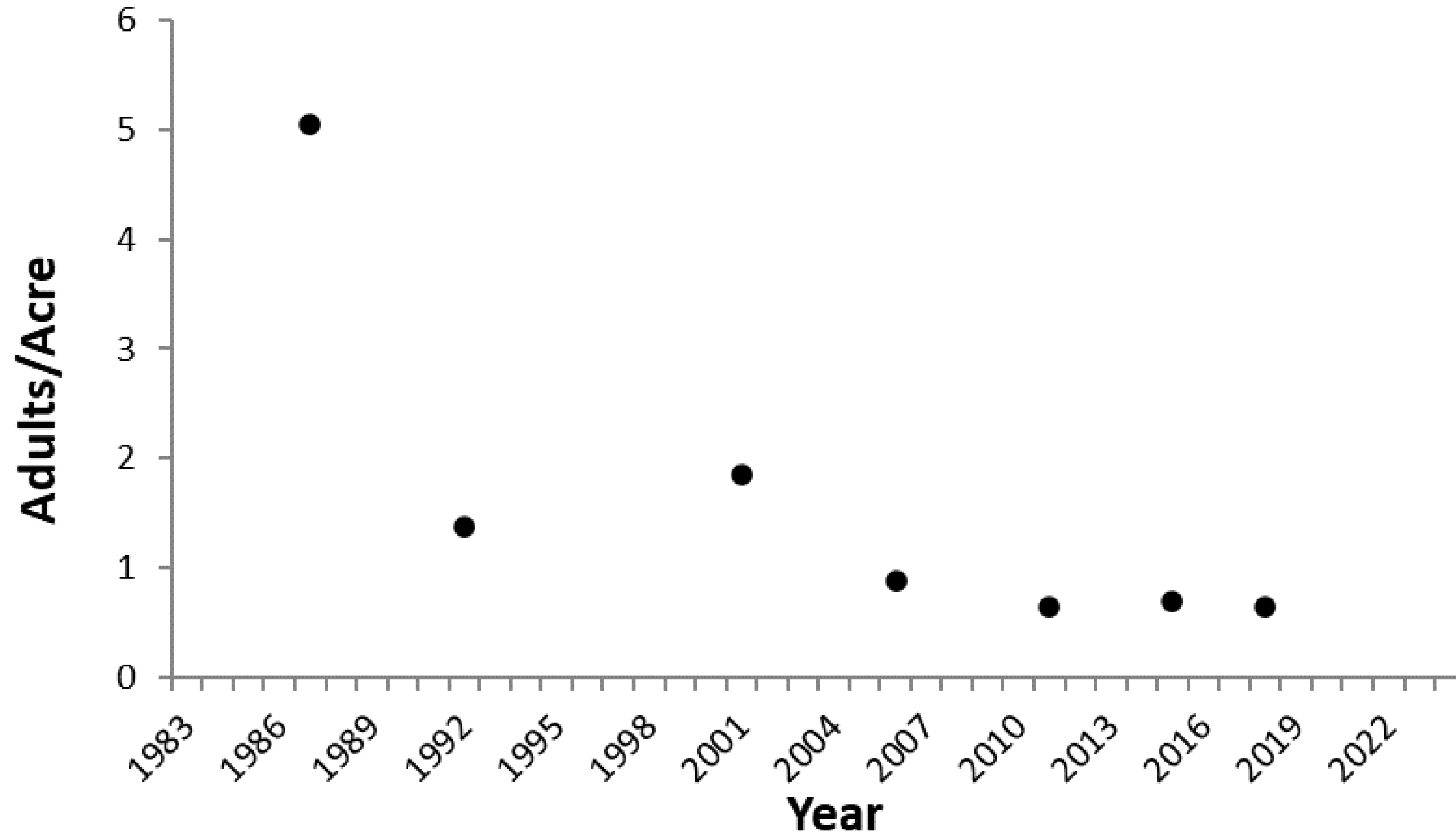
Lucerne - Walleye Stocking



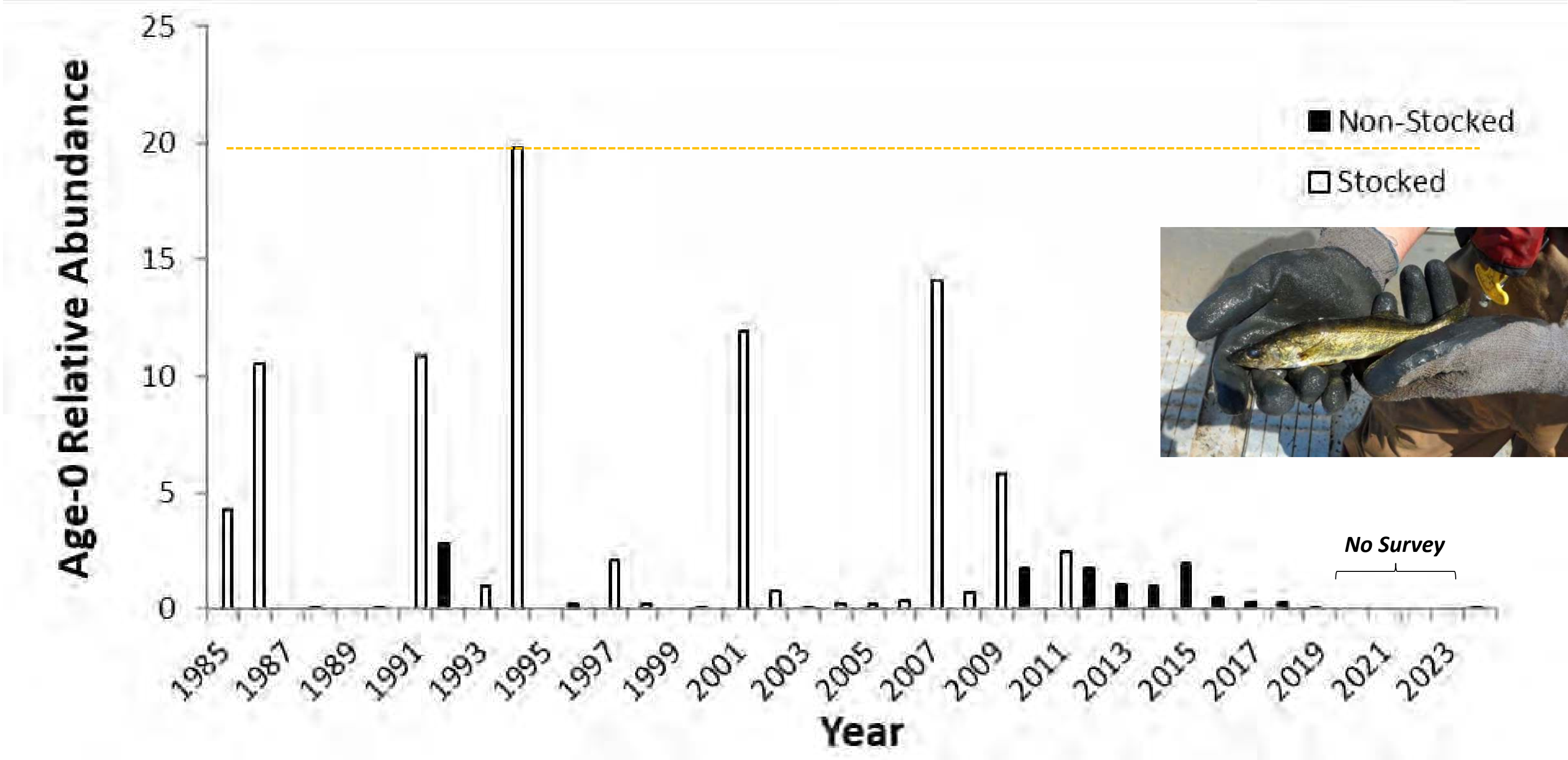
Lucerne - Walleye Stocking



Lucerne - Adult Abundance



Lucerne - Recruitment



Twin Falls Flowage

- 928-Acres
- Natural Reproduction
- Very Low Walleye Abundance
- Relatively Low Mgmt History
 - Surveys
 - Stocking



TFF - Recent Comp Surveys

Spring Netting 2013

	<u>MU</u>	<u>LMB</u>	<u>NP</u>	<u>WE</u>	<u>BC</u>	<u>BG</u>	<u>YP</u>	<u>RKB</u>	<u>PKS</u>	<u>WS</u>	<u>BBH</u>	<u>GS</u>
Total	0	19	458	3	814	279	34	13	12	34	1	6
Catch/Net	0.00	0.68	16.36	0.11	29.07	9.96	1.21	0.46	0.43	1.21	0.04	0.21
MU=40 net-lifts, all other fish species = 28 net-nights												

Spring Netting 2016

	<u>MU</u>	<u>LMB</u>	<u>NP</u>	<u>WE</u>	<u>BC</u>	<u>BG</u>	<u>YP</u>	<u>RKB</u>	<u>PKS</u>	<u>WS</u>	<u>BBH</u>	<u>GS</u>	<u>BKT</u>
Total	0	8	731	9	61	338	14	12	39	15	0	5	3
Catch/Net	0.00	0.03	2.98	0.04	0.25	1.38	0.06	0.05	0.16	0.06	0.00	0.02	0.01

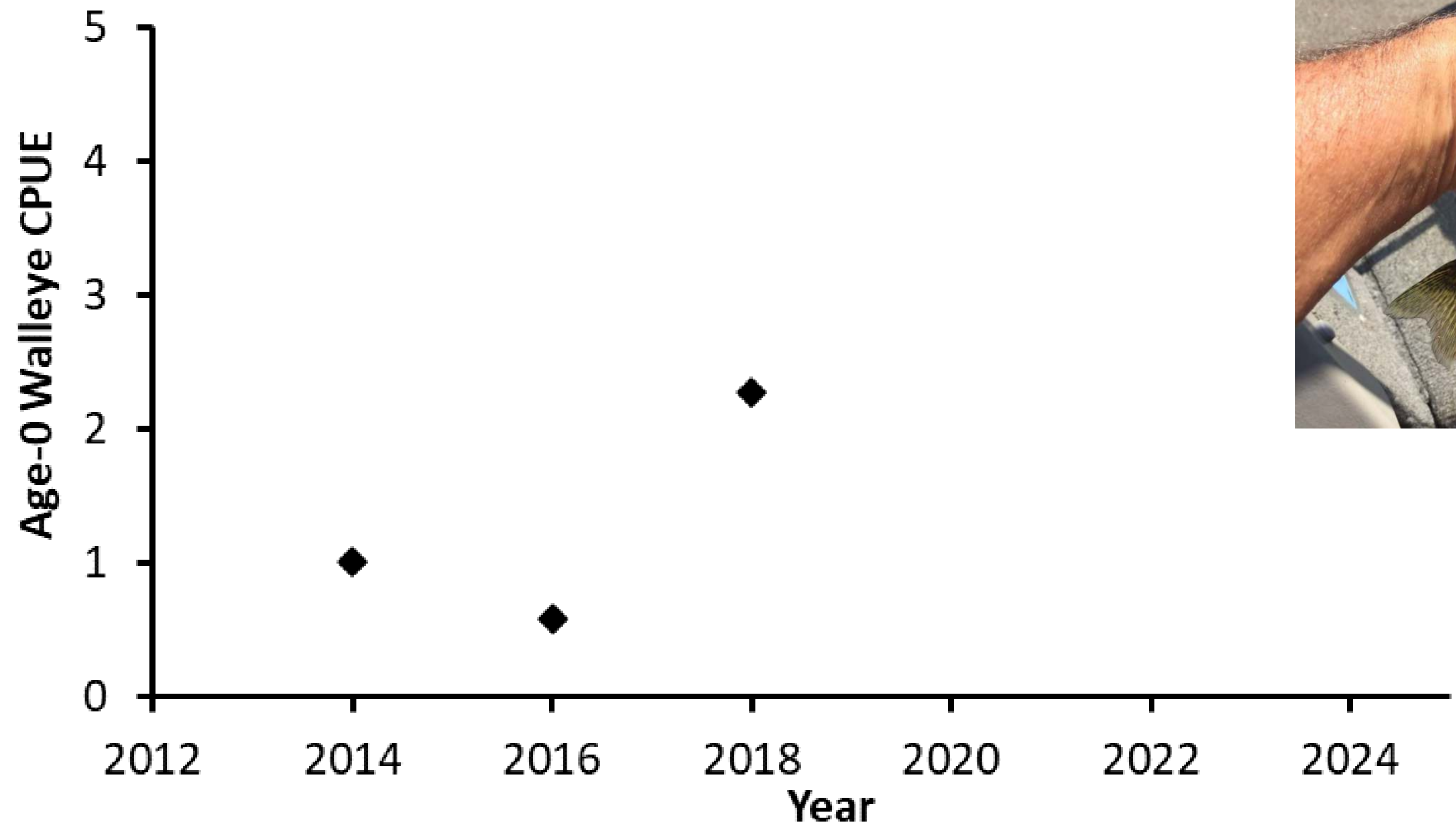
	<u>MU</u>	<u>LMB</u>	<u>NP</u>	<u>WE</u>	<u>BC</u>	<u>BG</u>	<u>YP</u>	<u>RKB</u>	<u>PKS</u>	<u>BxP</u>	<u>WS</u>	<u>BBH</u>	<u>GS</u>	<u>CS</u>	<u>BKT</u>
Total	0	25	291	2	257	593	21	8	25	1	3	0	16	1	0
Catch/Net	0.00	0.51	5.94	0.04	5.24	12.10	0.43	0.16	0.51	0.02	0.06	0.00	0.33	0.02	0.00

Spring Netting 2019

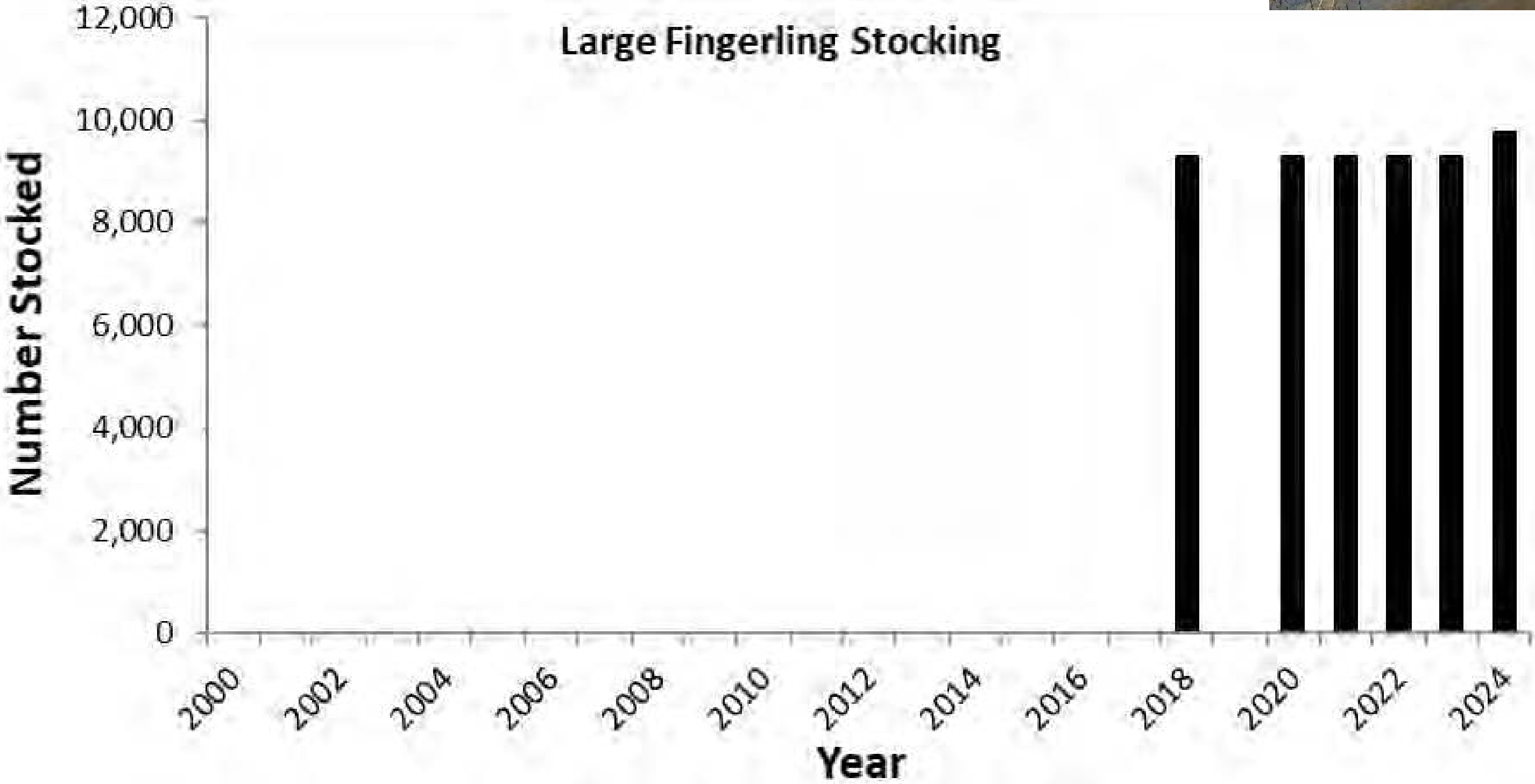
	<u>MU</u>	<u>NP</u>	<u>WE</u>	<u>LMB</u>	<u>SMB</u>	<u>BG</u>	<u>PKS</u>	<u>BxP</u>	<u>BC</u>	<u>YP</u>	<u>RKB</u>	<u>WS</u>	<u>BBH</u>	<u>GS</u>	<u>CS</u>	<u>C Chub</u>	<u>BKT</u>
Total	1	1015	4	75	0	2140	182	6	1250	66	13	21	0	15	1	1	1
Catch/Net	0.01	8.39	0.03	0.62	0.00	17.69	1.50	0.05	10.33	0.55	0.11	0.17	0.00	0.12	0.01	0.01	0.01



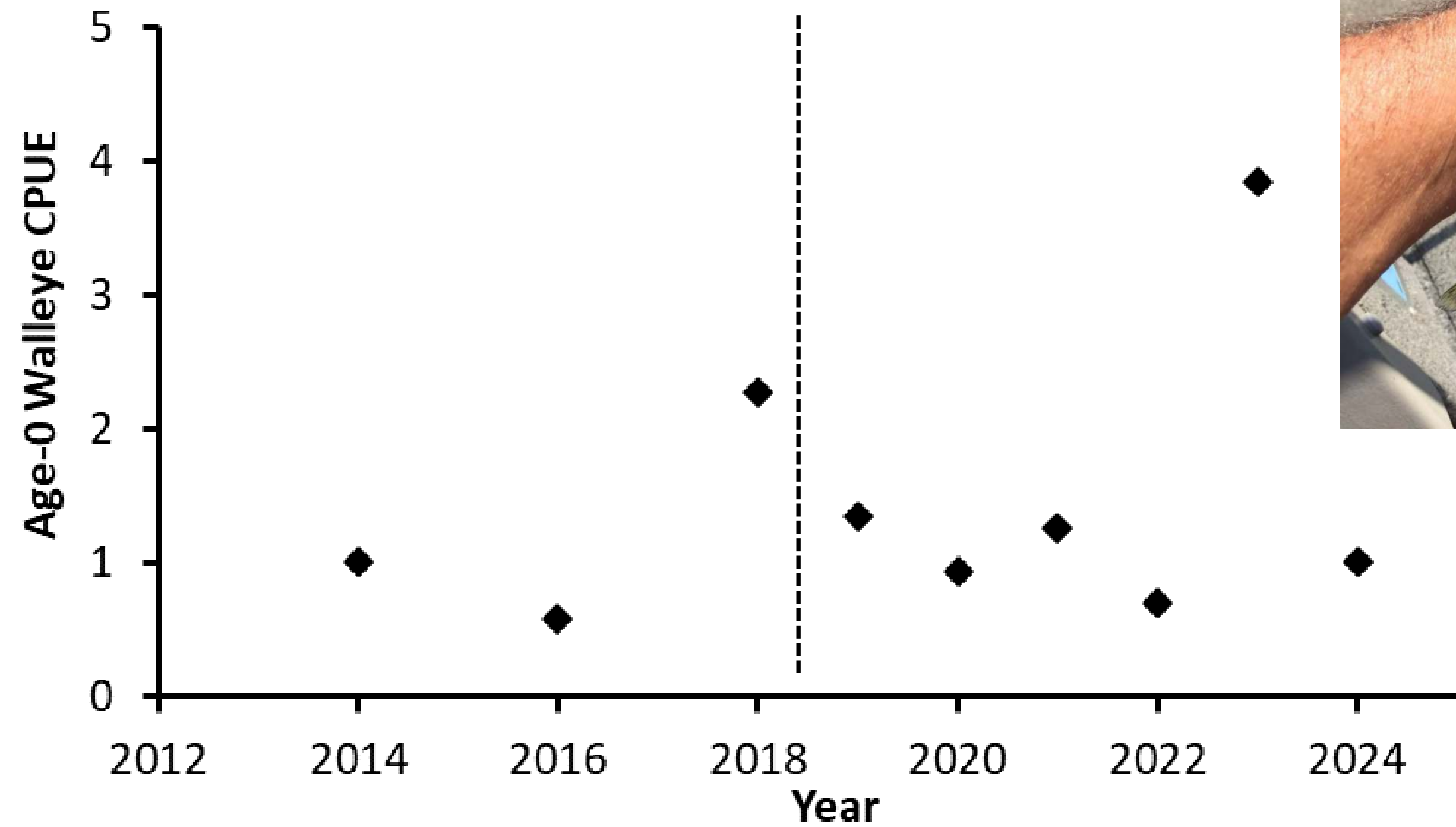
TFF - Recruitment



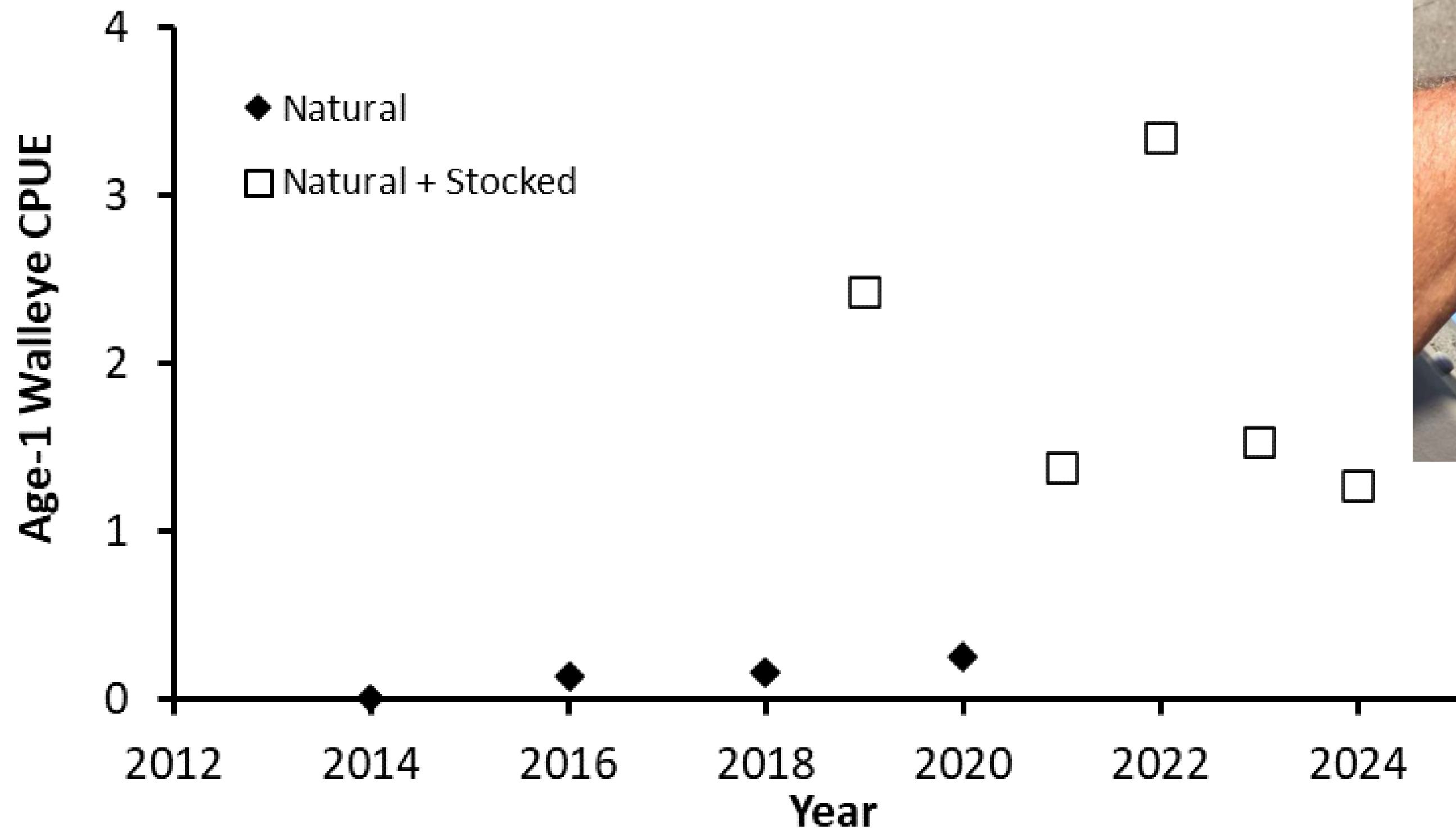
TFF - Stocking



TFF - Recruitment

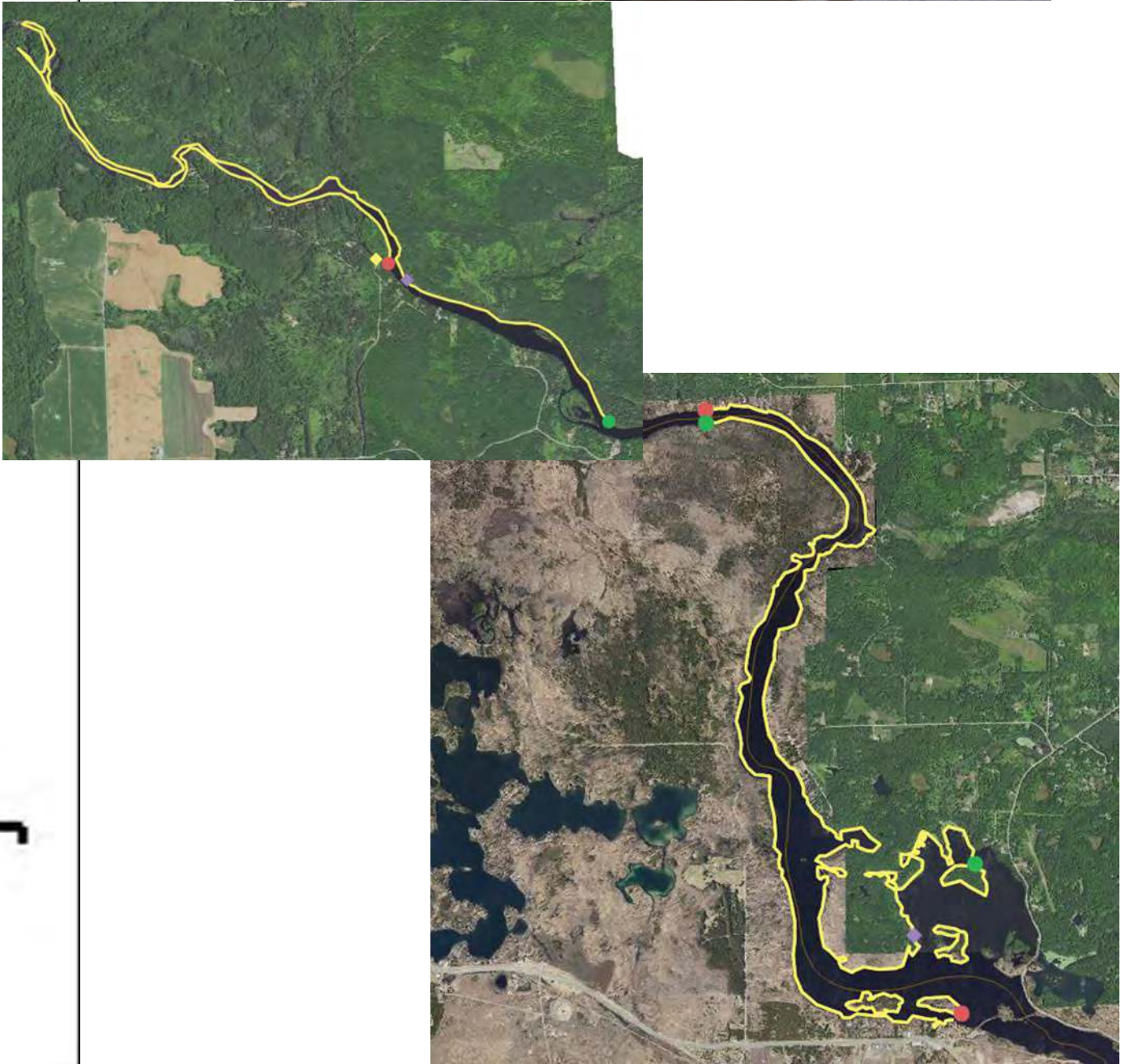
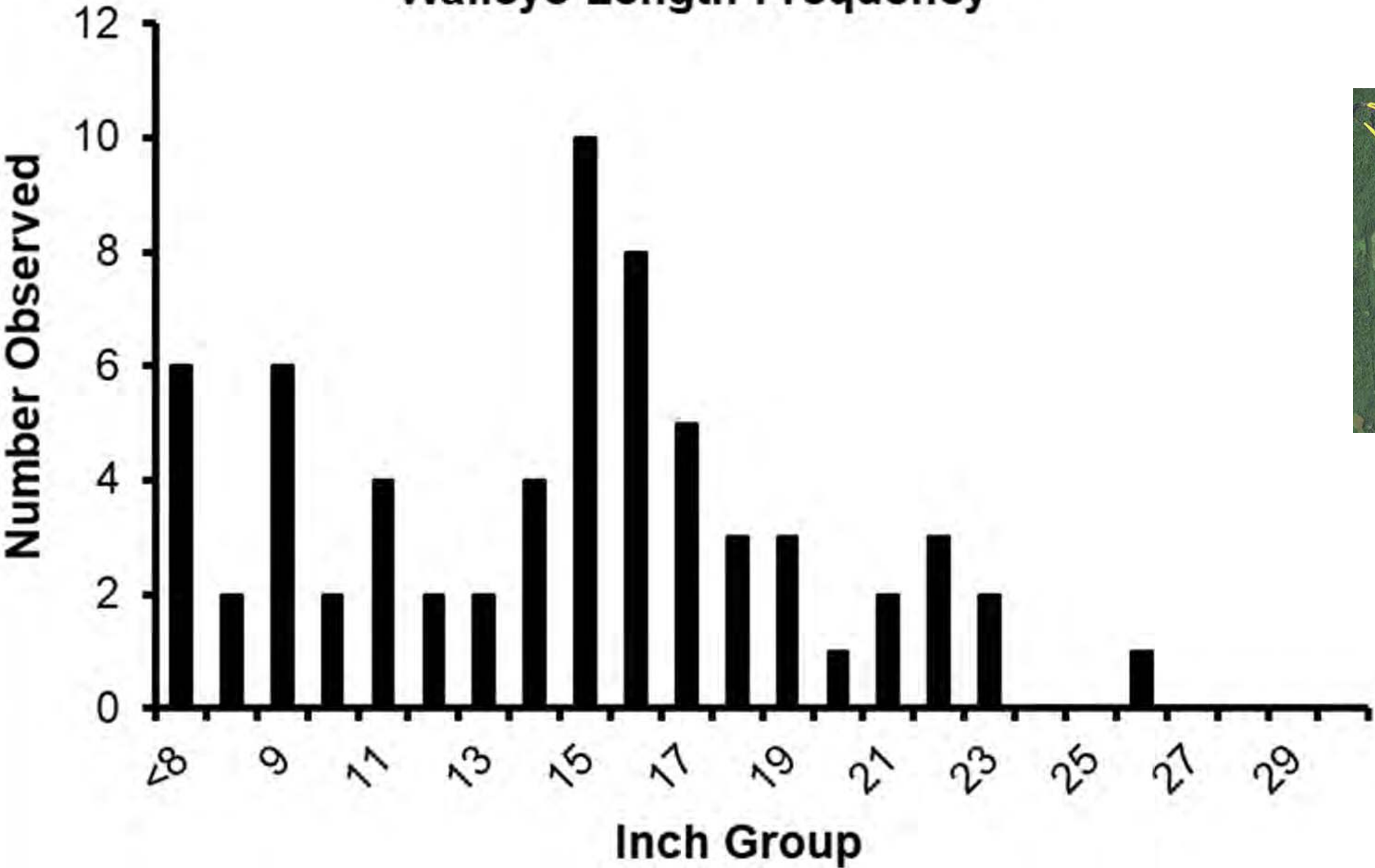


TFF - Recruitment (Age-1)



TFF - Spring 2024

Walleye Length Frequency

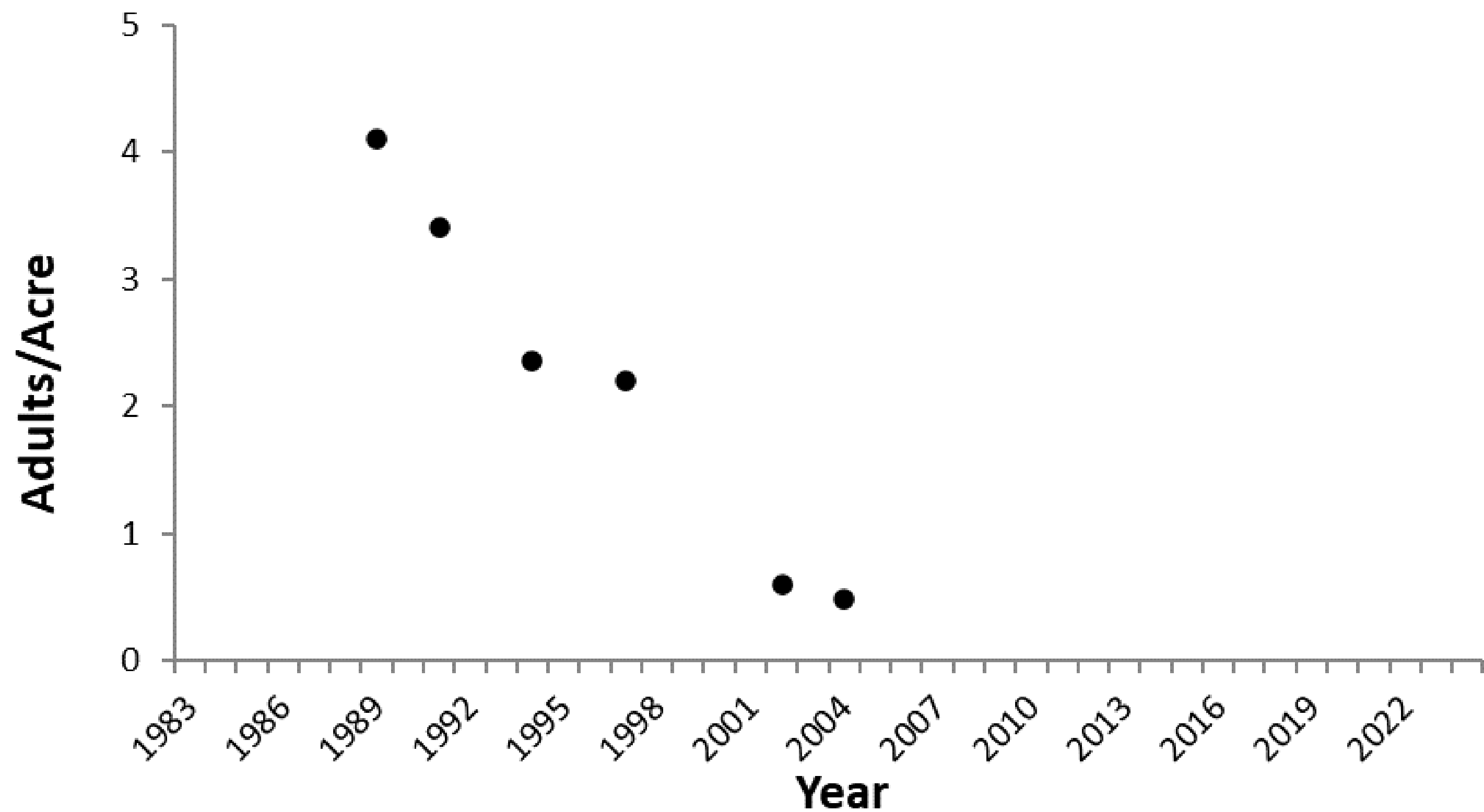


Franklin Lake

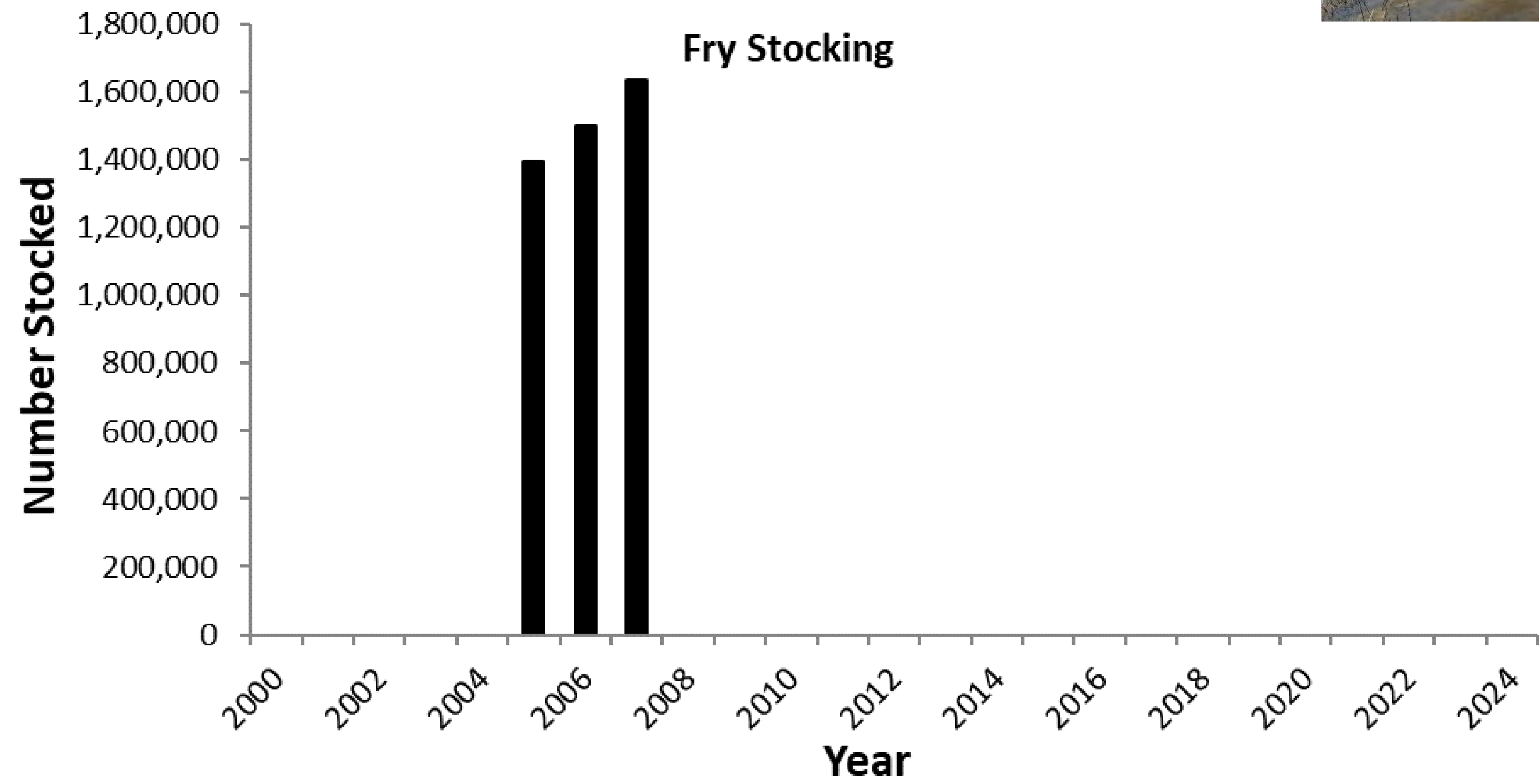
- 892-Acres
- Presumed to be Native
- Extensive Mgmt History
- NR Population Until Recently



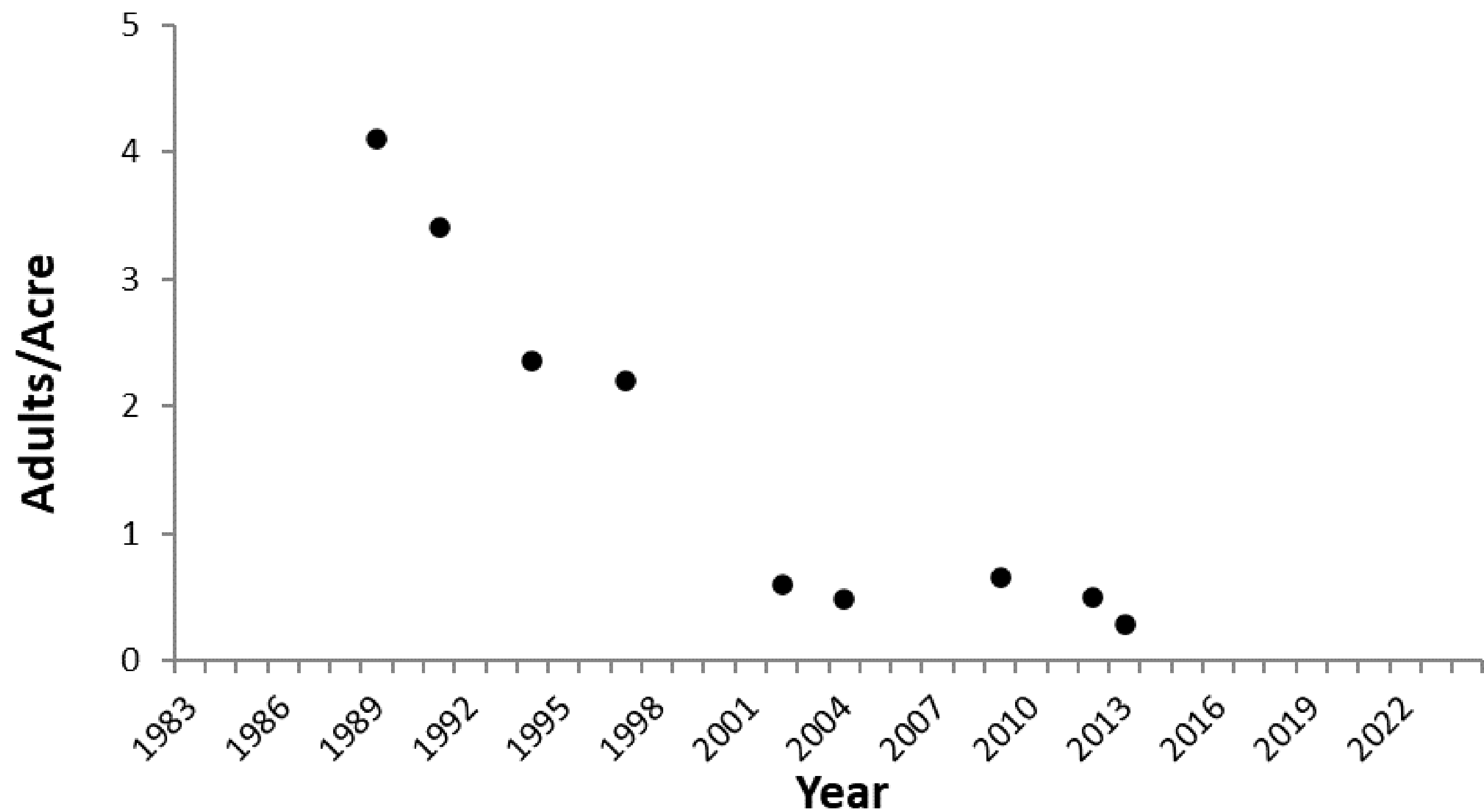
Franklin - Adult Abundance



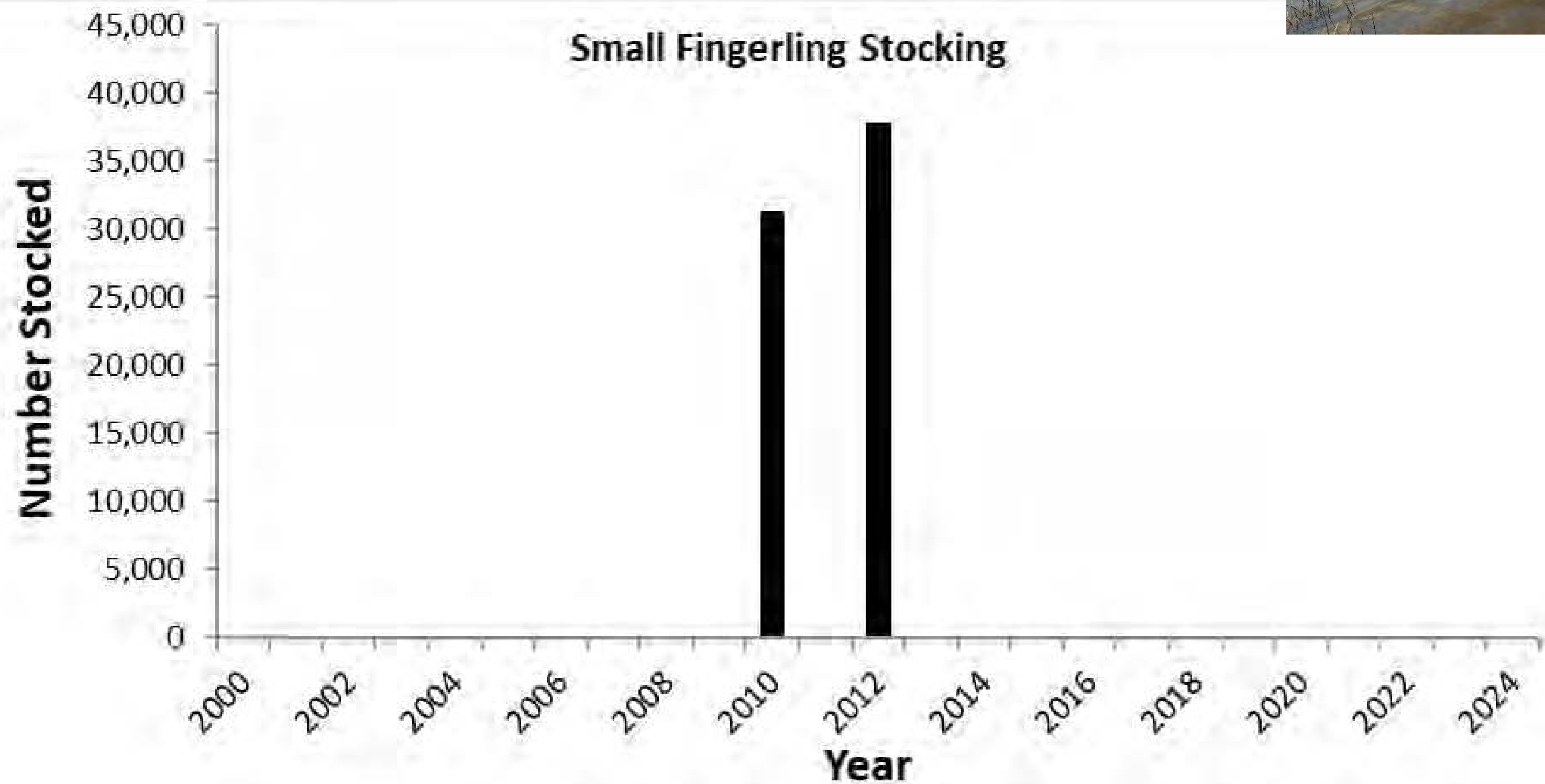
Franklin - Stocking



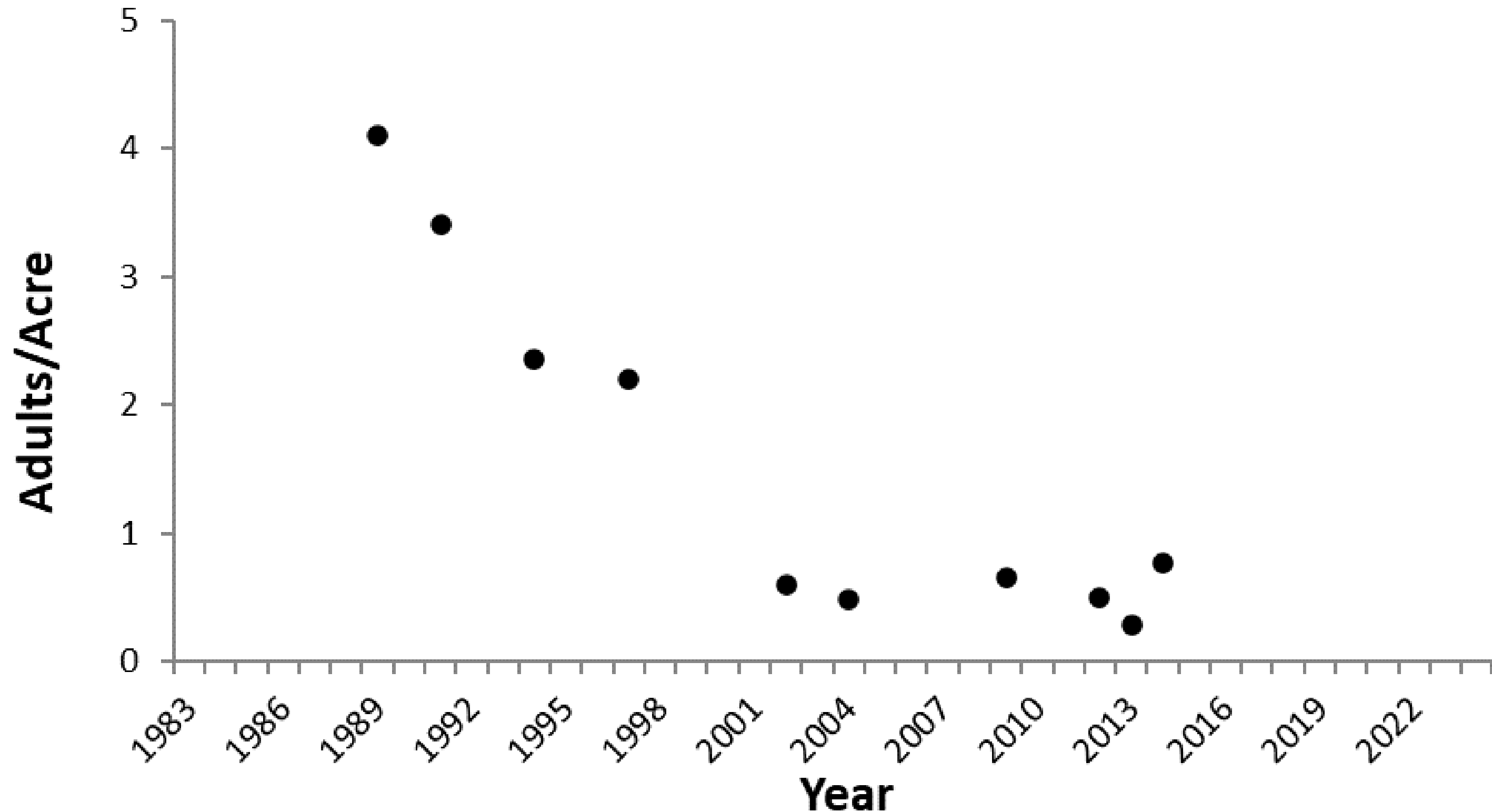
Franklin - Adult Abundance



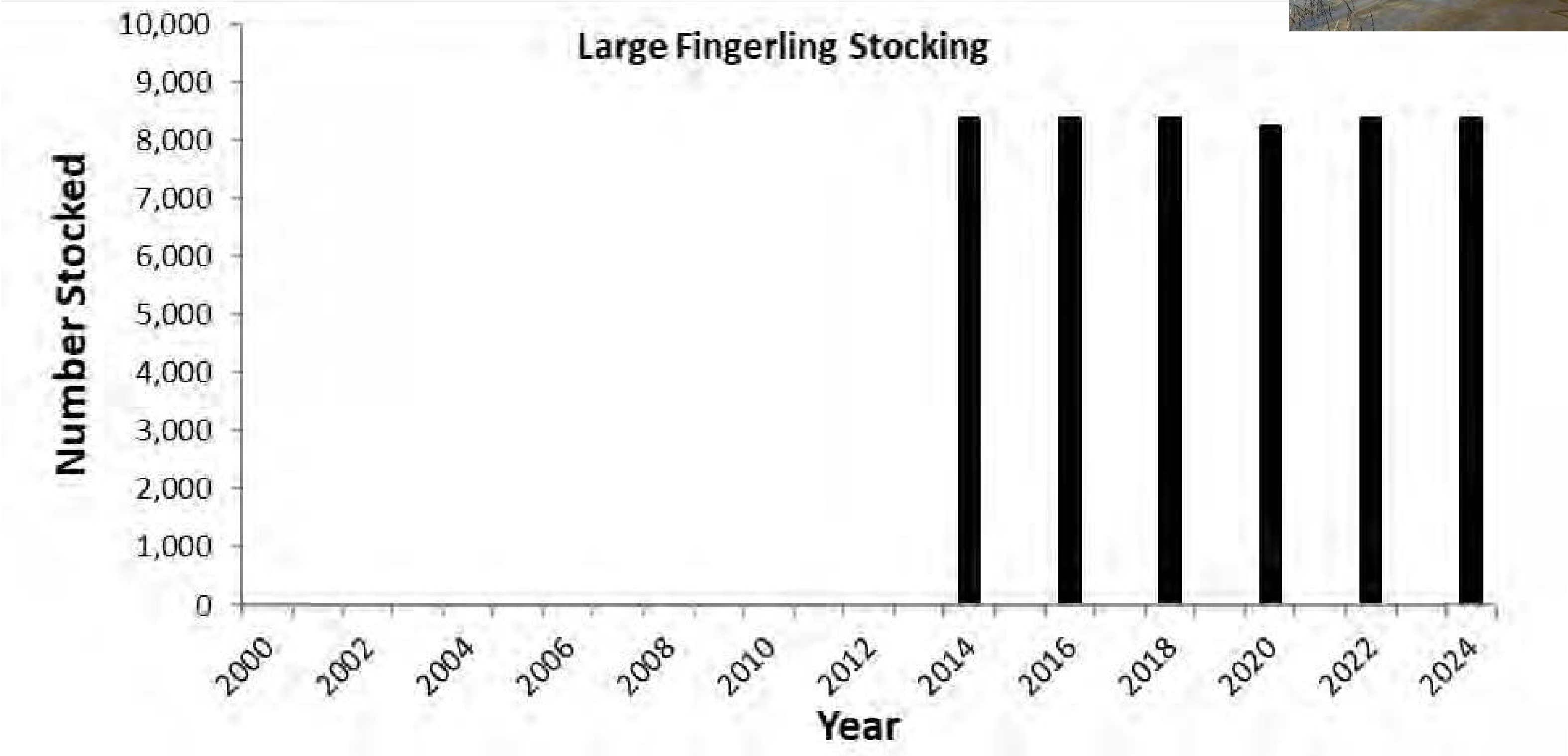
Franklin - Stocking



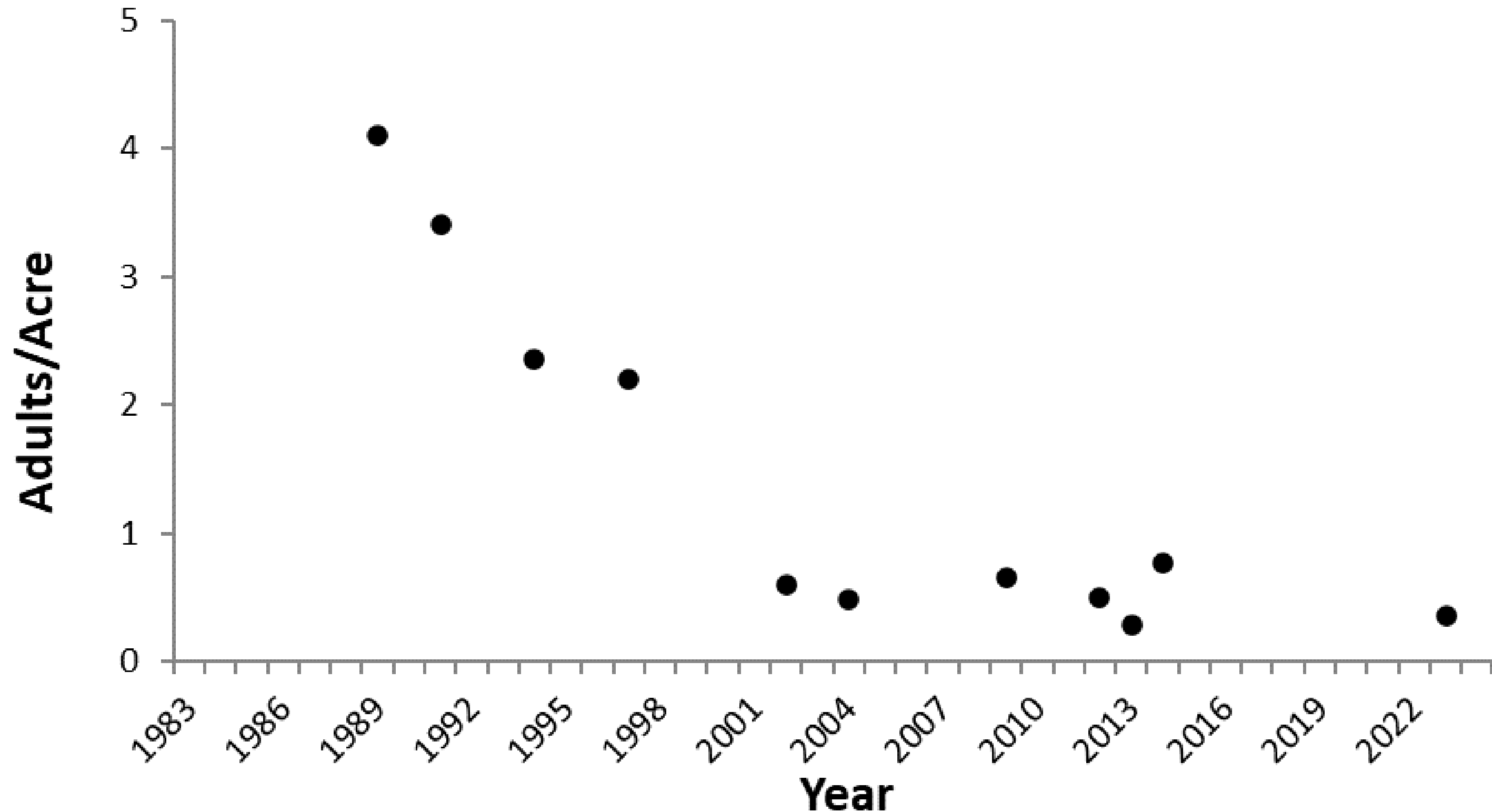
Franklin - Adult Abundance



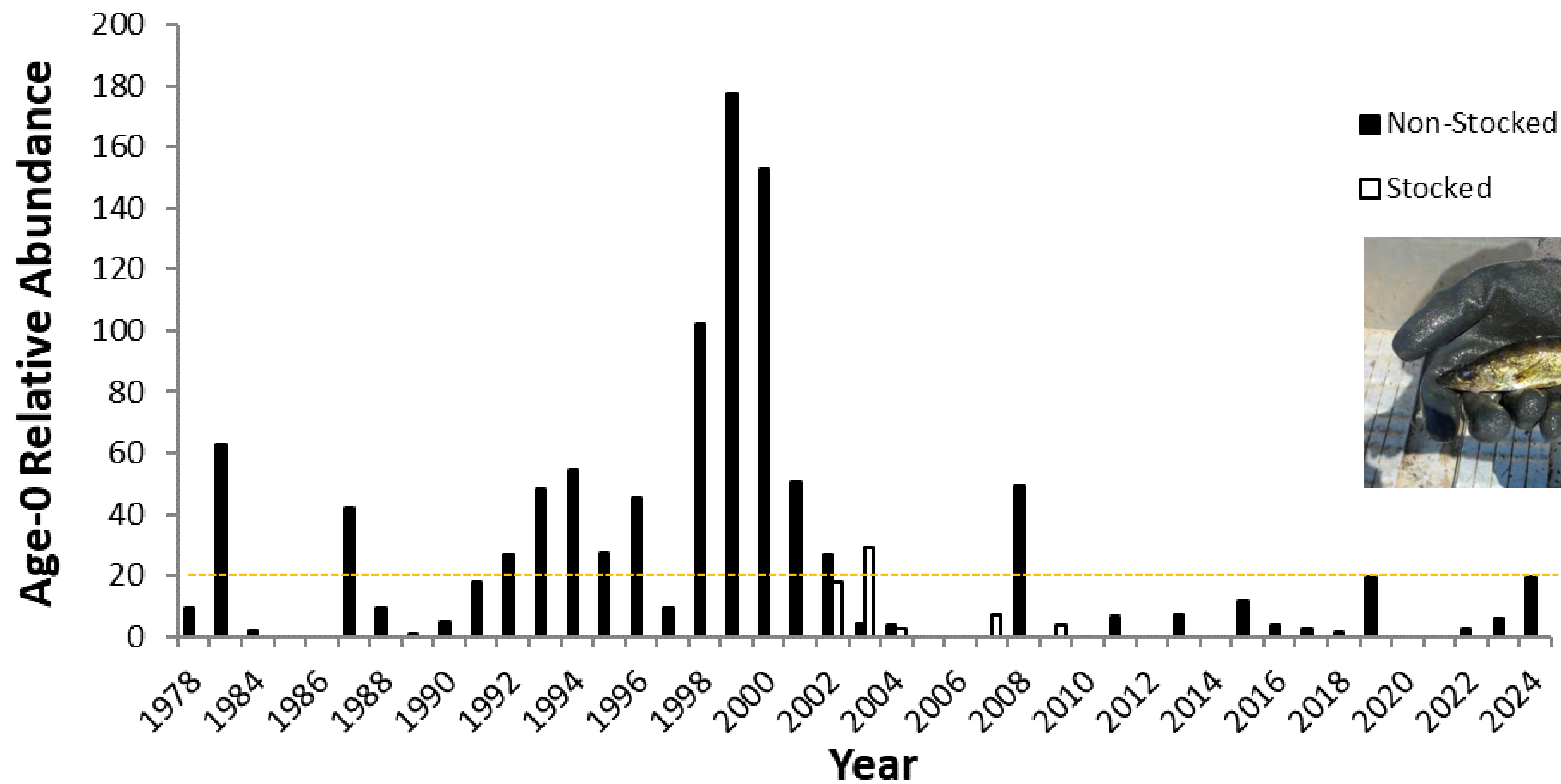
Franklin - Stocking



Franklin - Adult Abundance



Franklin - Recruitment

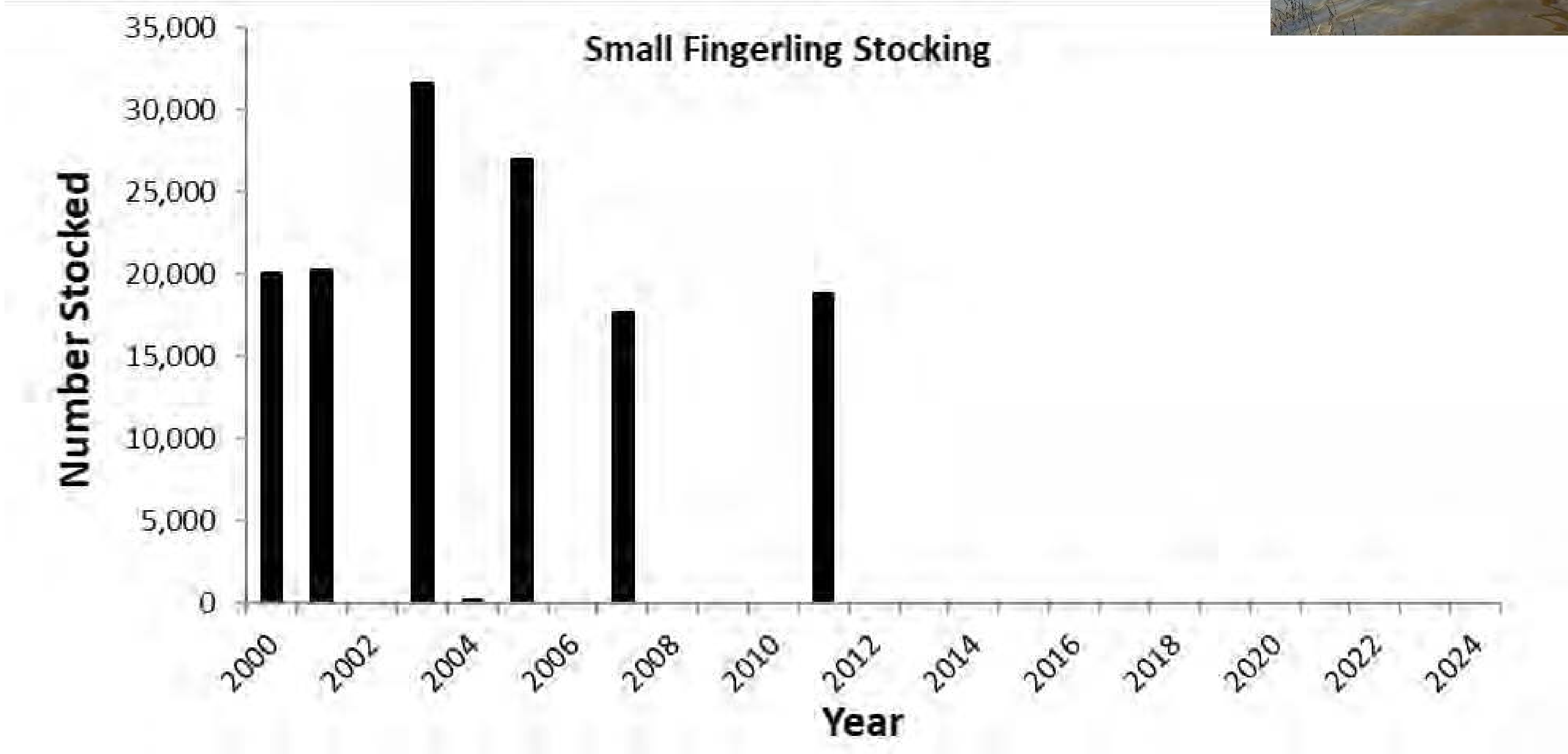


Spread Eagle Chain of Lakes

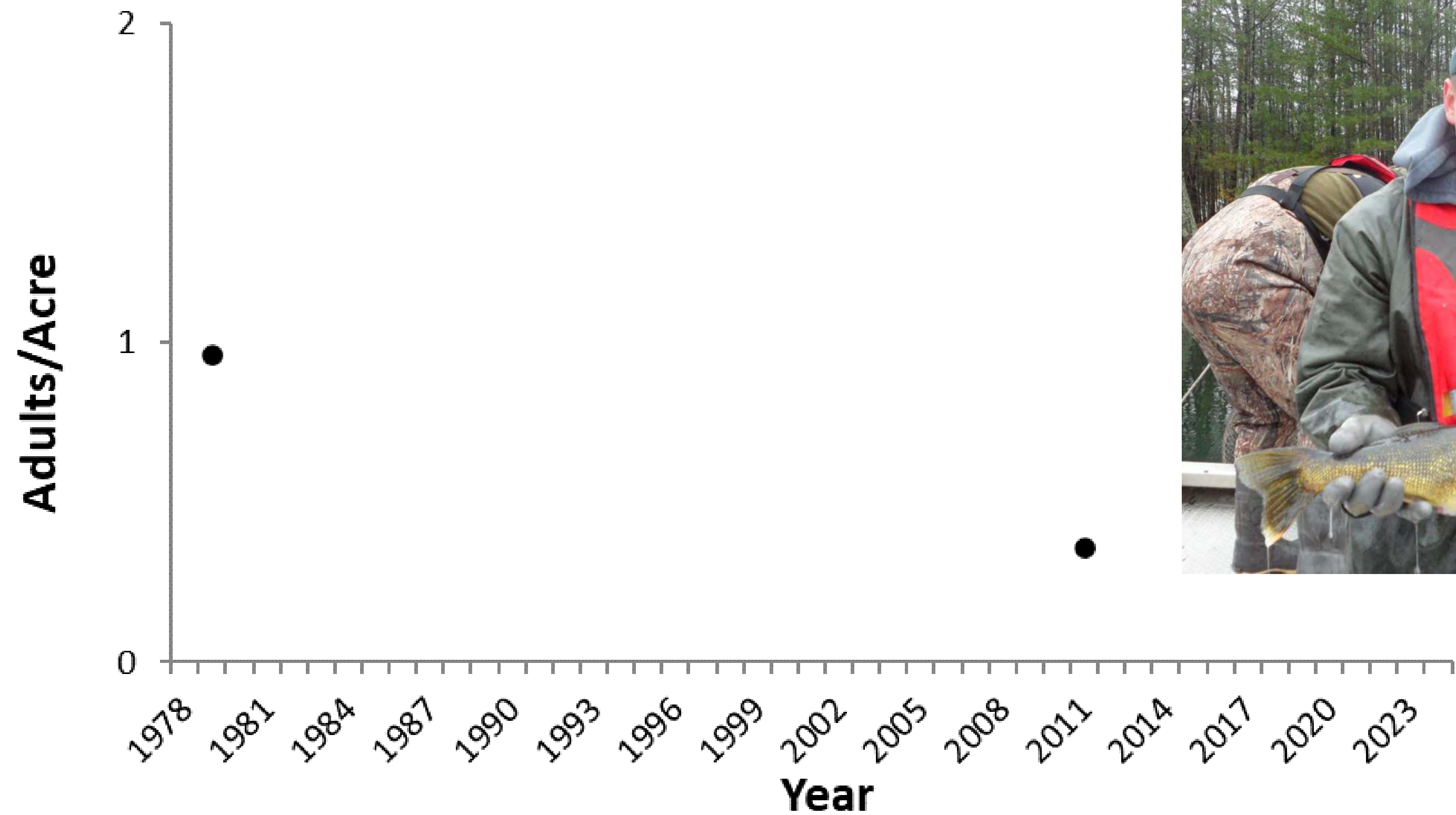
- 548-Acres (9-Lake Chain)
- First Stocking = 1937
- Stocked “Regularly” Since
- Extremely Light Sampling History



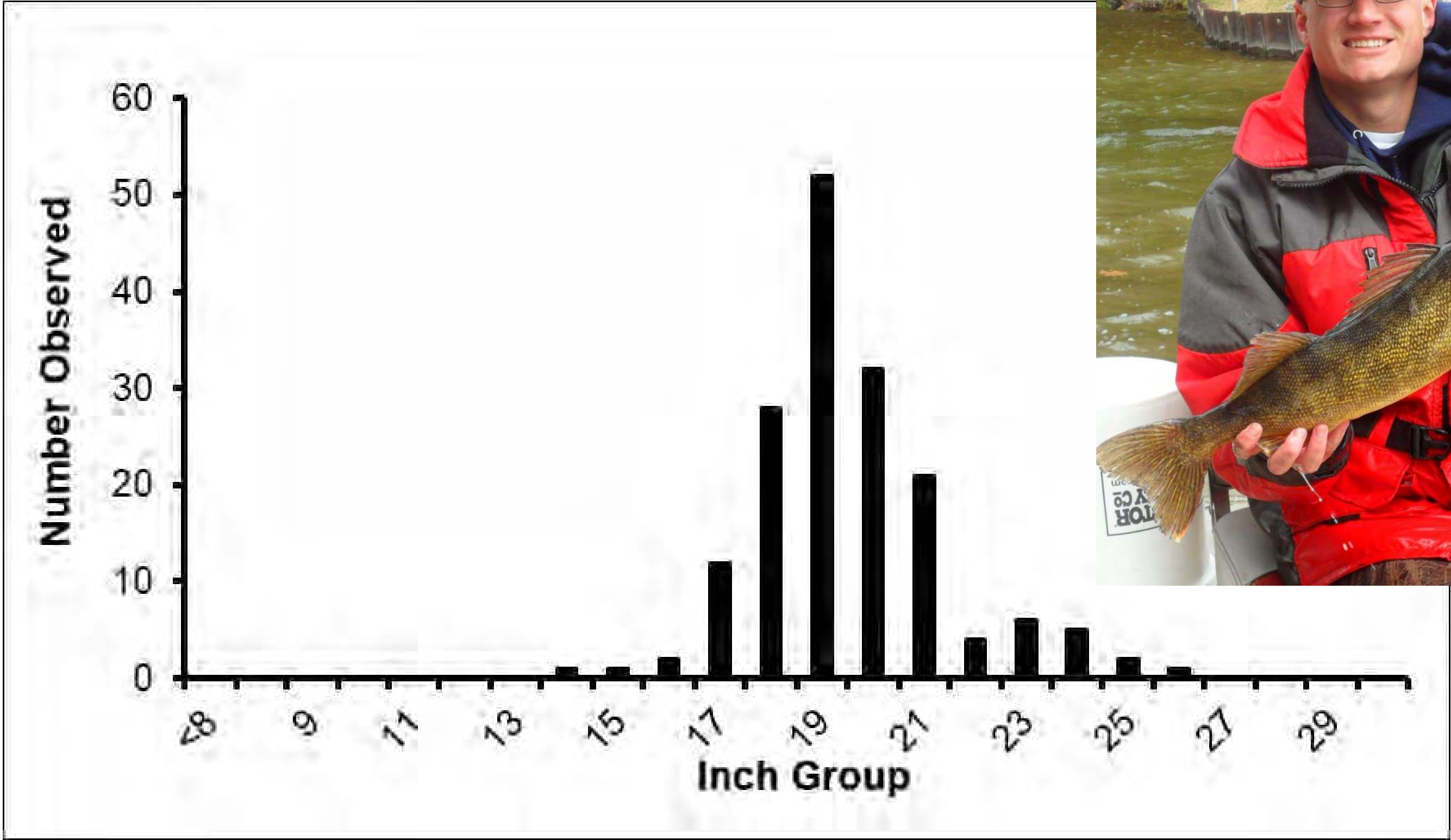
SECL - Stocking



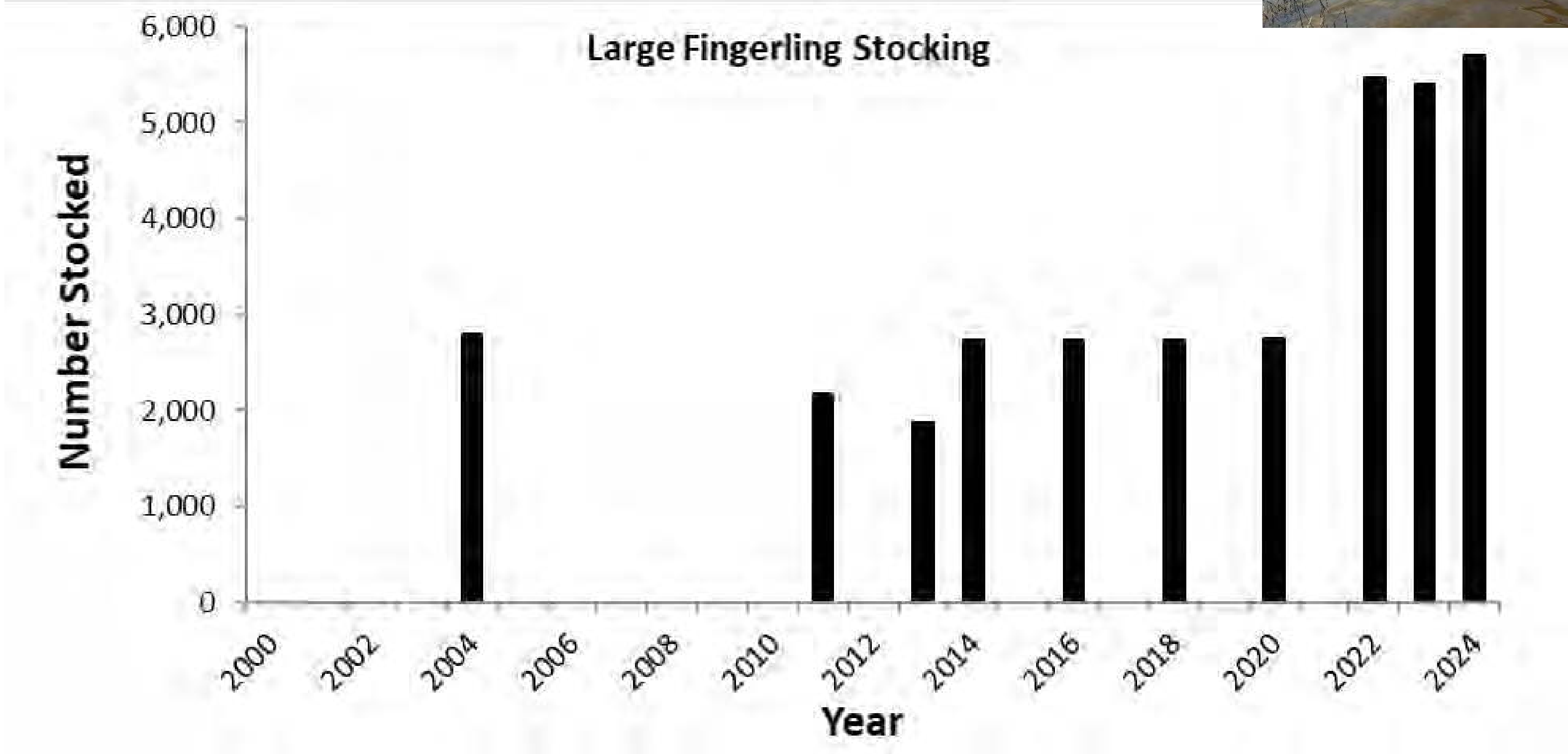
SECL - Adult Abundance



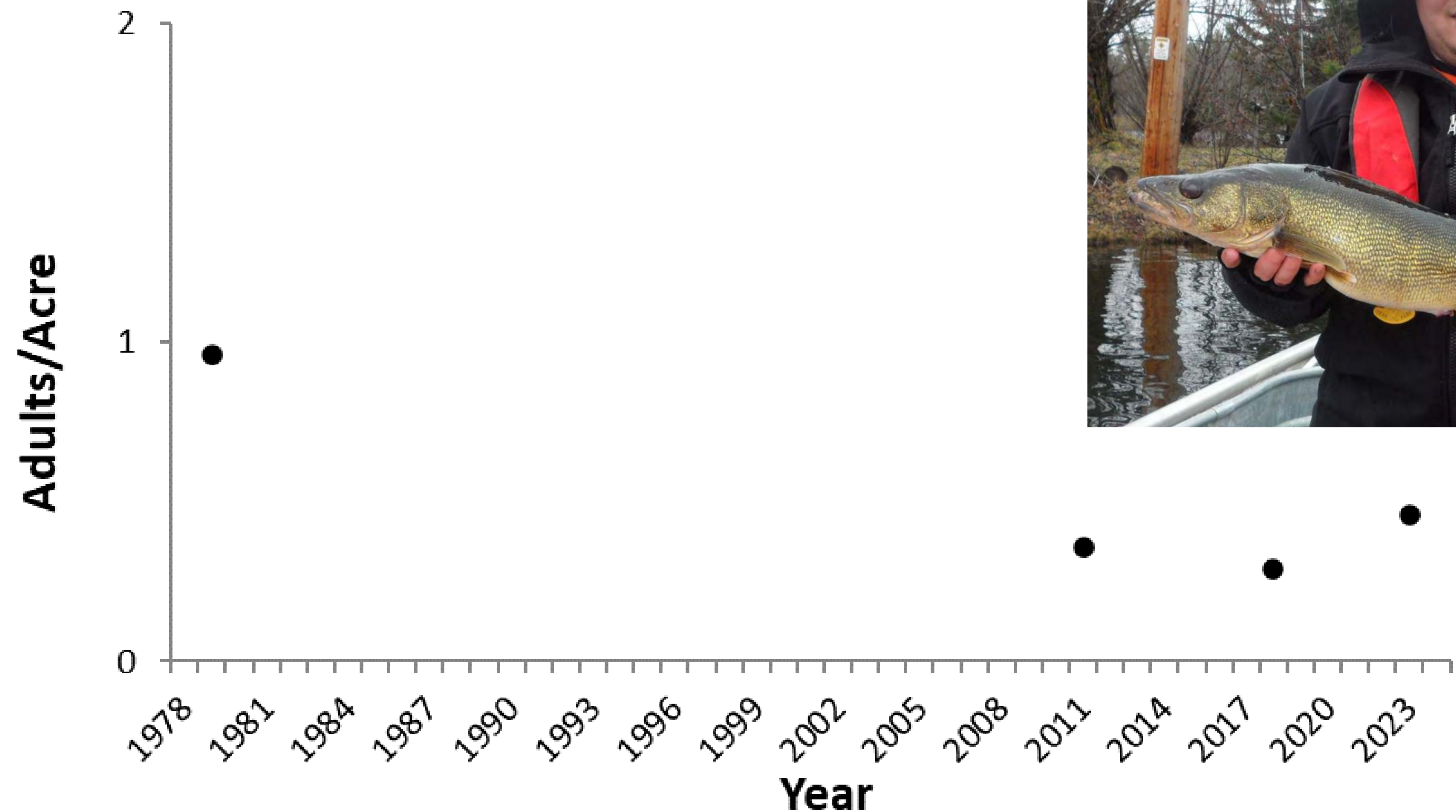
SECL - 2011 Size Structure



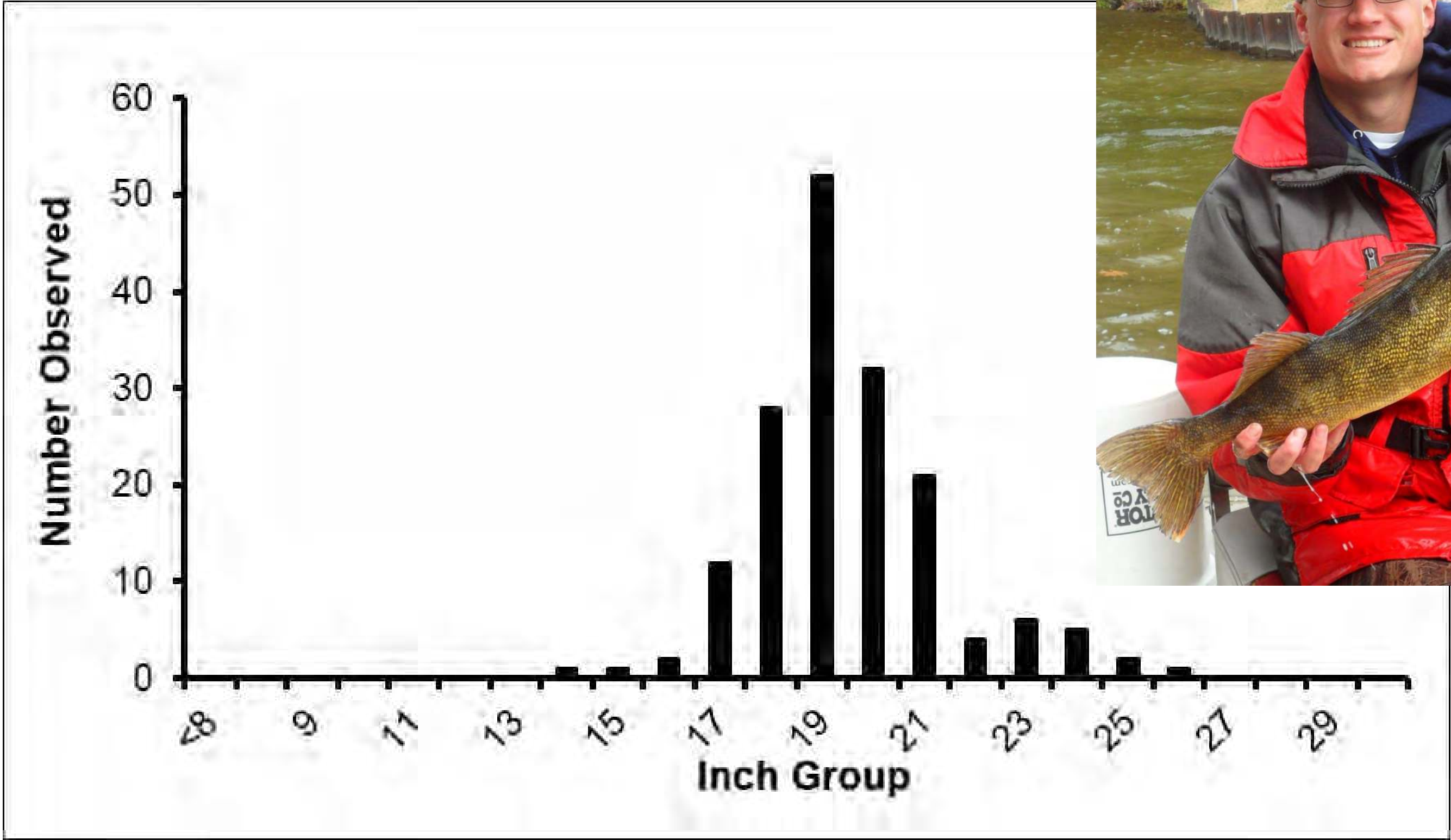
SECL - Stocking



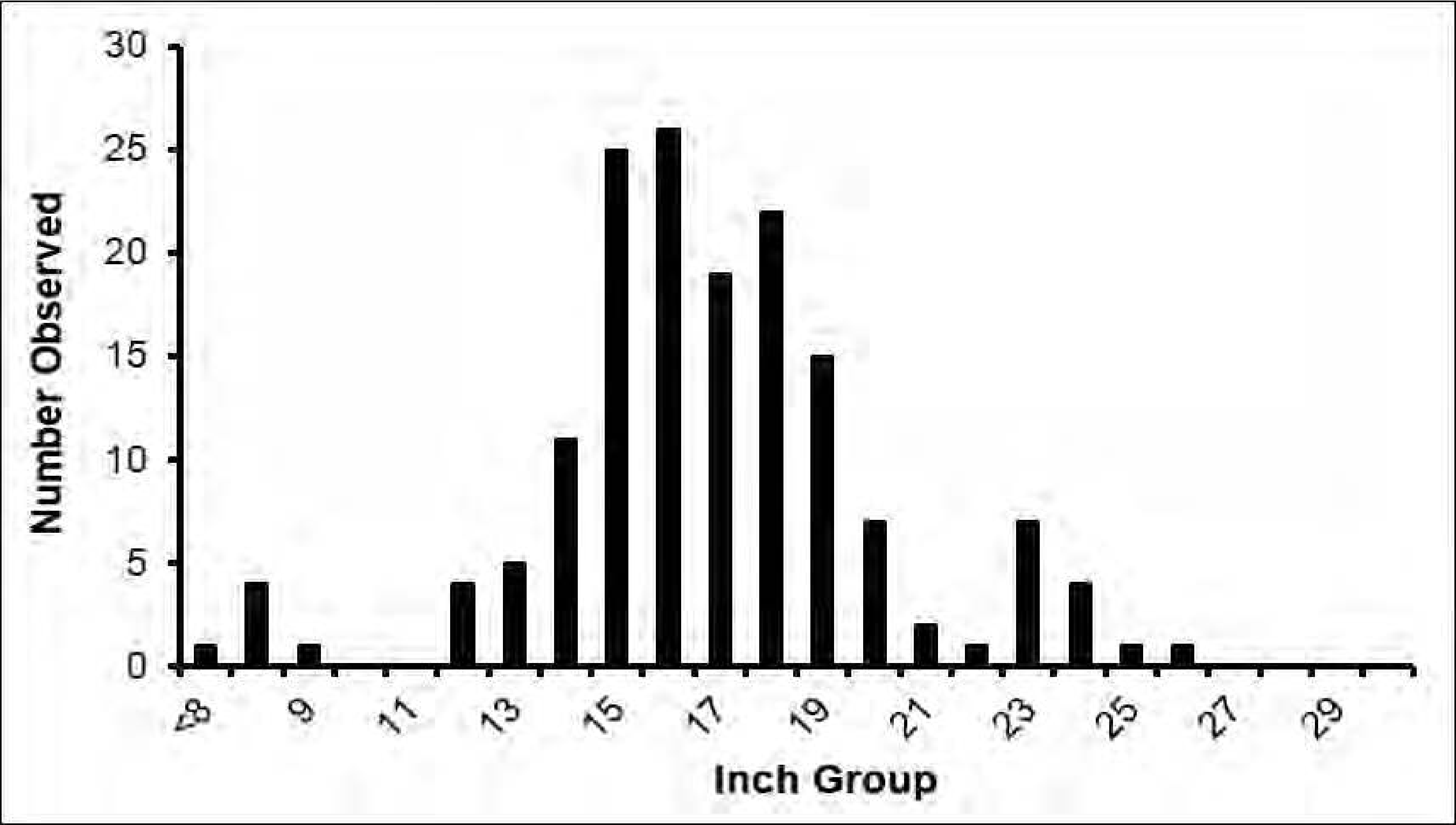
SECL - Adult Abundance



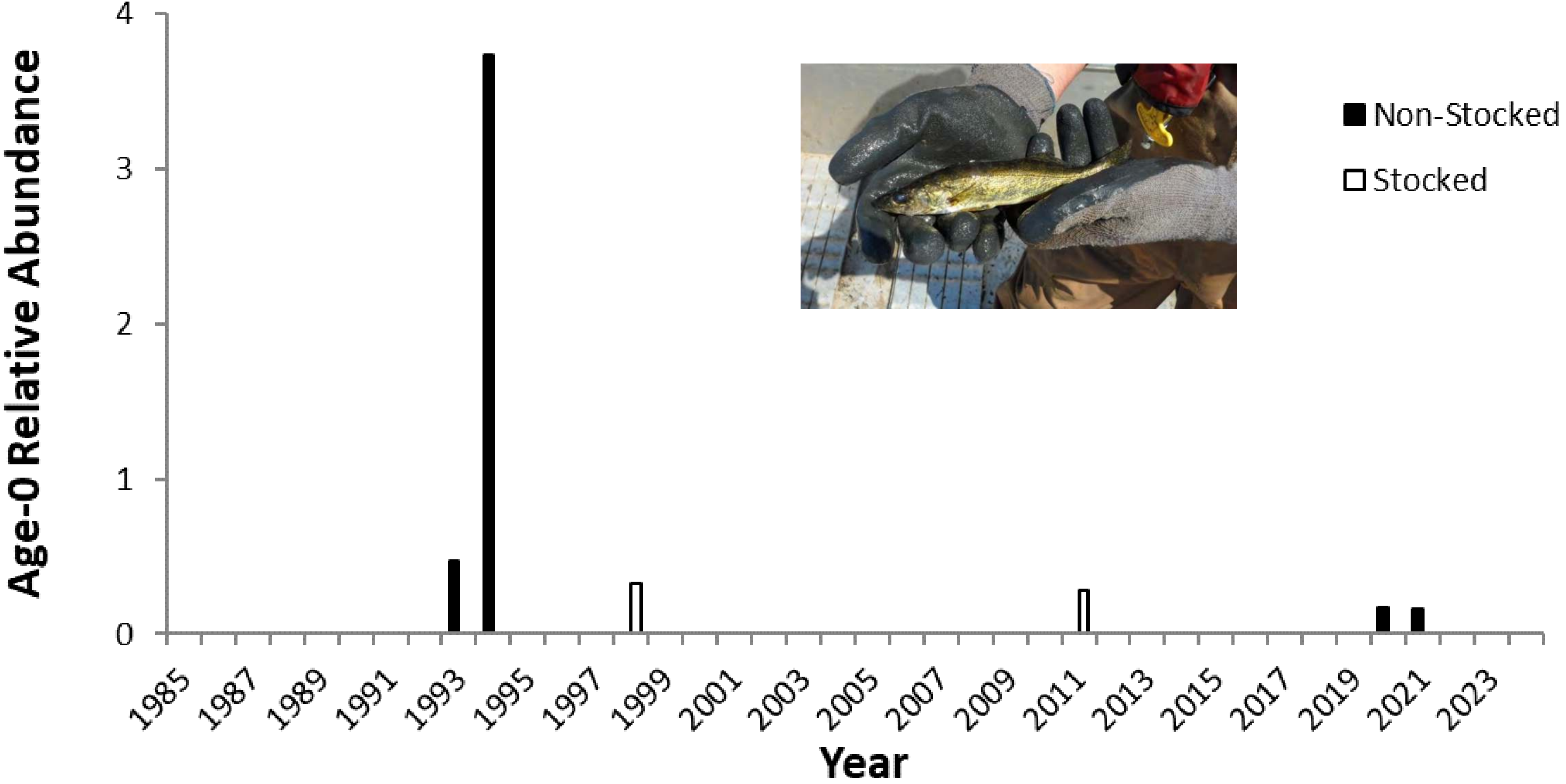
SECL - 2011 Size Structure



SECL - 2023 Size Structure

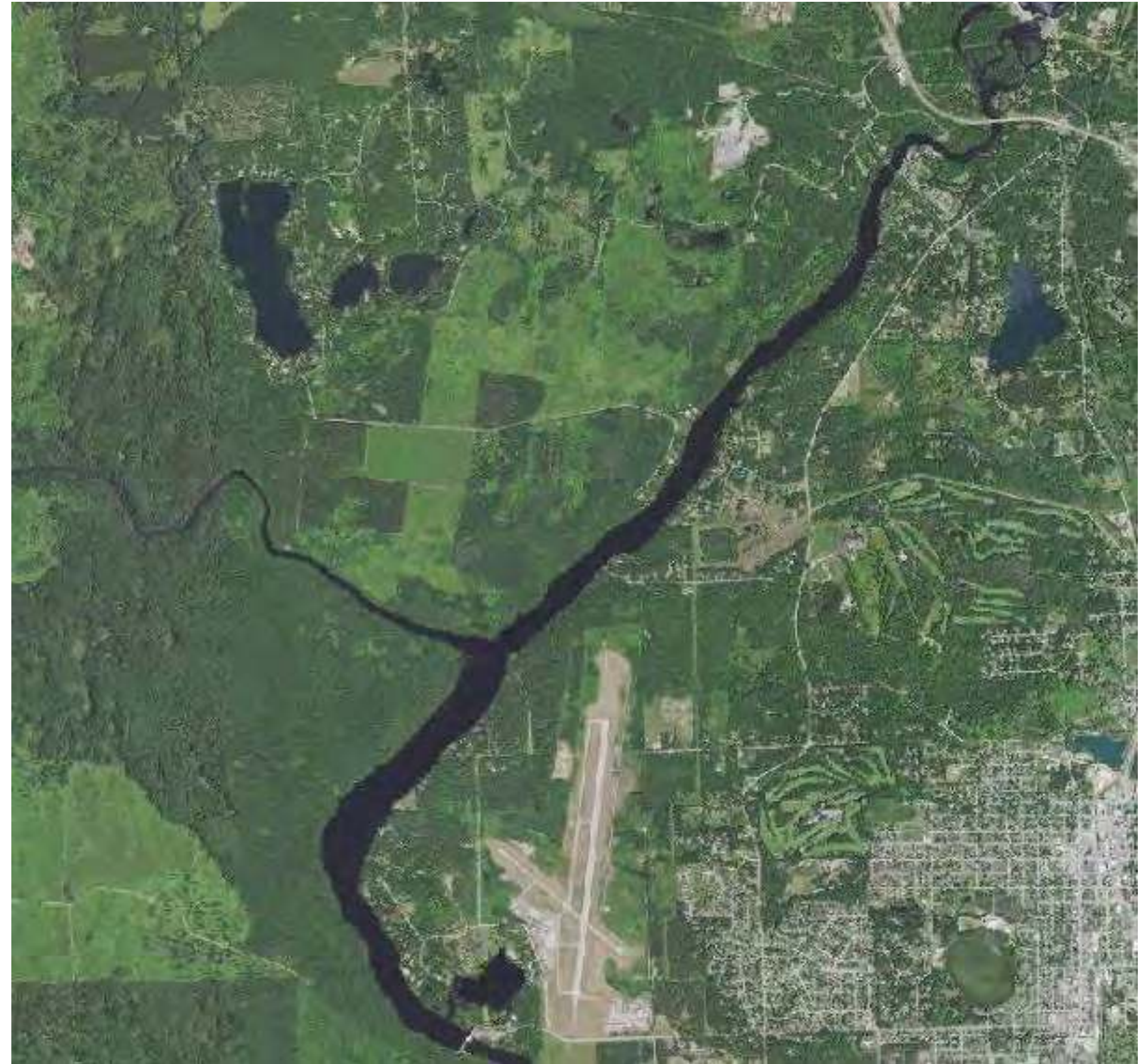


SECL - Recruitment



Kingsford Flowage

- 491-Acres
- Natural Reproduction
- Very Low Walleye Abundance
- Relatively Low Mgmt History
 - Surveys
 - Stocking



KF - Recent Comp Surveys



Spring Netting 2014

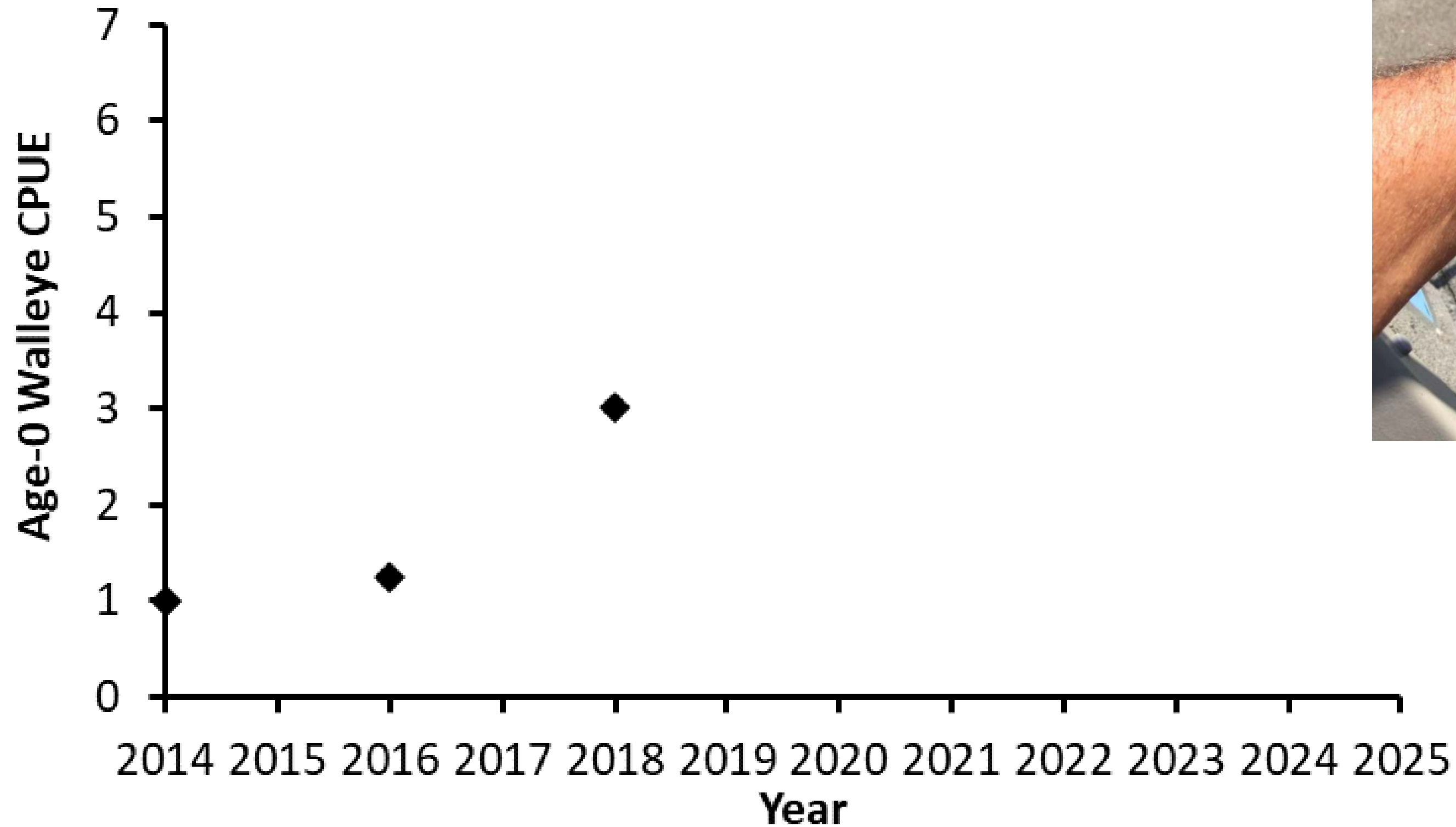
	<u>NP</u>	<u>WE</u>	<u>LMB</u>	<u>MU</u>
<i>Total</i>	652	11	7	0
<i>Catch/Net</i>	12.1	0.2	0.1	0.0



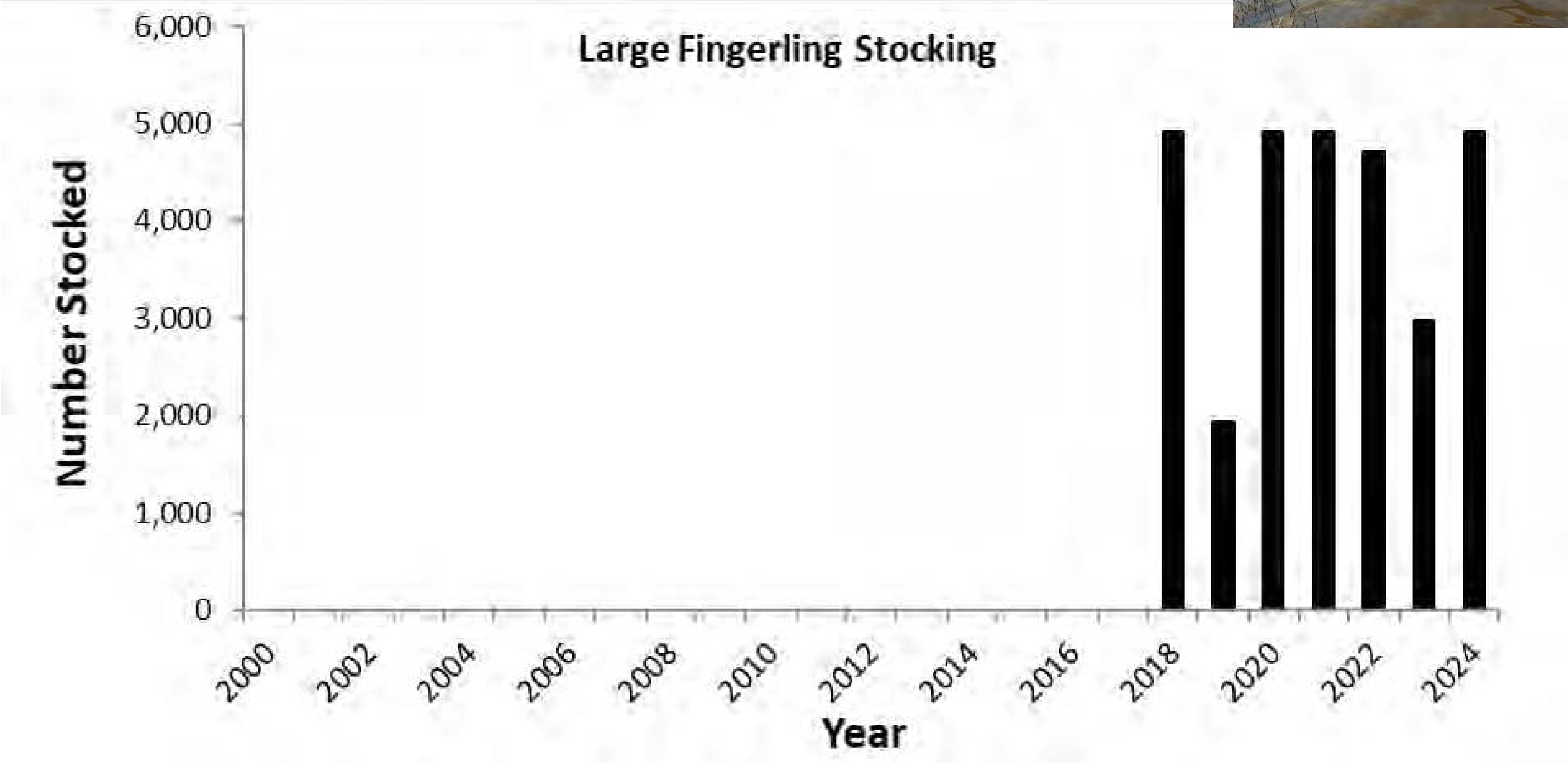
Spring Netting 2019

	<u>MU</u>	<u>NP</u>	<u>WE</u>	<u>SMB</u>	<u>LMB</u>
<i>Total</i>	0	409	7	0	50
<i>Catch/Net</i>	0.0000	4.3511	0.0745	0.0000	0.5319

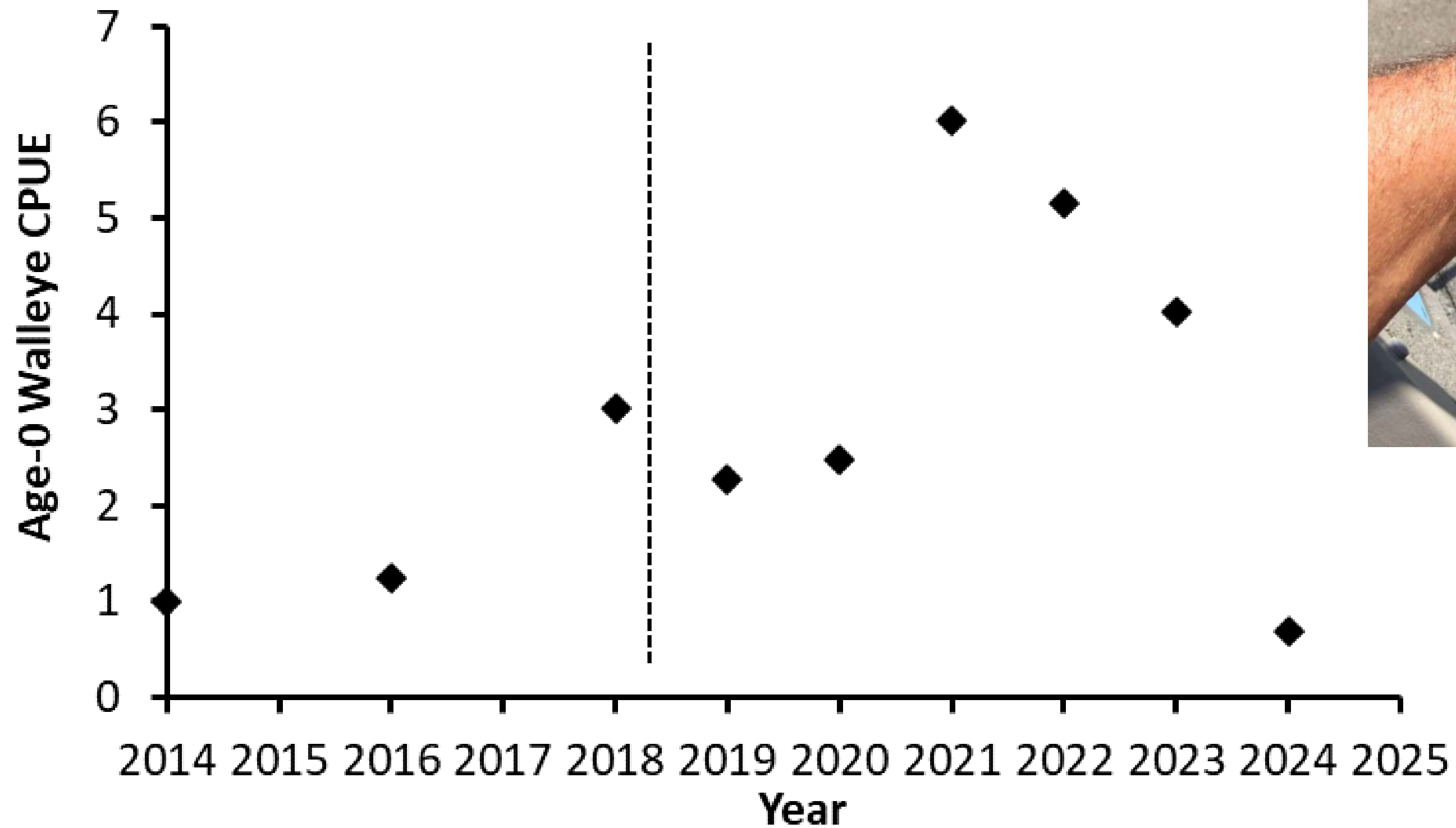
KF - Recruitment



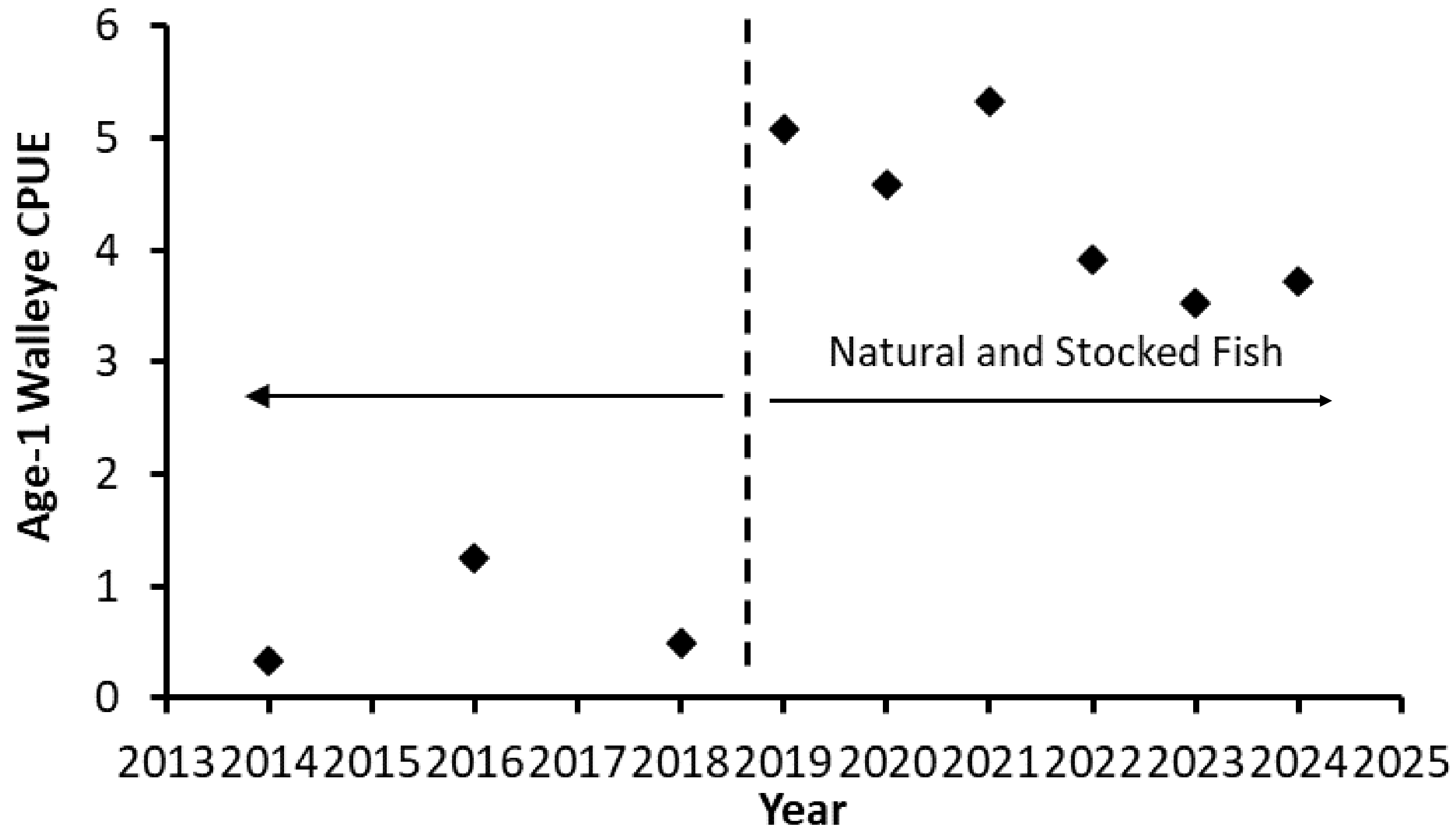
KF - Stocking



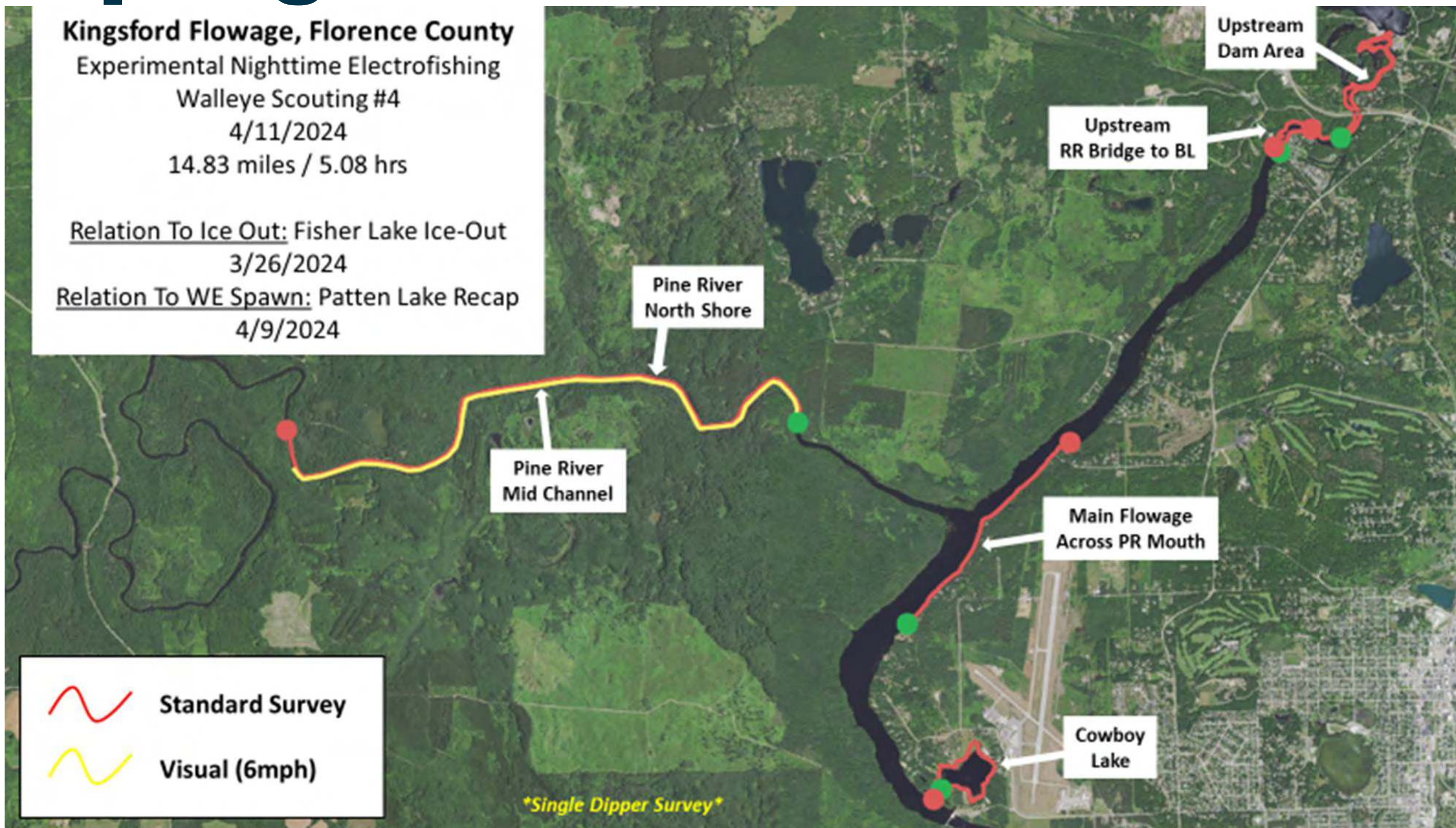
KF - Recruitment



KF - Recruitment (Age-1)

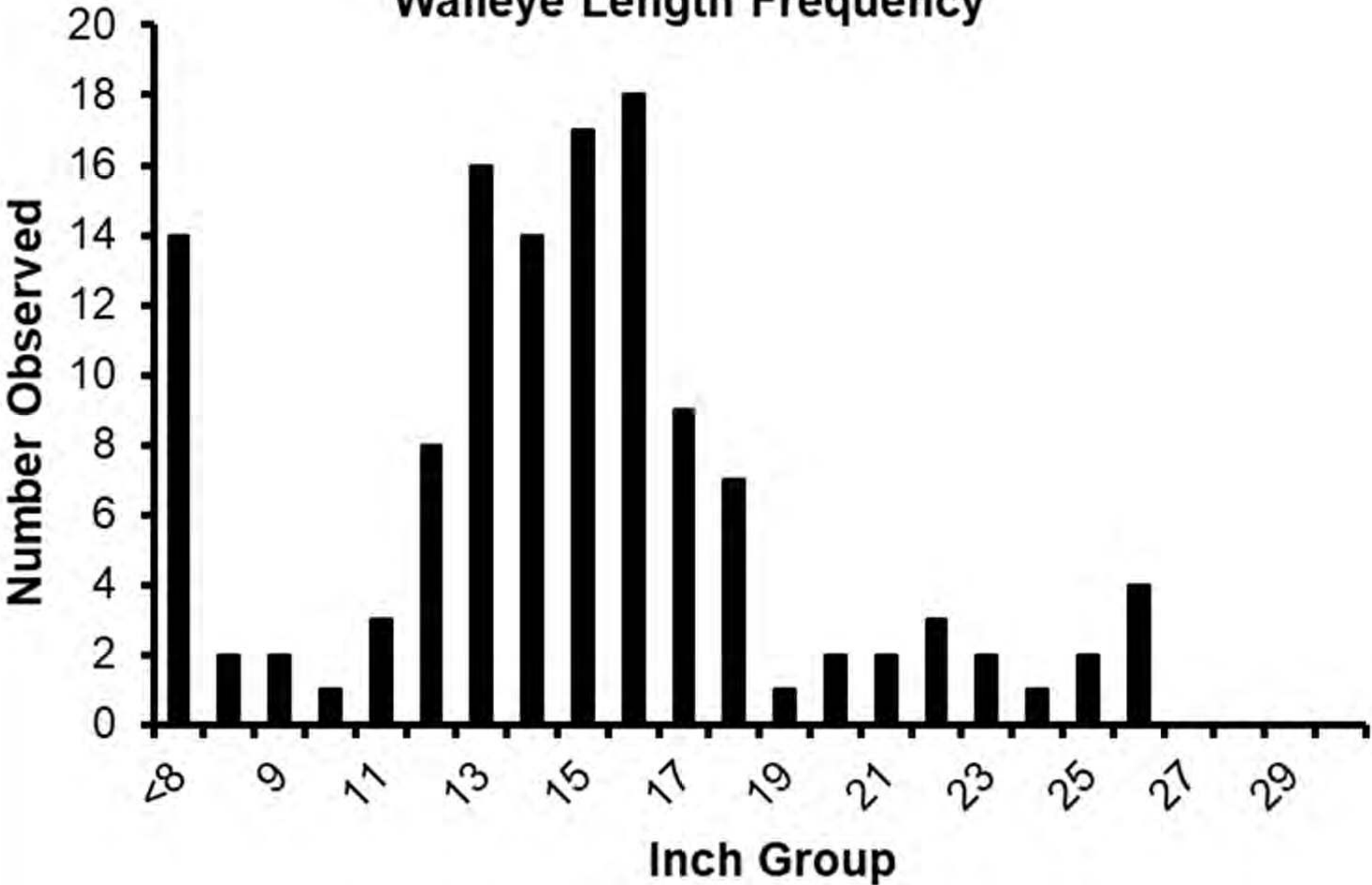


KF - Spring 2024



KF - Spring 2024

Walleye Length Frequency



Kingsford Flowage 2024
Adult Walleye Population estimate
Chapman Modification to Petersen Estimate

M = Electrofishing on 3/13 (day), 3/15 (day), 4/1 (night), and 4/11/2024 (night)
C&R = Electroshocking on April 15, 2024 (Night - Portion of Shoreline)
491 Acres

Males	M	C	R	M+1	C+1	R+1	PE	VAR	STD	CV
0-11.9	1	1	0	2	2	1	3	2		
12-14.9	15	14	2	16	15	3	79	1248		
15-19.9	13	12	1	14	13	2	90	2285		
20+	0	1	0	1	2	1	1	0		
Total	29	28	3				173	3535	59	0.3437
							0.35 /acre	95% CI =	119	

Females	M	C	R	M+1	C+1	R+1	PE	VAR	STD	CV
0-11.9	0	0	0	1	1	1	0	0		
12-14.9	2	1	1	3	2	2	2	0		
15-19.9	13	5	1	14	6	2	41	374		
20+	14	3	2	15	4	3	19	23		
Total	29	9	4				62	396	20	0.3210
							0.13 /acre	95% CI =	40	

M & F & Unk. > 14.9"	M	C	R	M+1	C+1	R+1	PE	VAR	STD	CV
0-11.9	1	1	0	2	2	1	3	2		
12-14.9	17	15	3	18	16	4	71	756		
15-19.9	36	19	3	37	20	4	184	5417		
20+	14	4	2	15	5	3	24	58		
Total	68	39	8				282	6233	79	0.2800
							0.57 /acre	95% CI =	158	

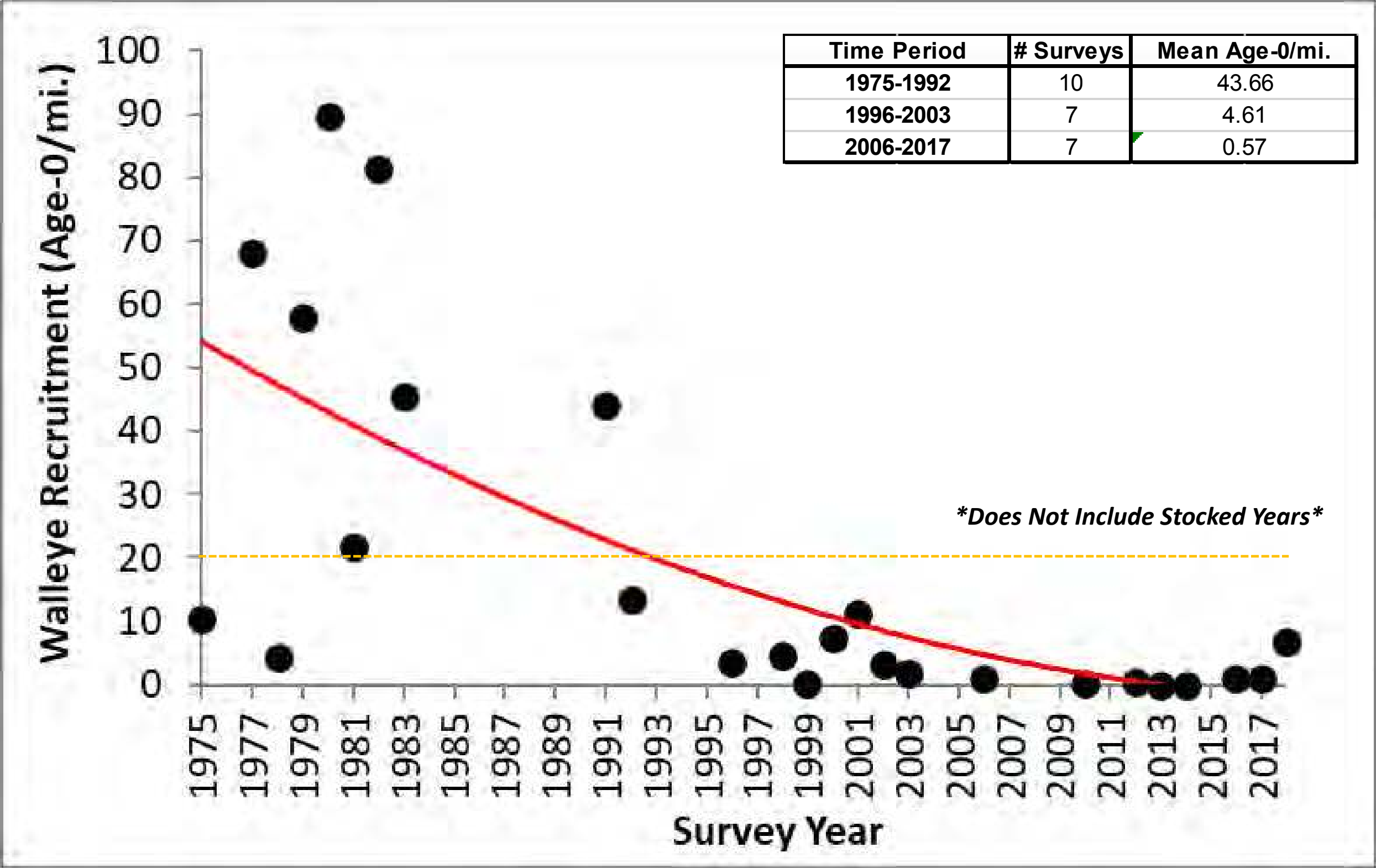
VAR = (PE*PE)(C-R)/(C+1)(R+2)
STD = SQRT VAR
95% CI = +/- 2STD
CV = STD/PE

Roberts Lake

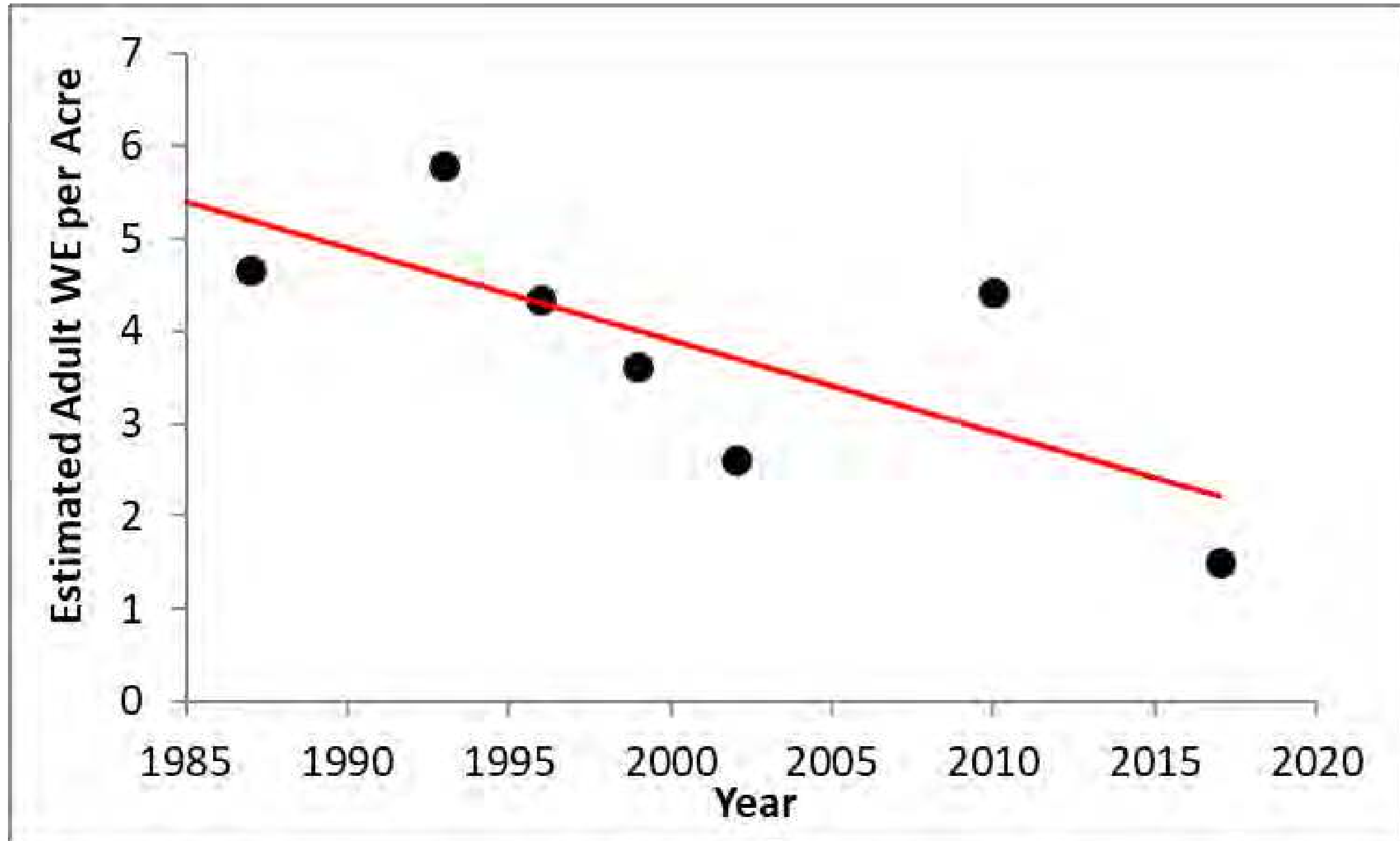
- 415-Acres
- Walleye Introduced 1938
- YP/SMB/WE/MU
 - Dominant through late 90s



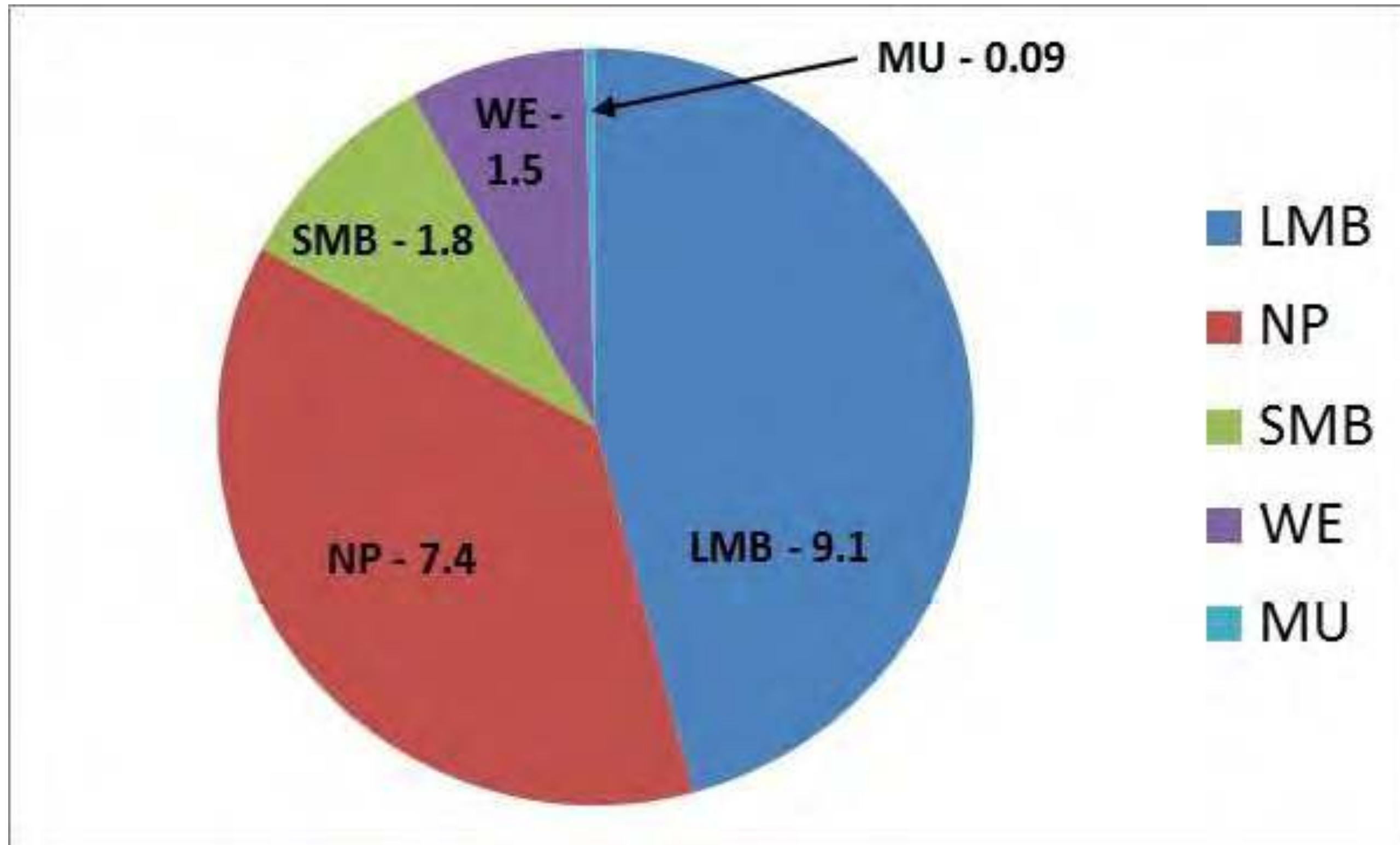
Roberts - Recruitment



Roberts - Adult Abundance



Roberts - Gamefish Community (2016)

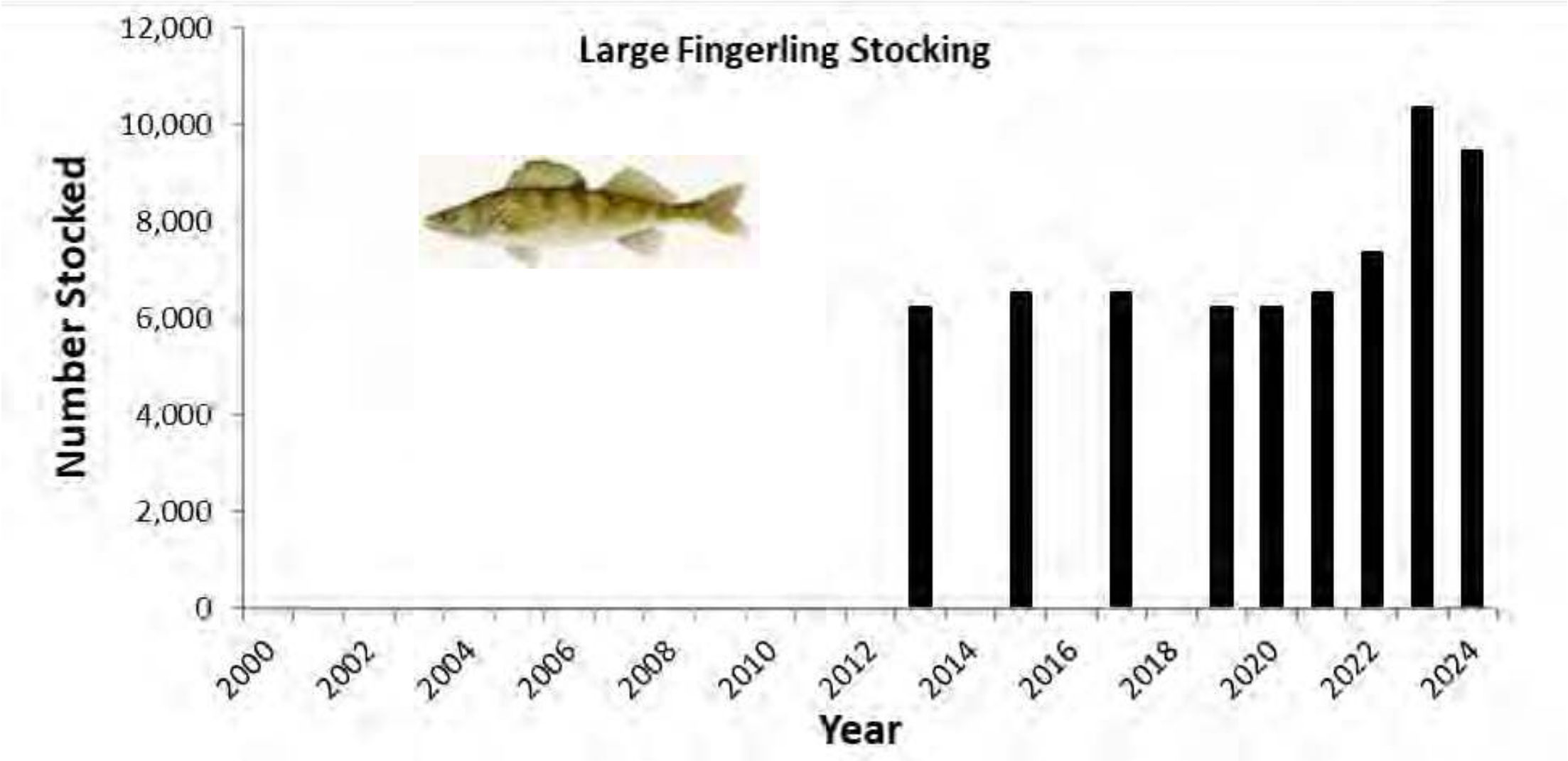


Roberts - Biomanipulation (2019-Present)

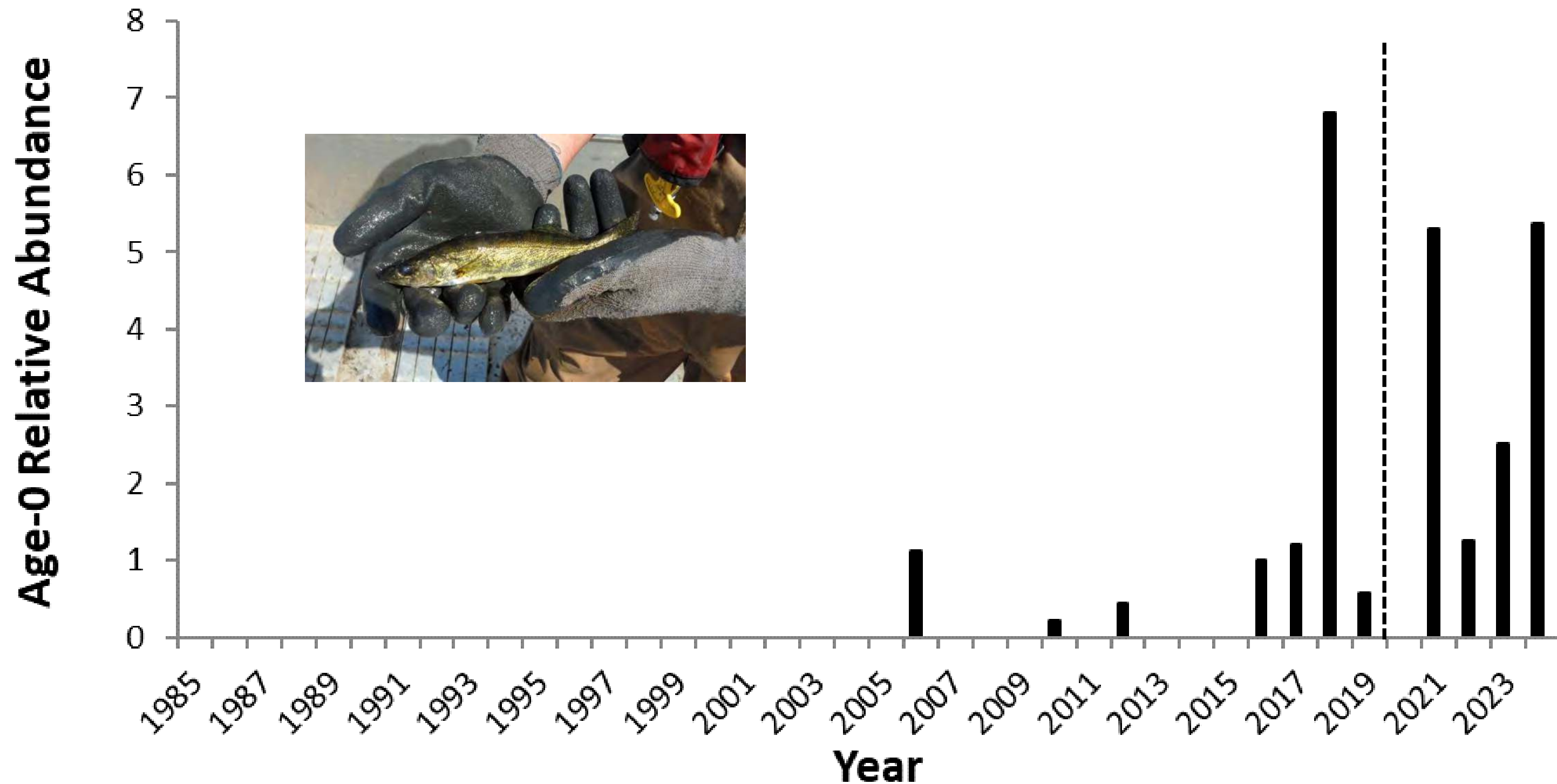
Removals



Aggressive Stocking

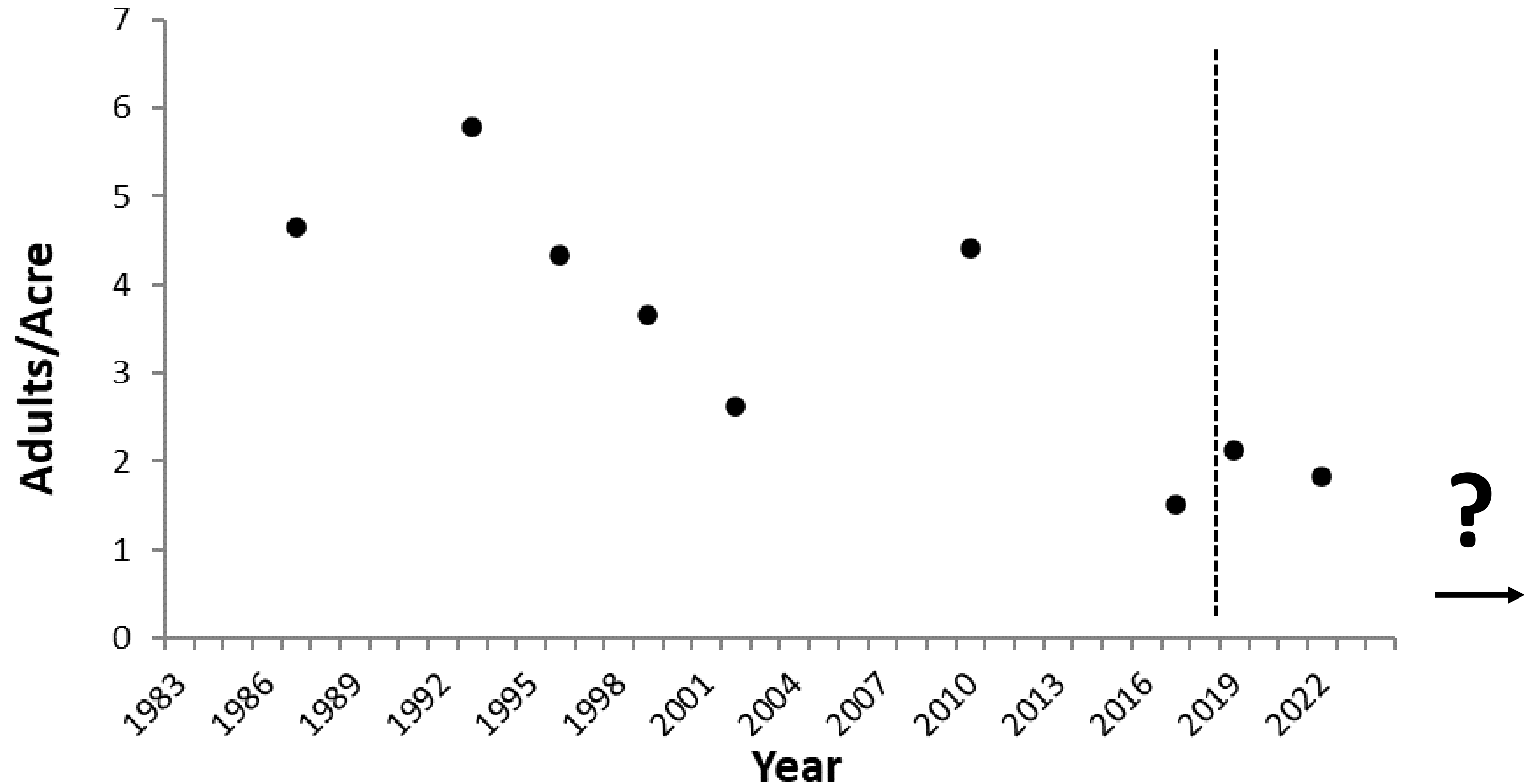


Roberts - Recruitment (Post Removal)



Age-1 catch rates suggest that stocked fish are surviving

Roberts - Adult Abundance

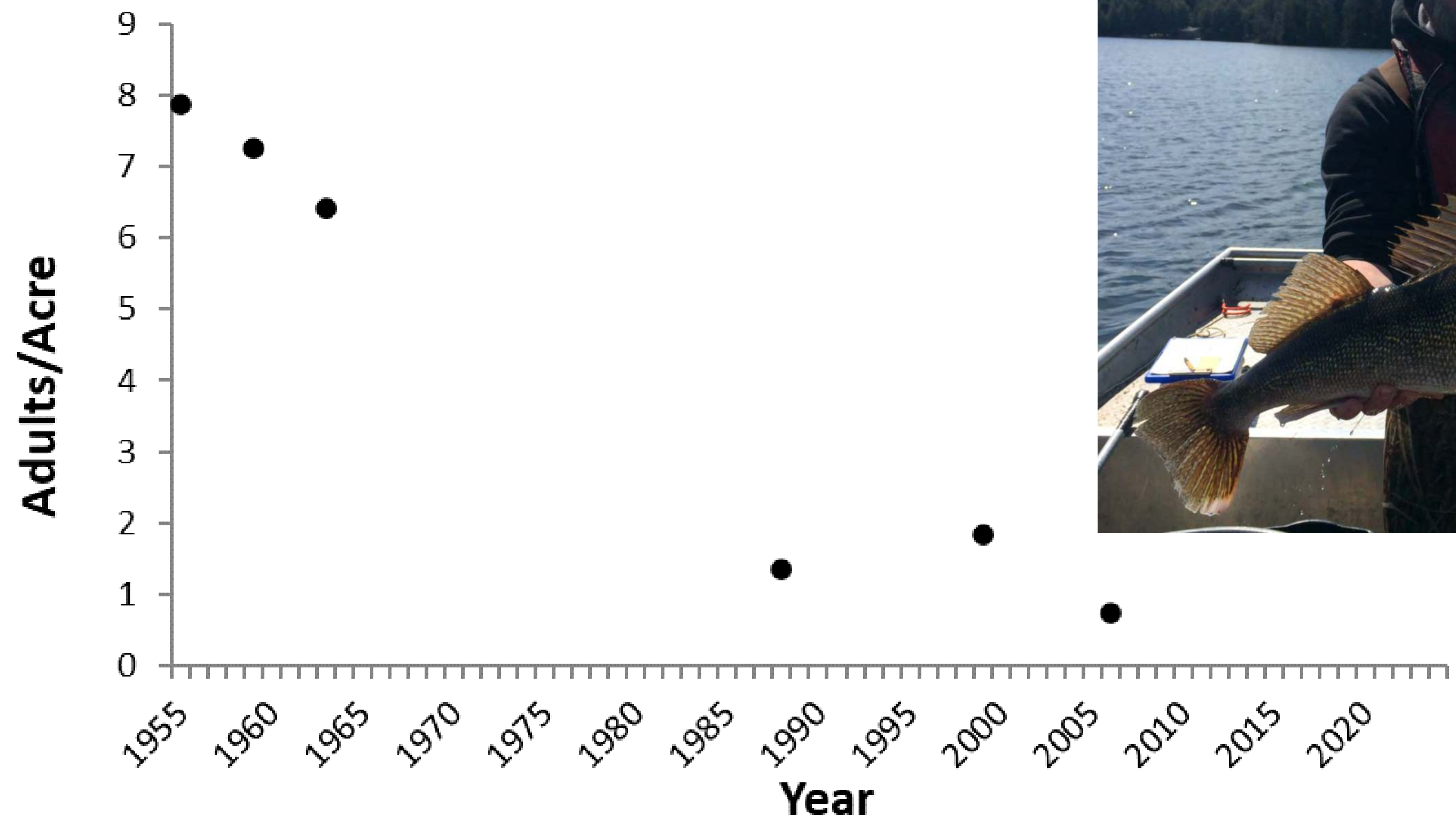


Crane Lake

- 341-Acres
- Introduced 1941
- NR Through 1970s



Crane - Adult Abundance



Crane - Biomanipulation (BH Removal)



- 8,345 fish removed
(24.47/acre)

Mean Length 10.8 in.
Mean Weight 0.71
lbs

- 5,899.5 lbs removed
(17.3 lbs/acre)

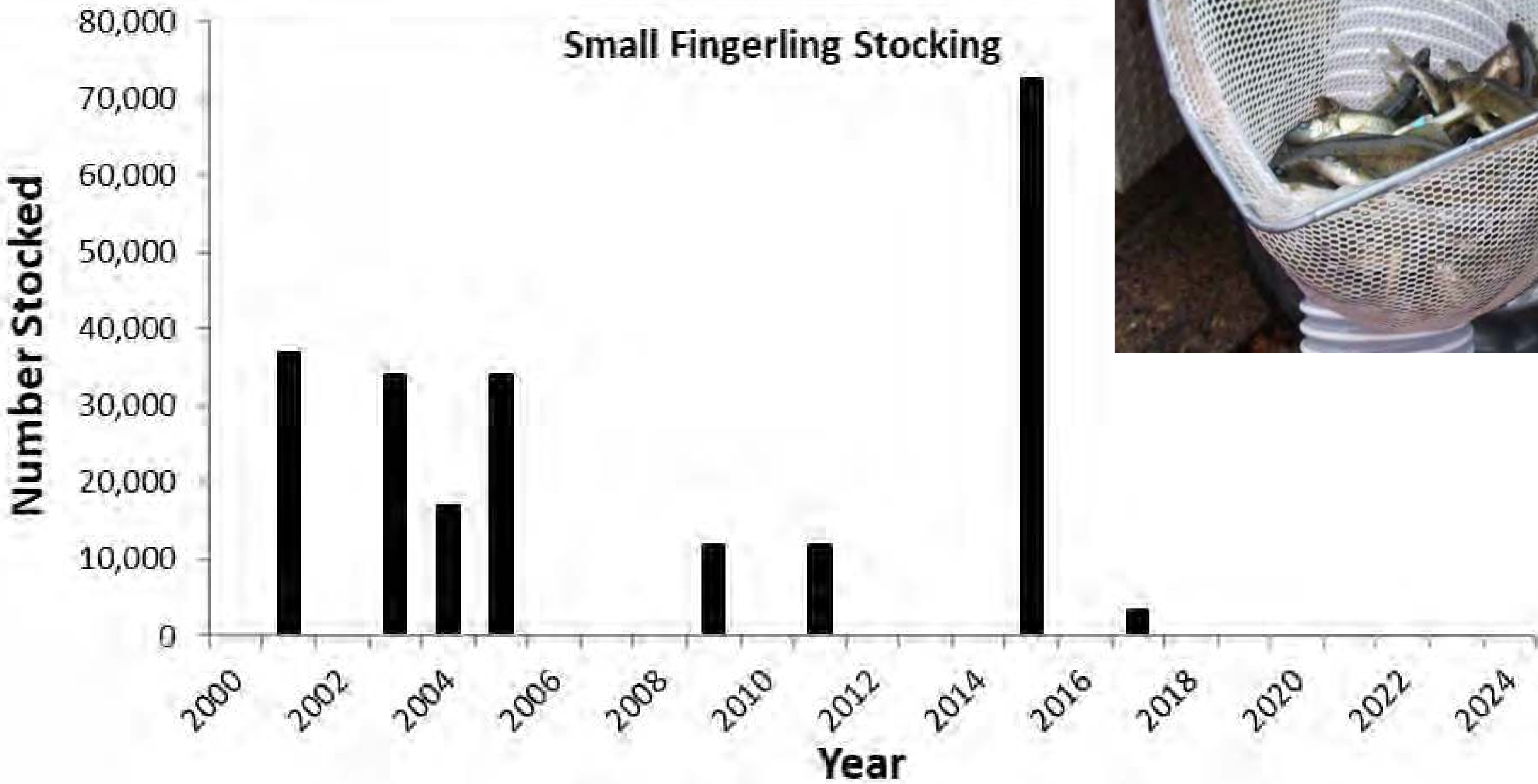


Aggressive Stocking

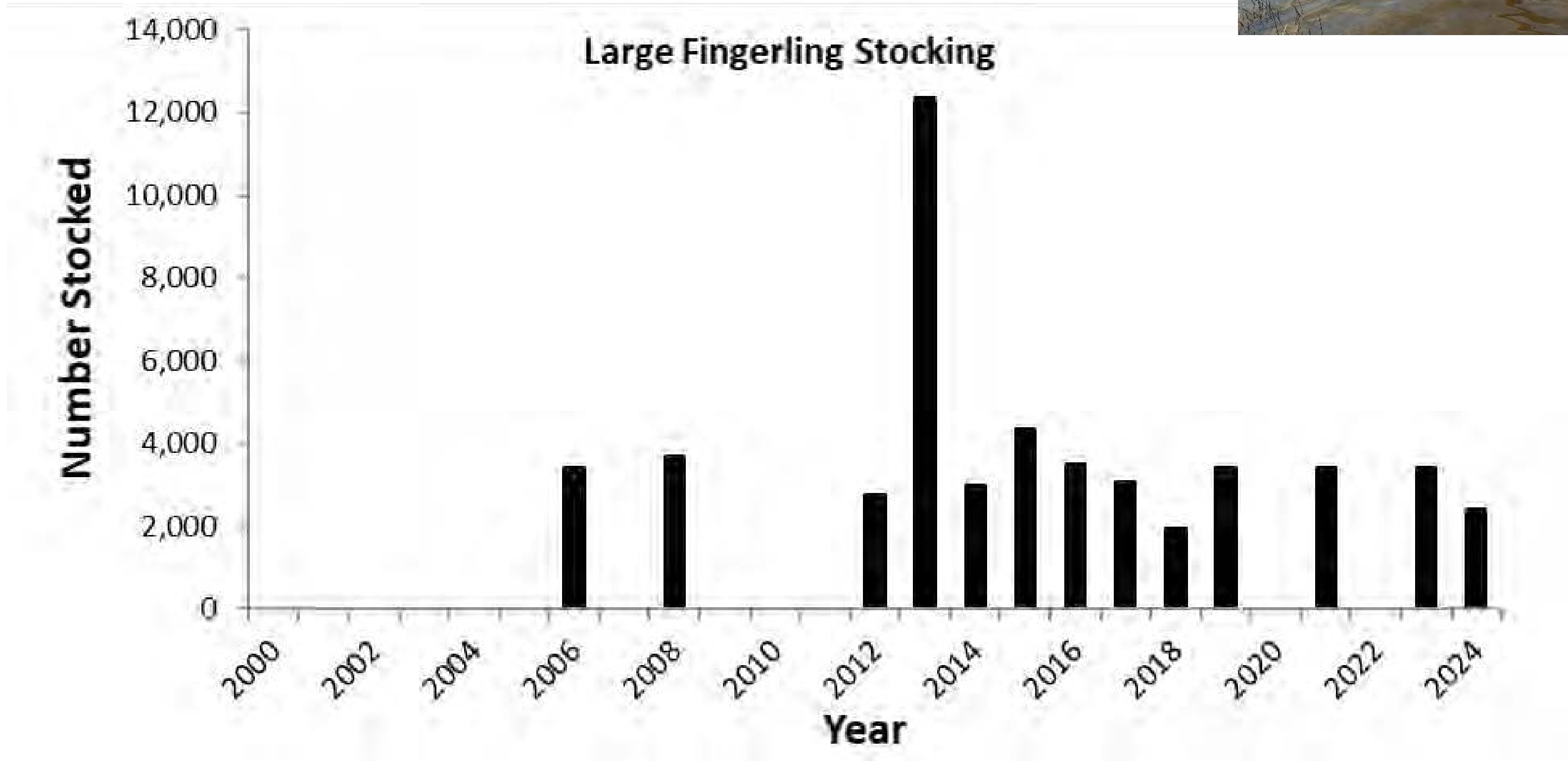
Crane Lake
Bullhead Removal
5/14 – 5/24/2013 (160 net lifts)



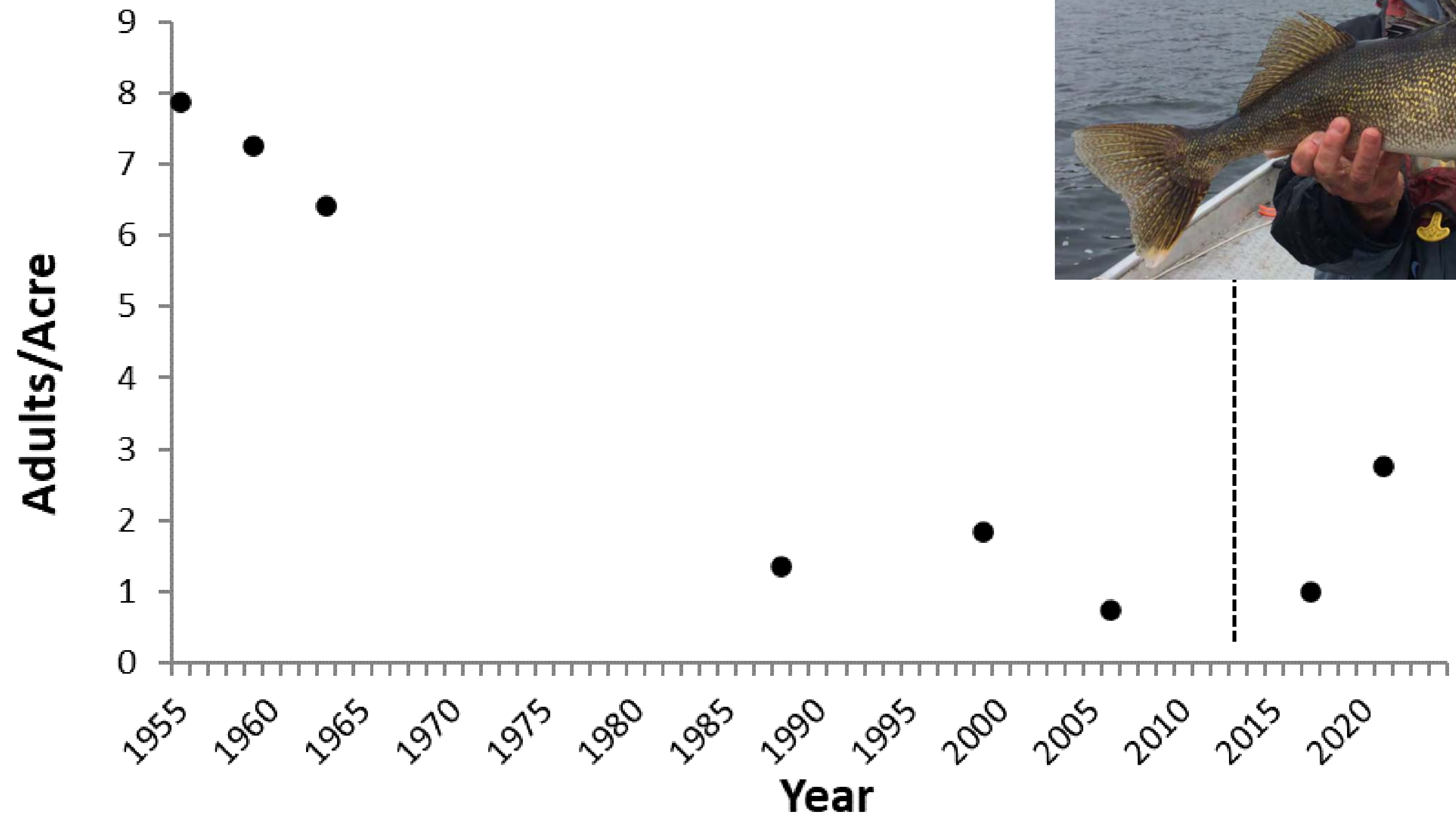
Crane - Stocking



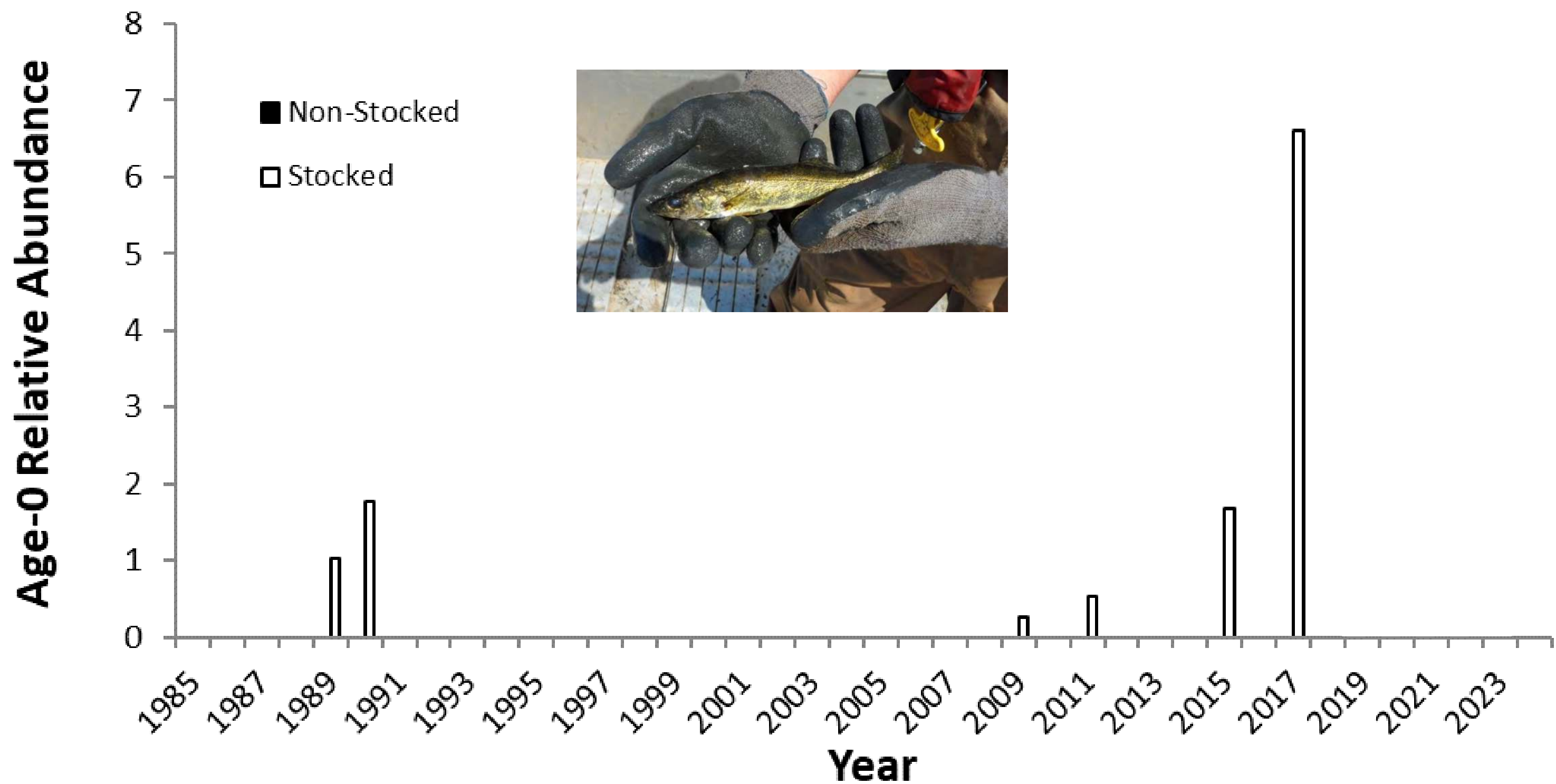
Crane - Stocking



Crane - Adult Abundance



Crane - Recruitment



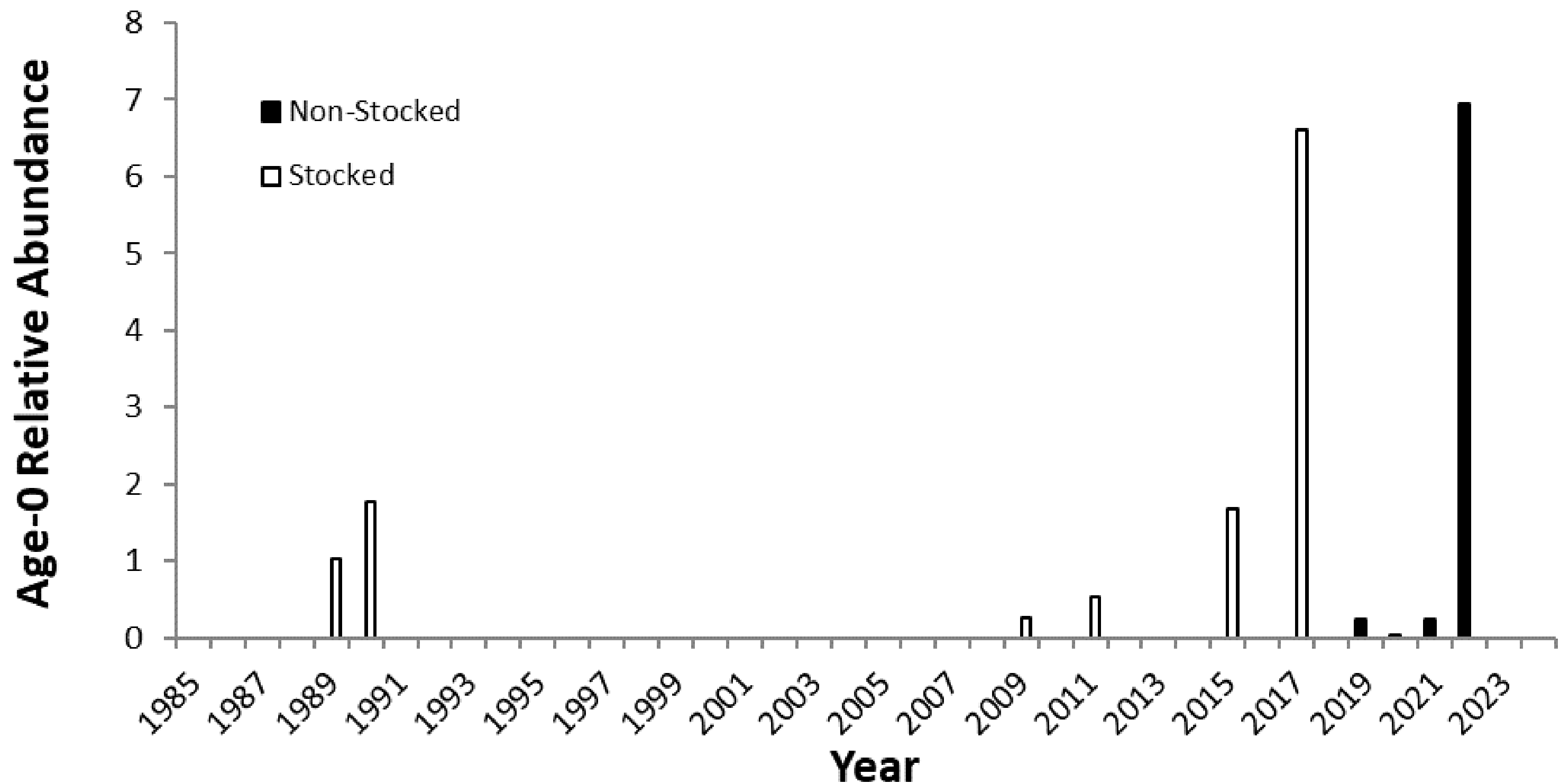
Crane - Spawning Reef (2019)



Crane - Recruitment



Crane - Recruitment

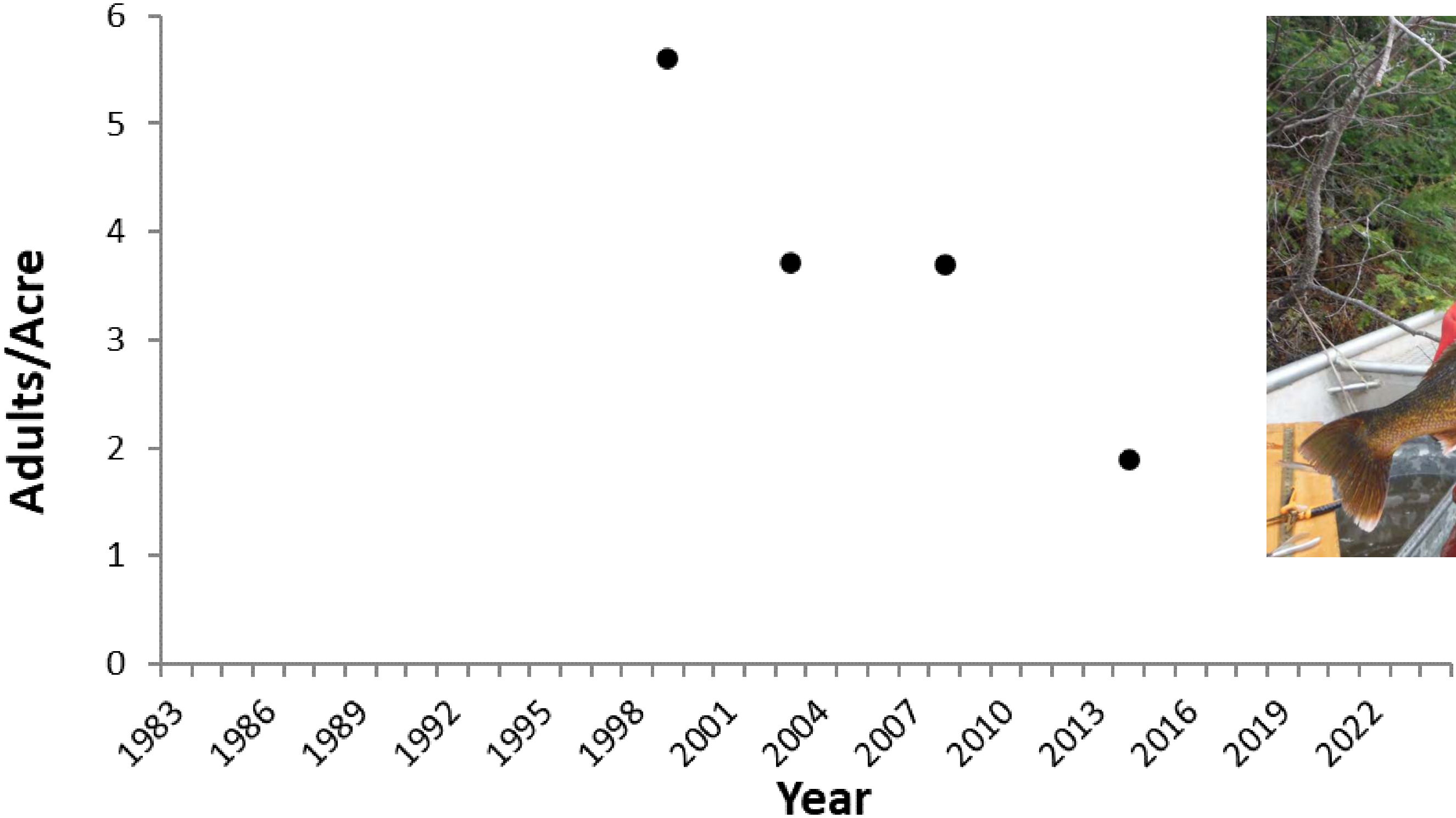


Stevens Lake

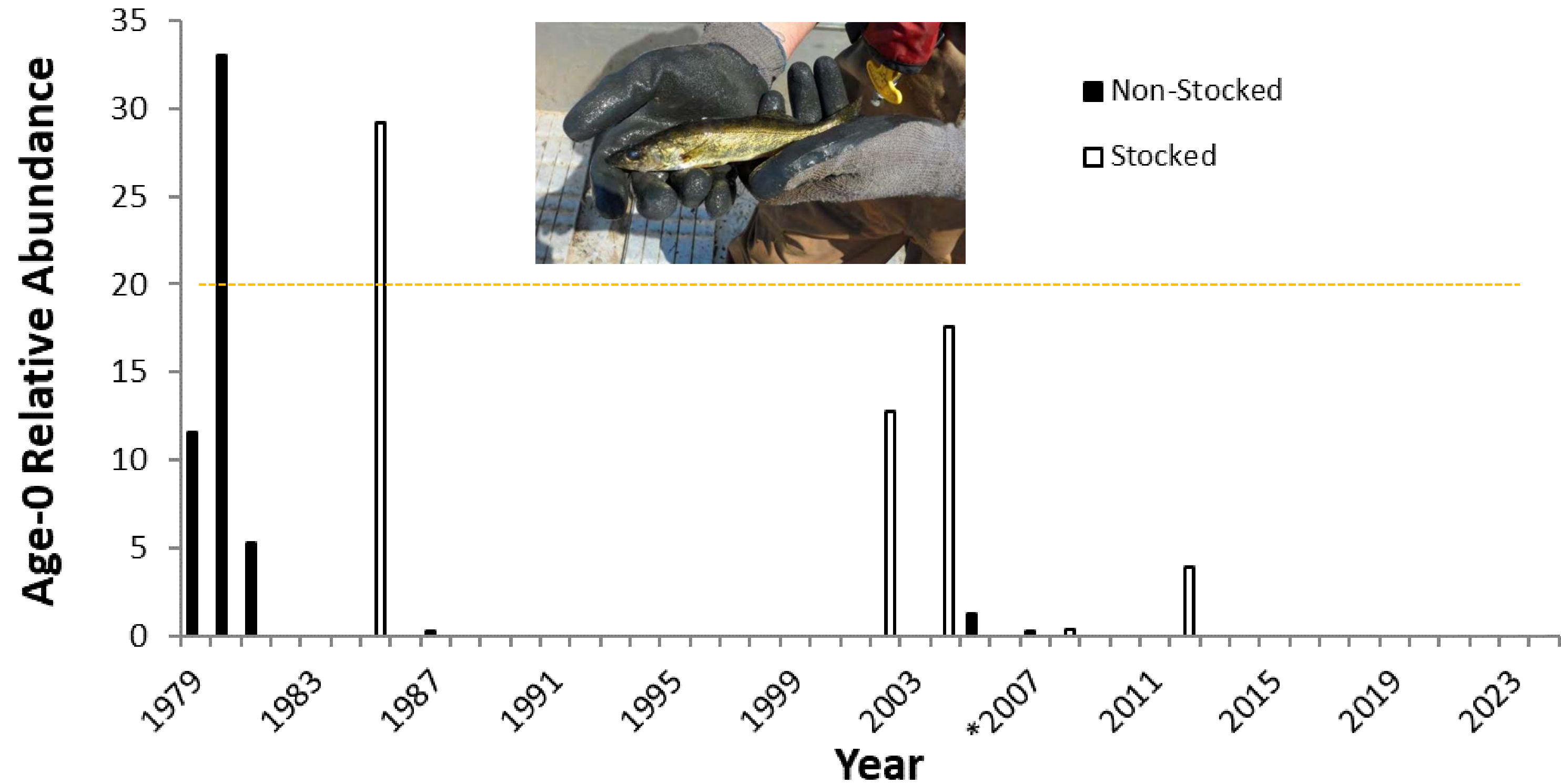
- 297-Acres
- Introduced 1967
- NR Early
- Reliant on Stocking Since 80's



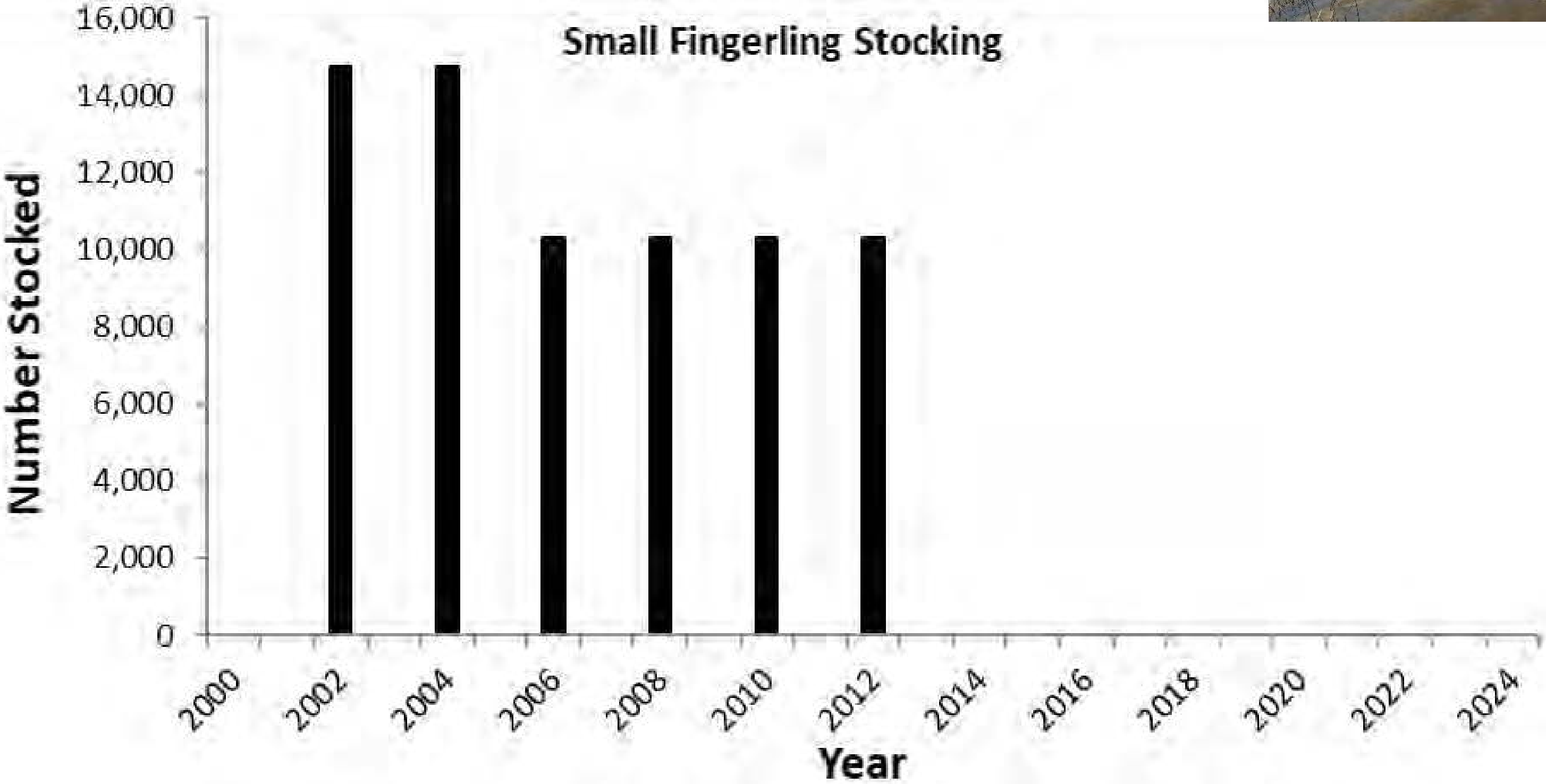
Stevens - Adult Abundance



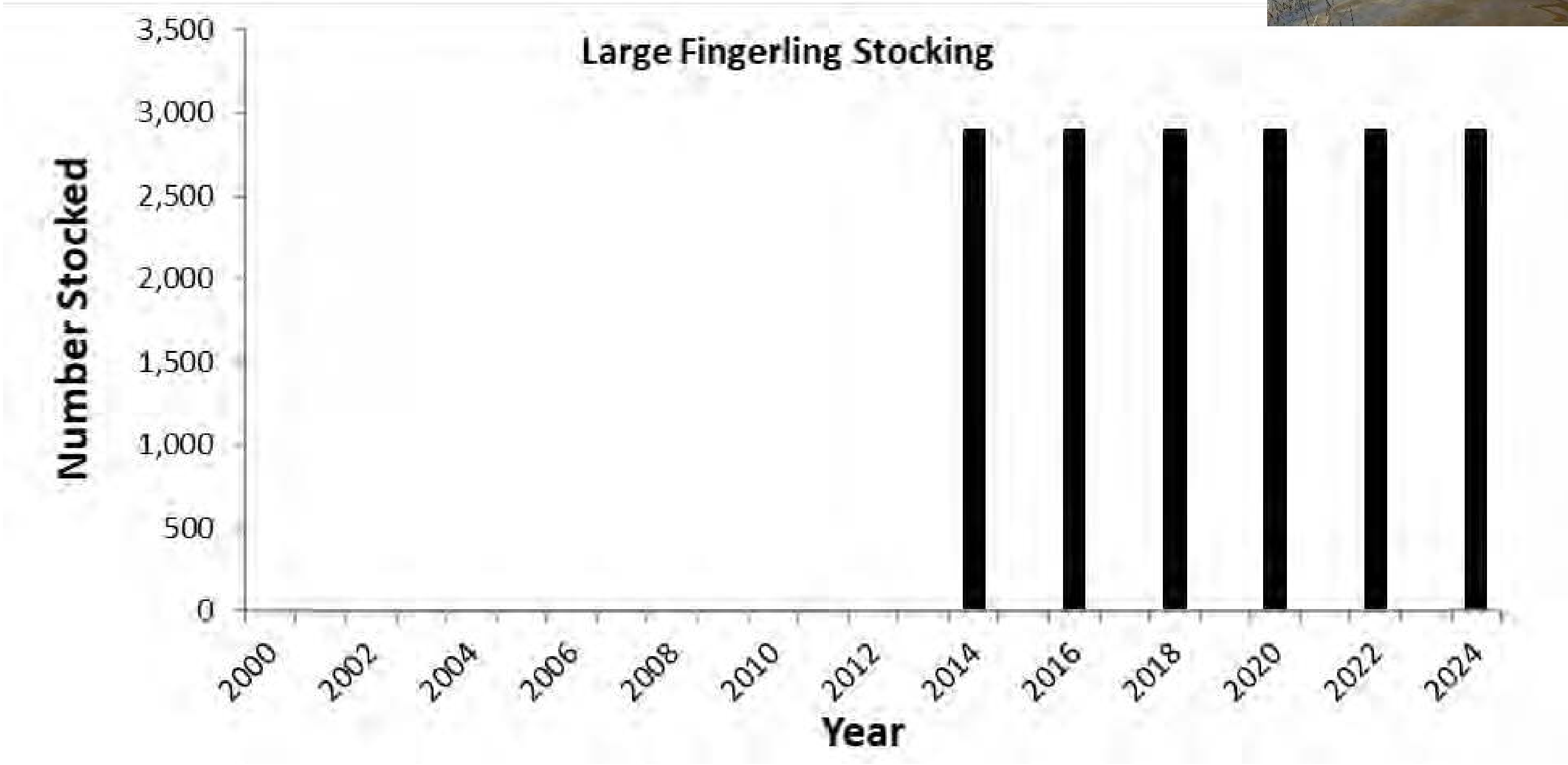
Stevens - Recruitment



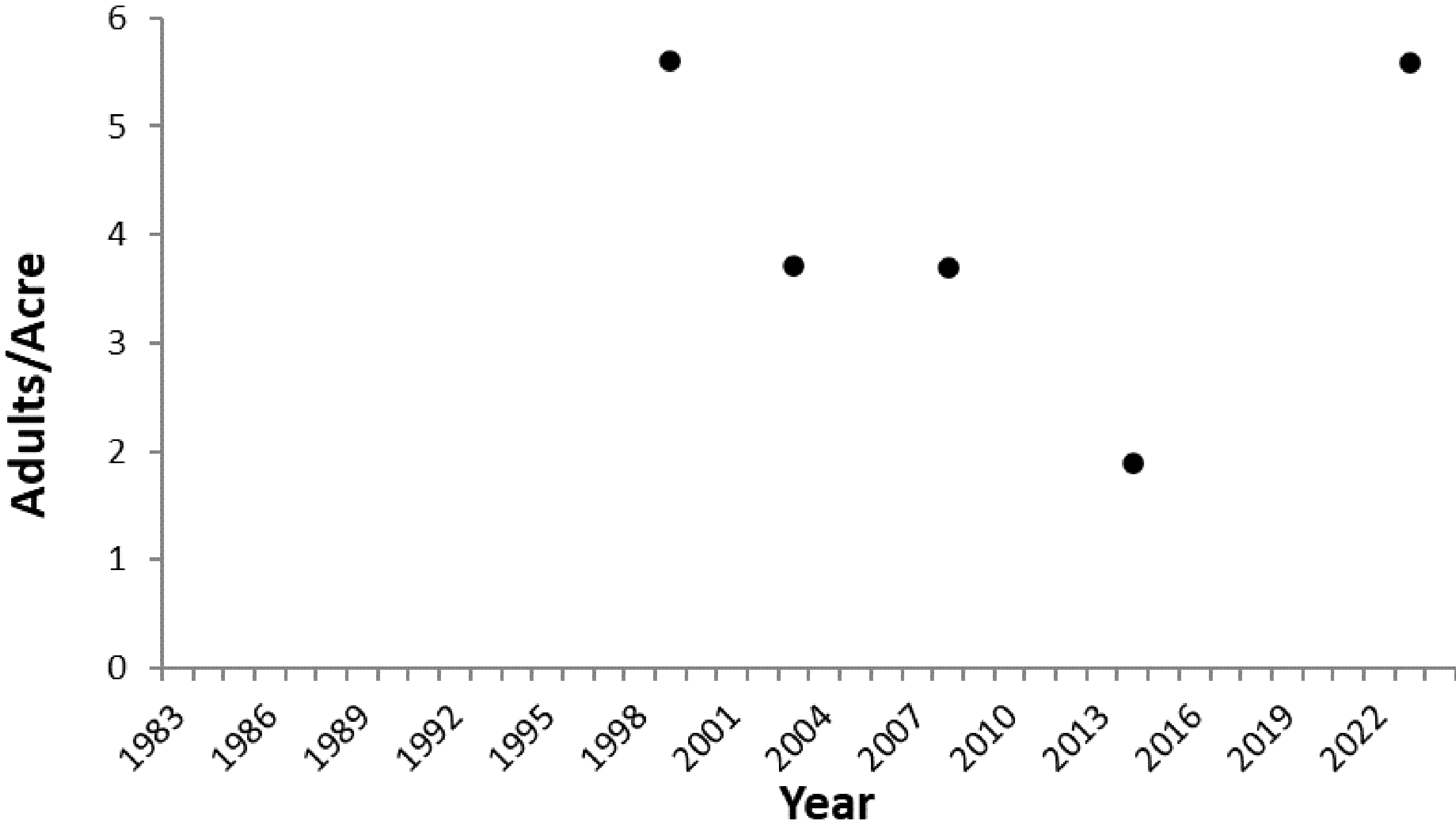
Stevens - Stocking



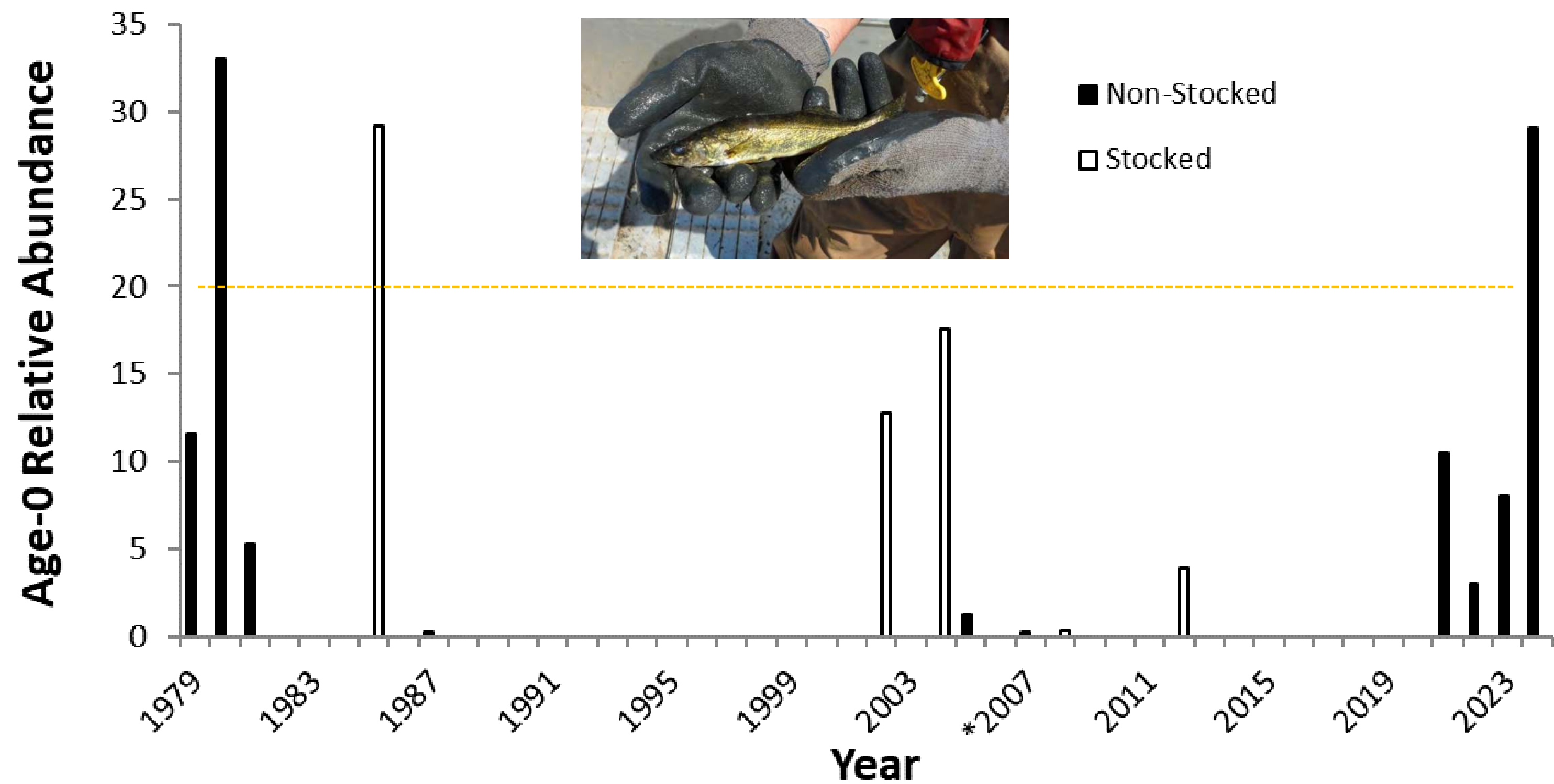
Stevens - Stocking



Stevens - Adult Abundance



Stevens - Recruitment

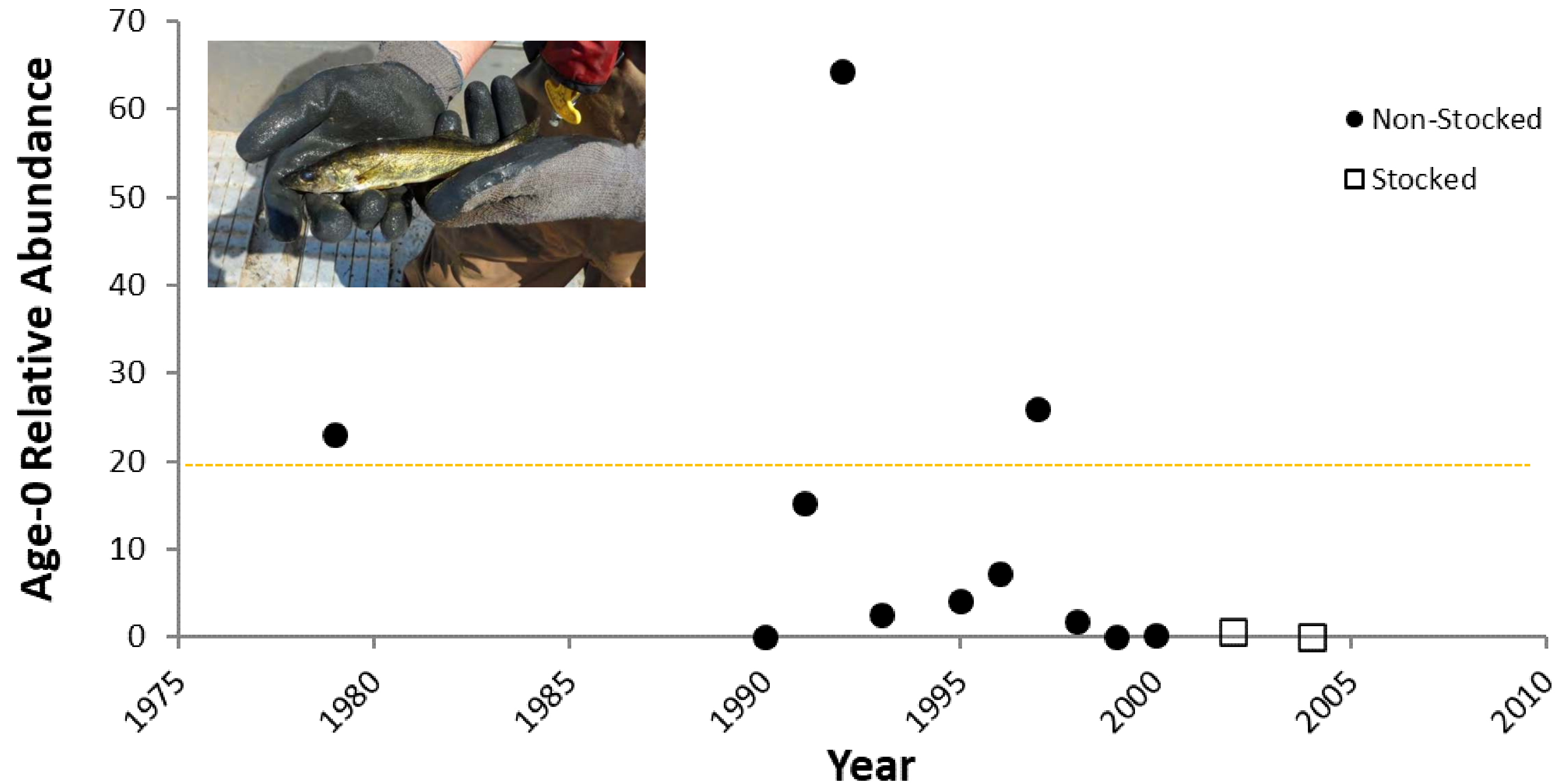


Keyes Lake

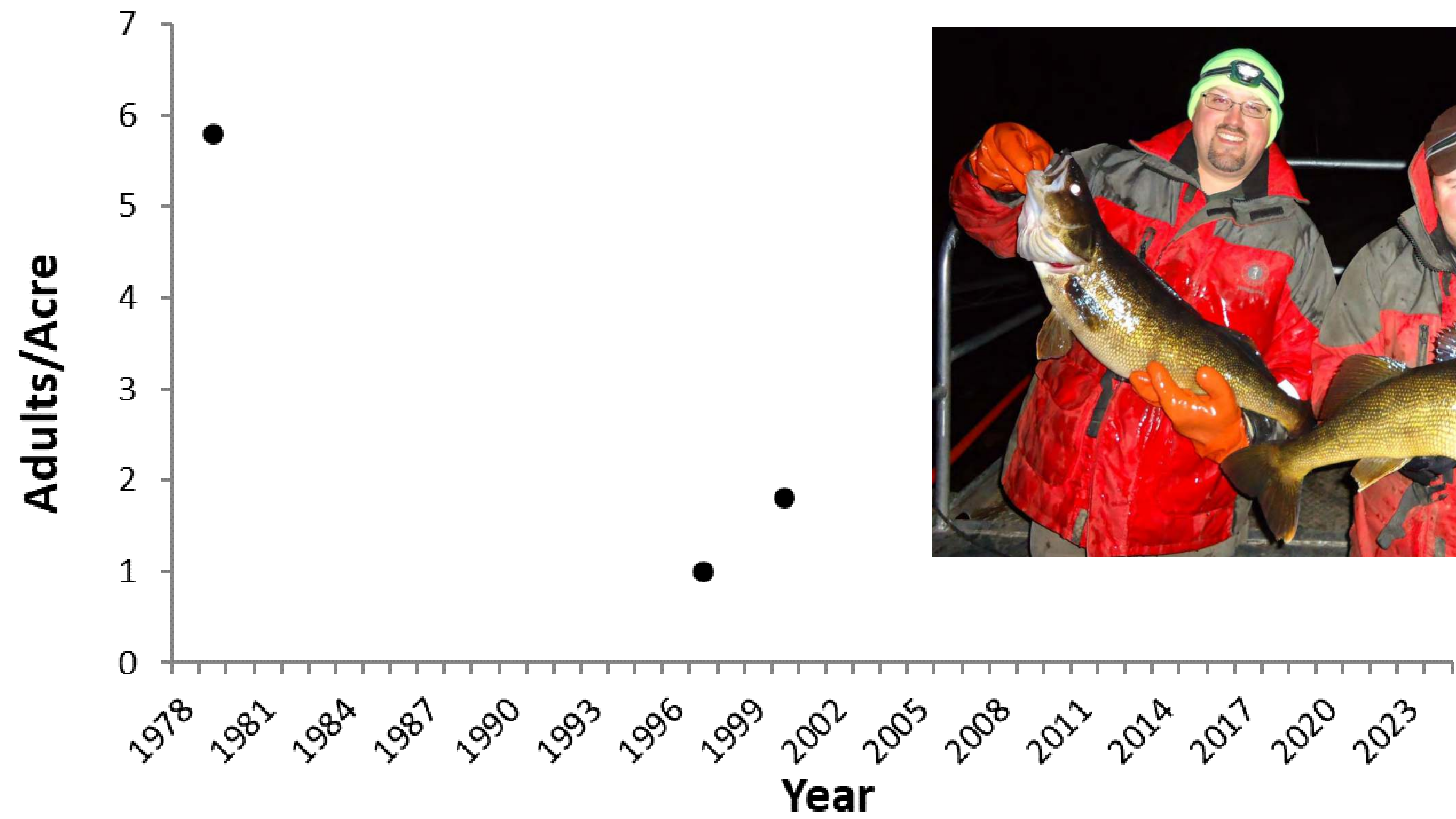
- 202-Acres
- Introduced 1937
 - Stocked through 1954
- NR Documented 1972
- Stocking Re-Started 2002
- Smelt Documented 2006



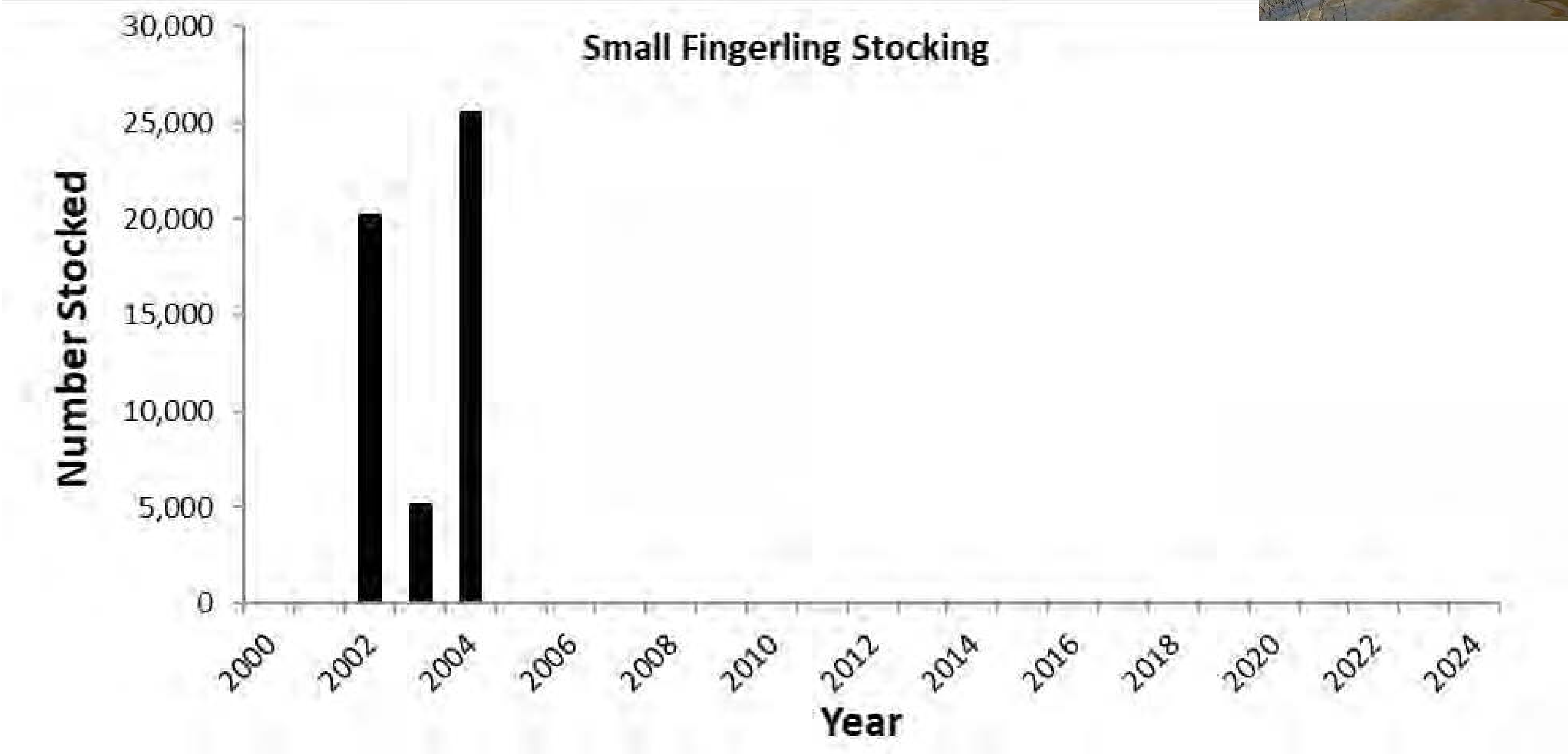
Keyes - Recruitment



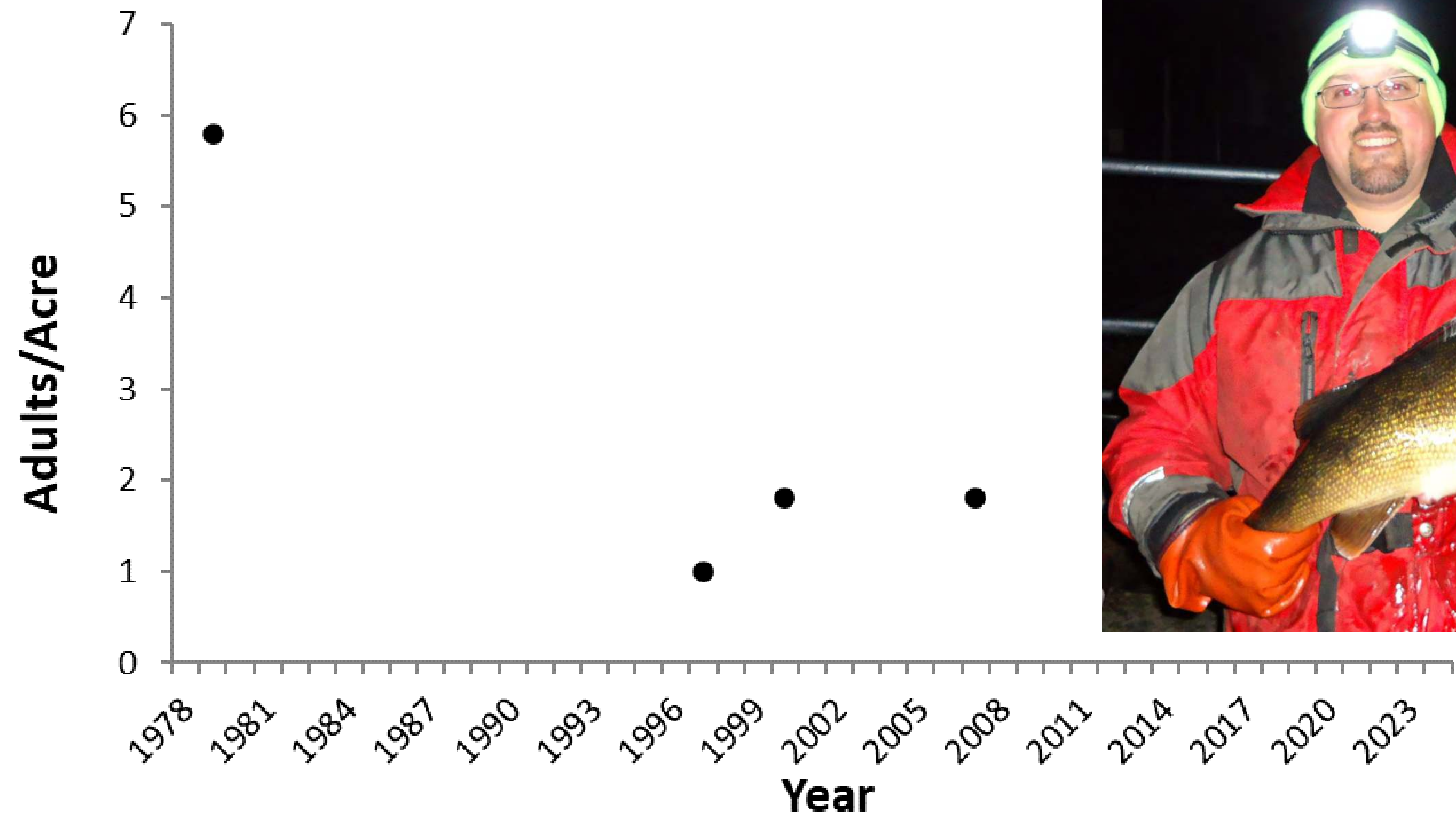
Keyes - Adult Abundance



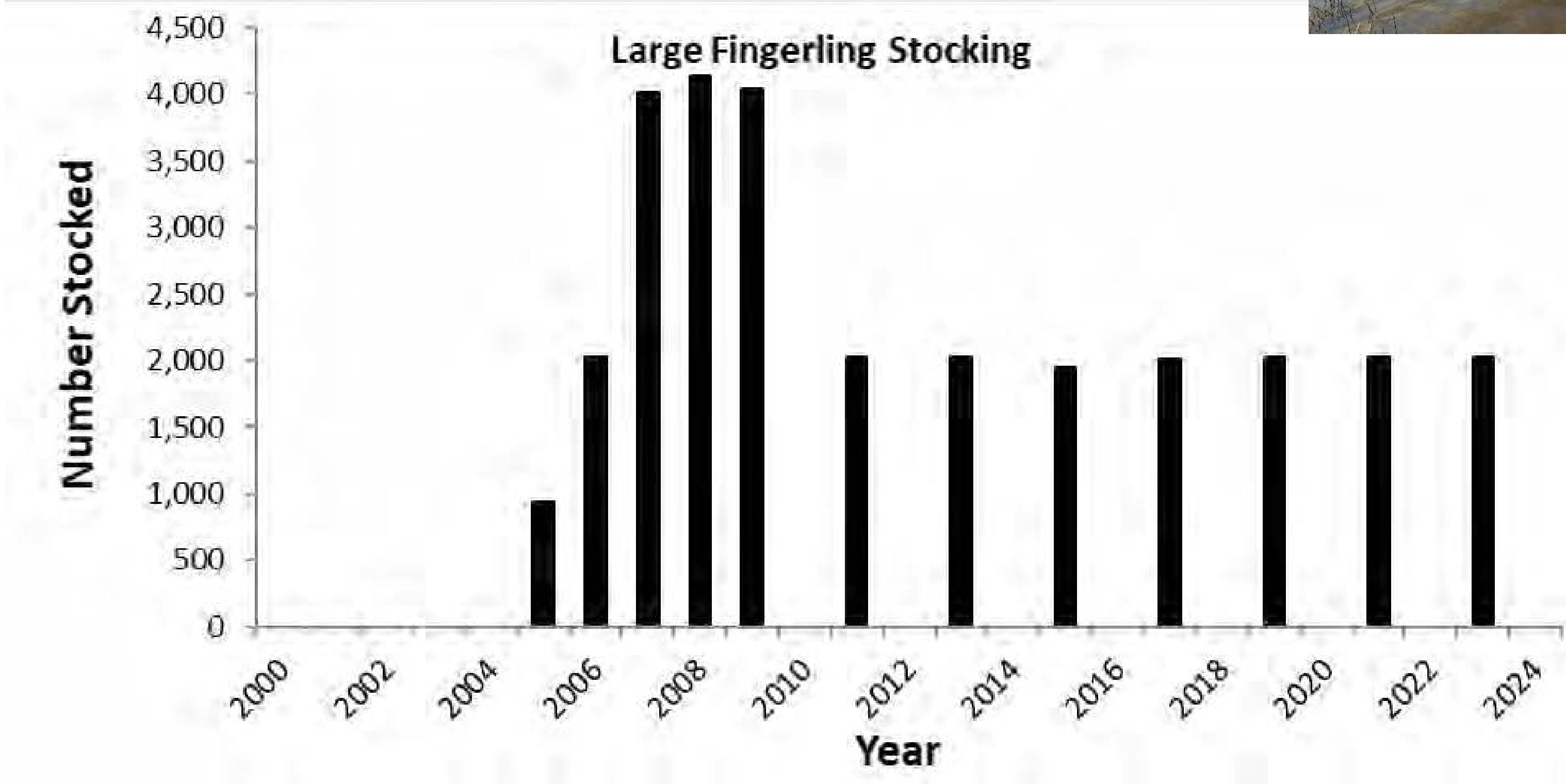
Keyes - Stocking



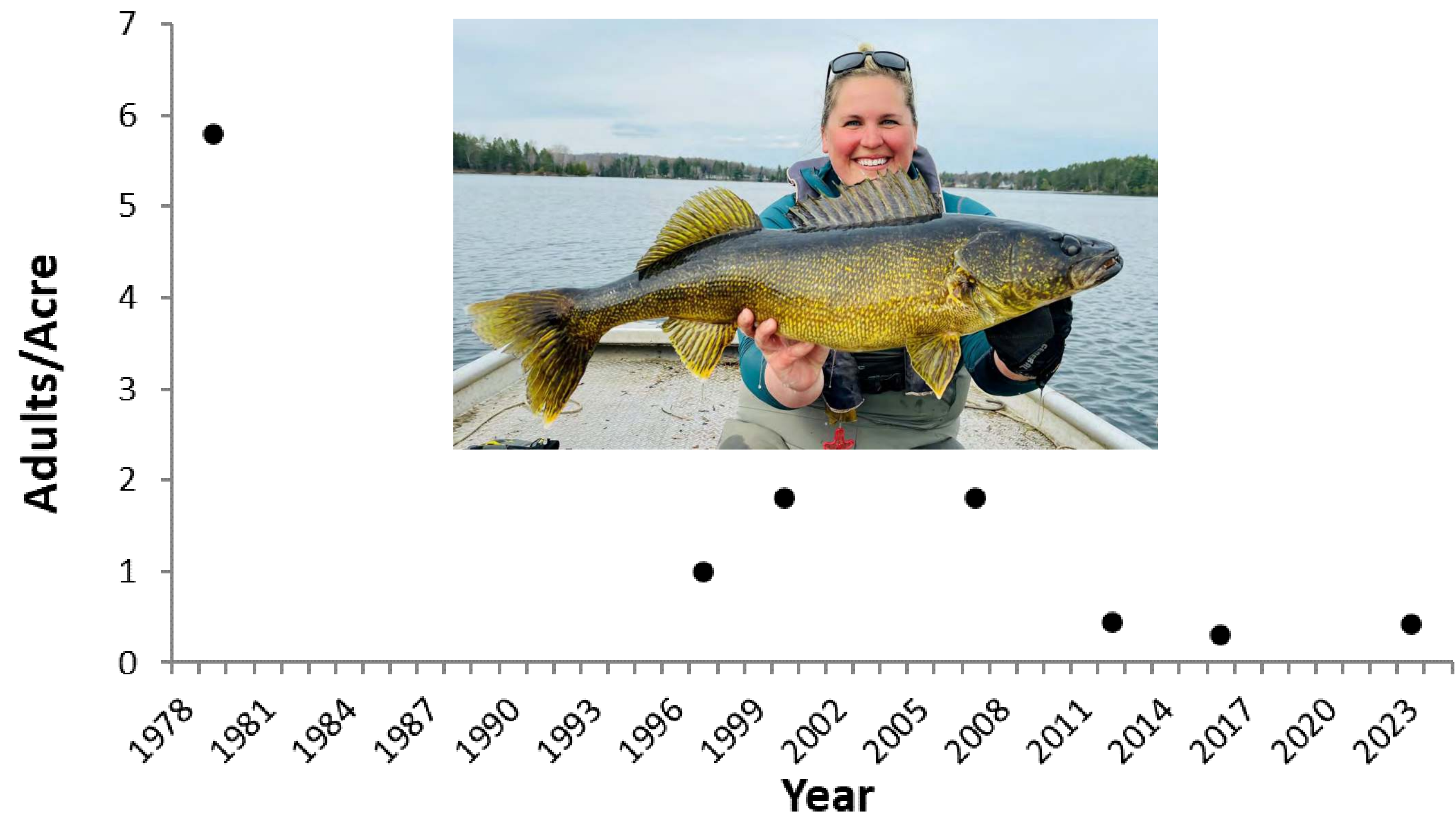
Keyes - Adult Abundance



Keyes - Stocking



Keyes - Adult Abundance

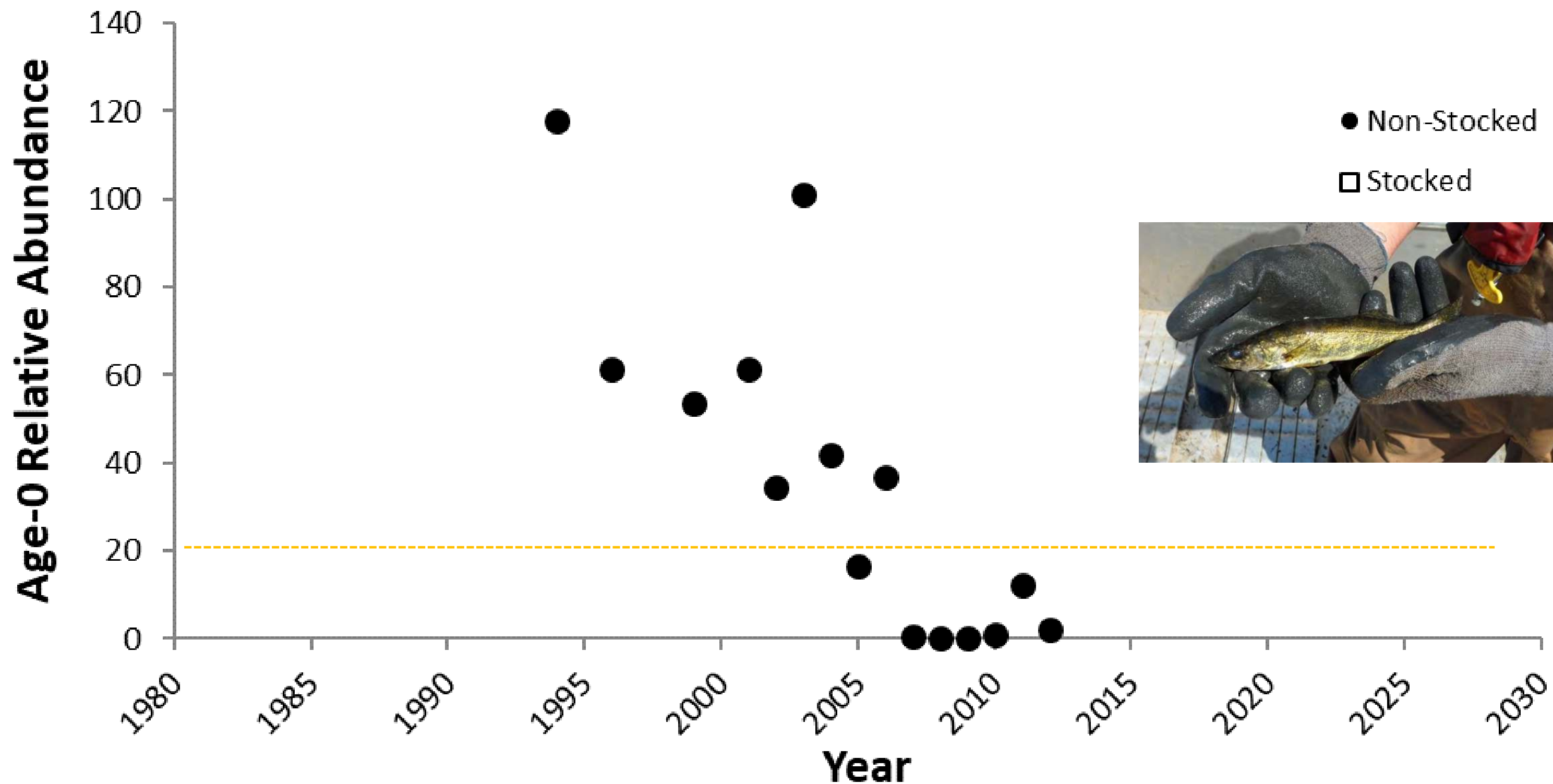


Jungle Lake

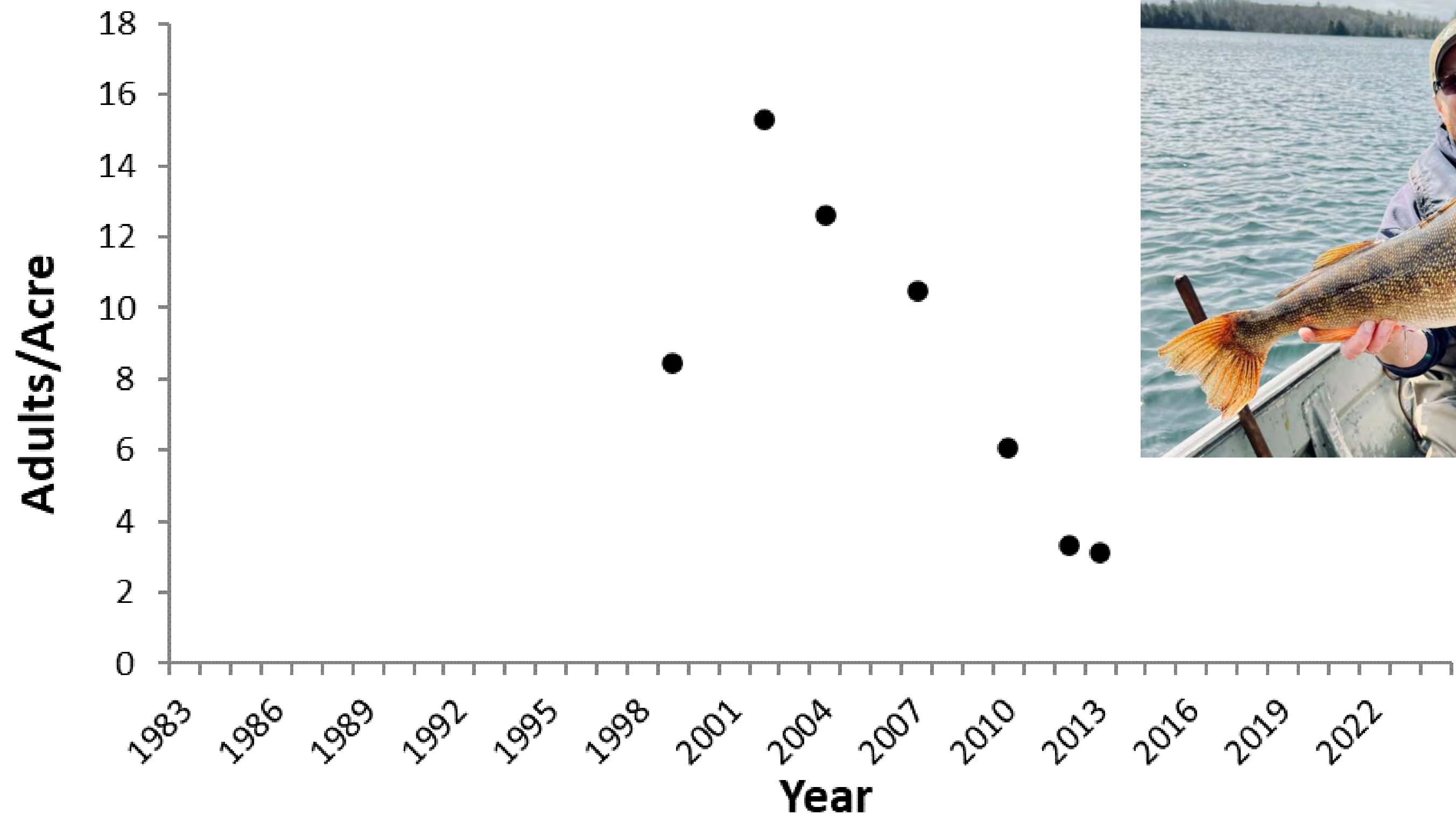
- 182-Acres
- First Stocking = 1970
- Stocked 3 more times
 - 1982-1993
- Walleye Took Off!



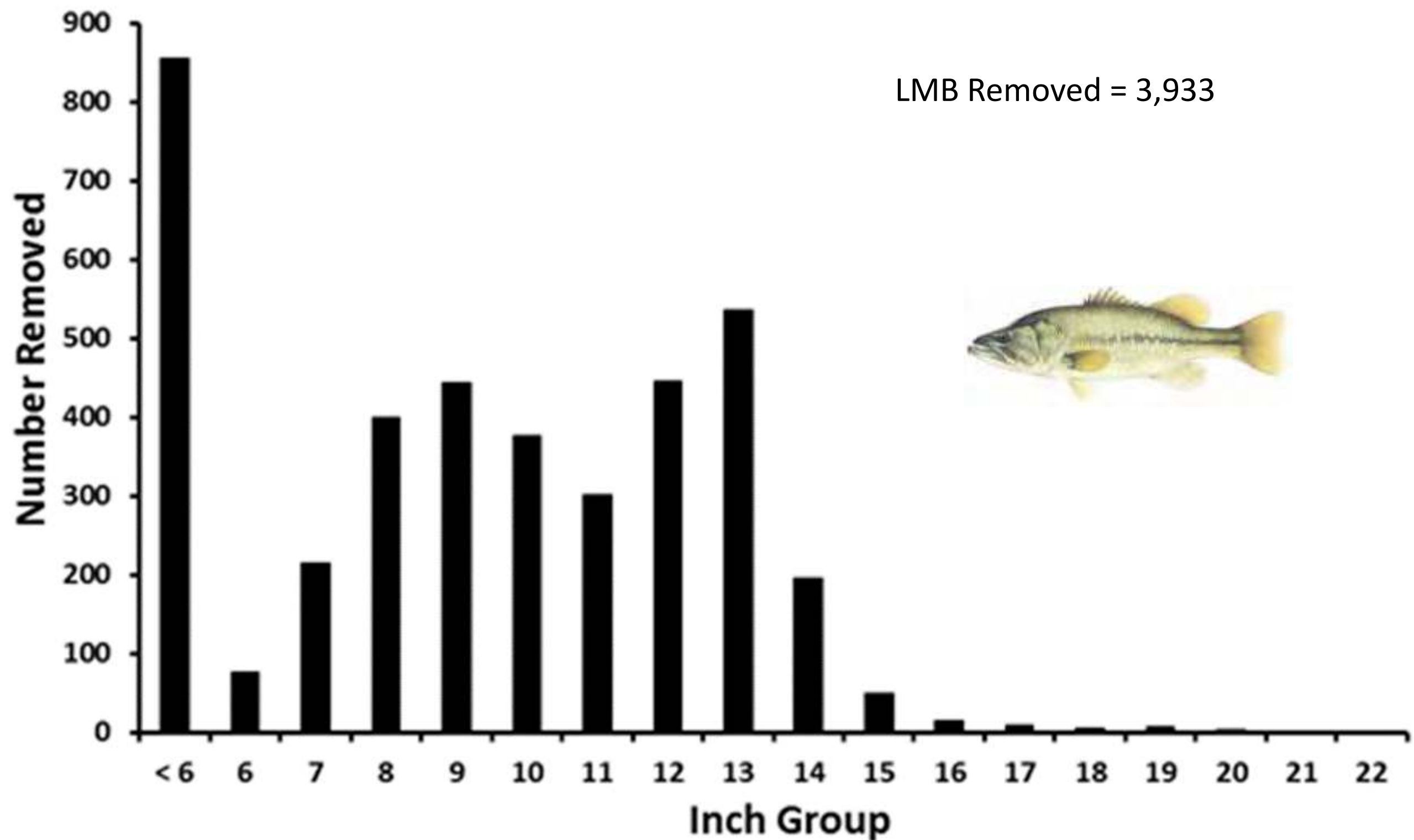
Jungle - Recruitment



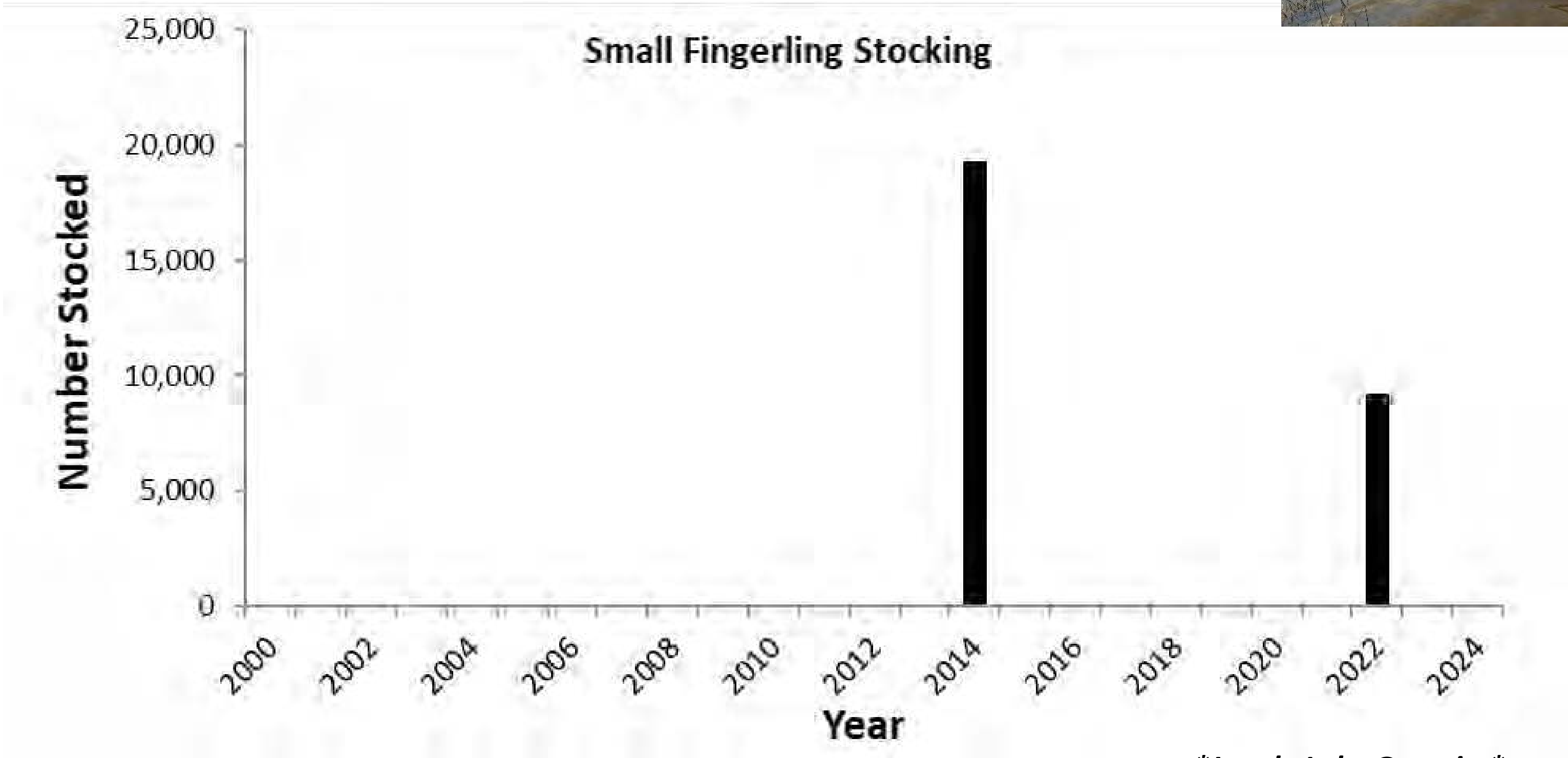
Jungle - Adult Abundance



Jungle - Biomanipulation (2013)

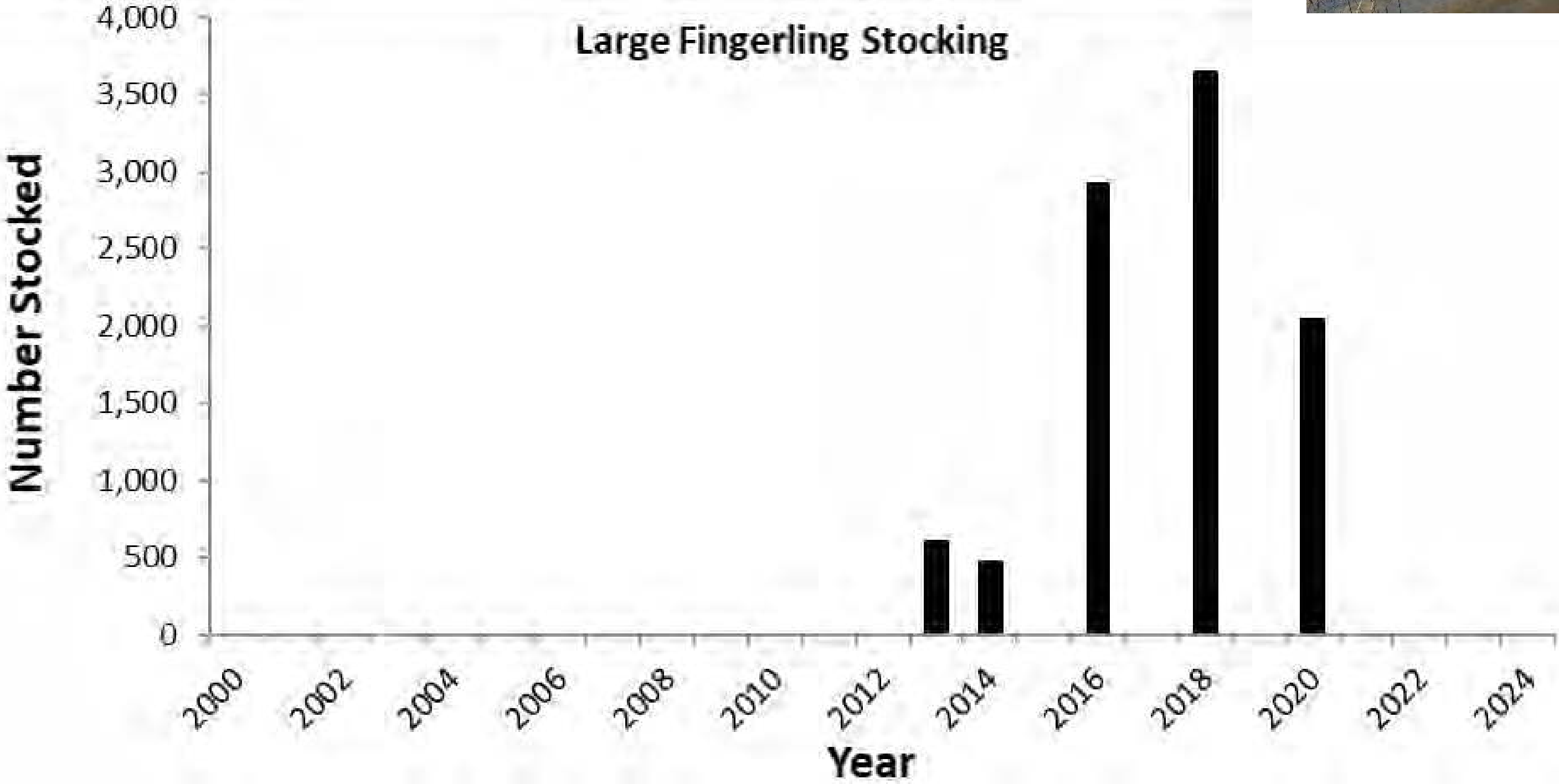


Jungle - Stocking



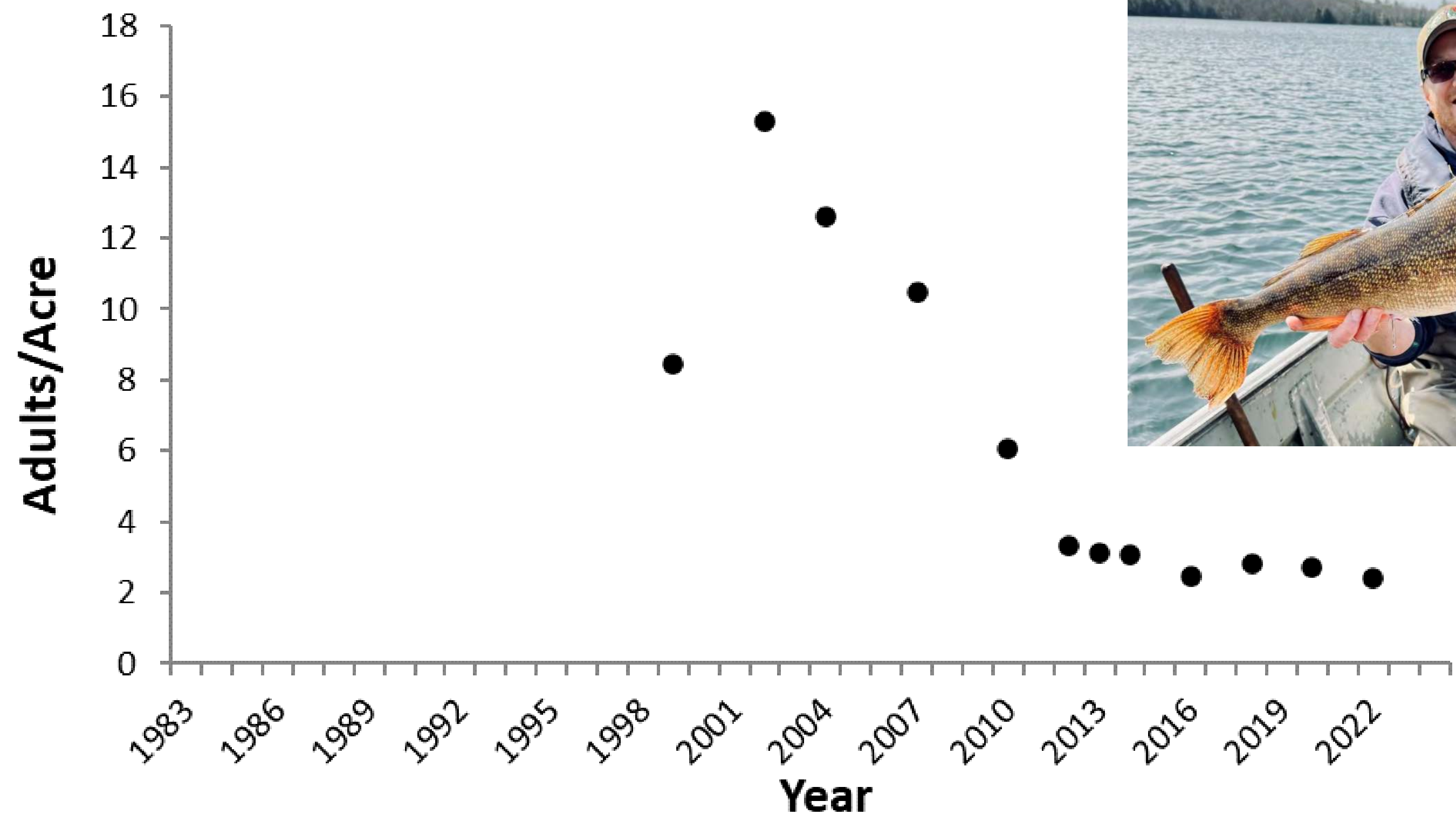
Jungle Lake Genetics

Jungle - Stocking

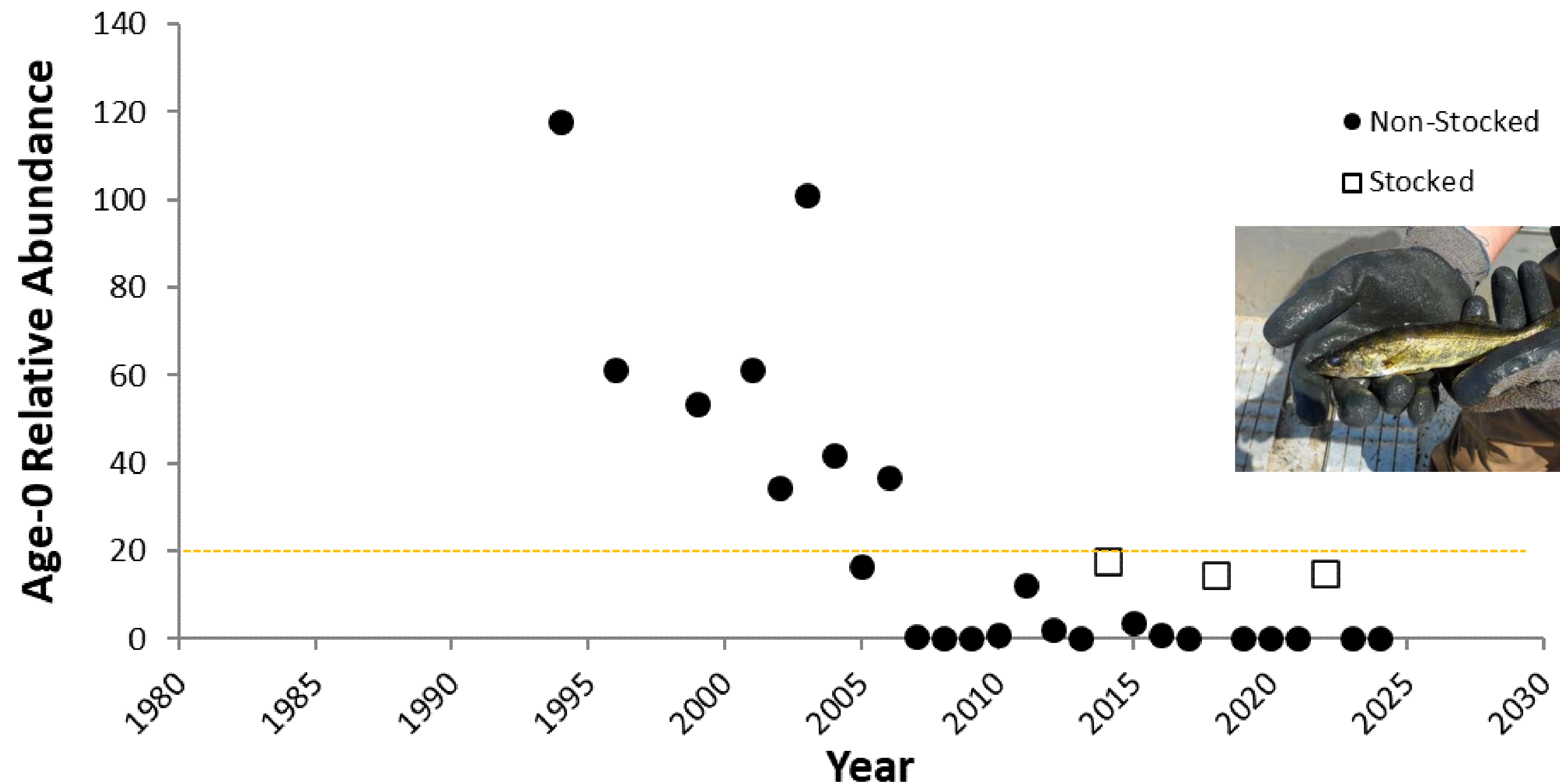


Jungle Lake Genetics

Jungle - Adult Abundance (Post)



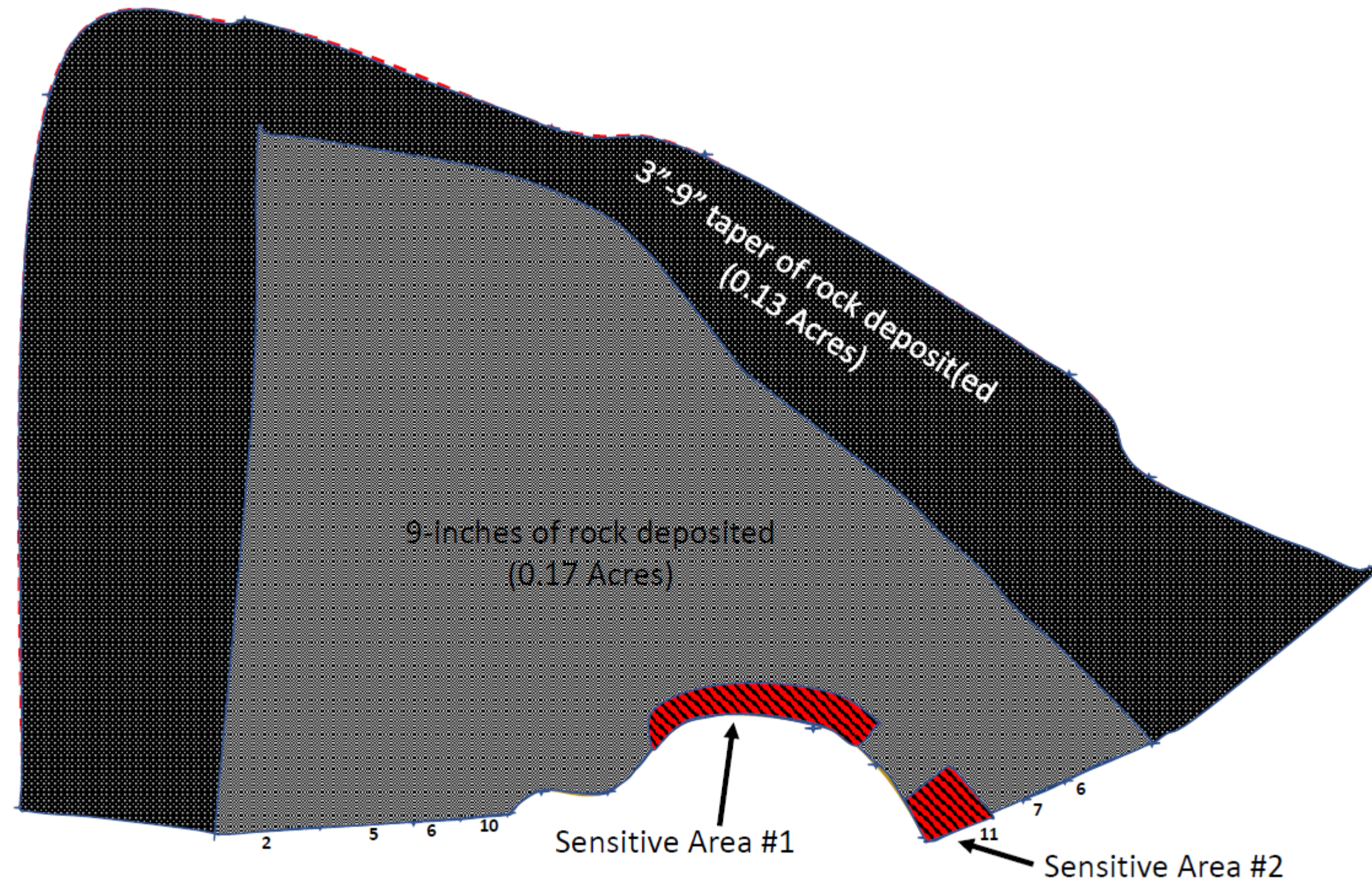
Jungle - Recruitment (Post)



Jungle - Next Step



Jungle - Next Step

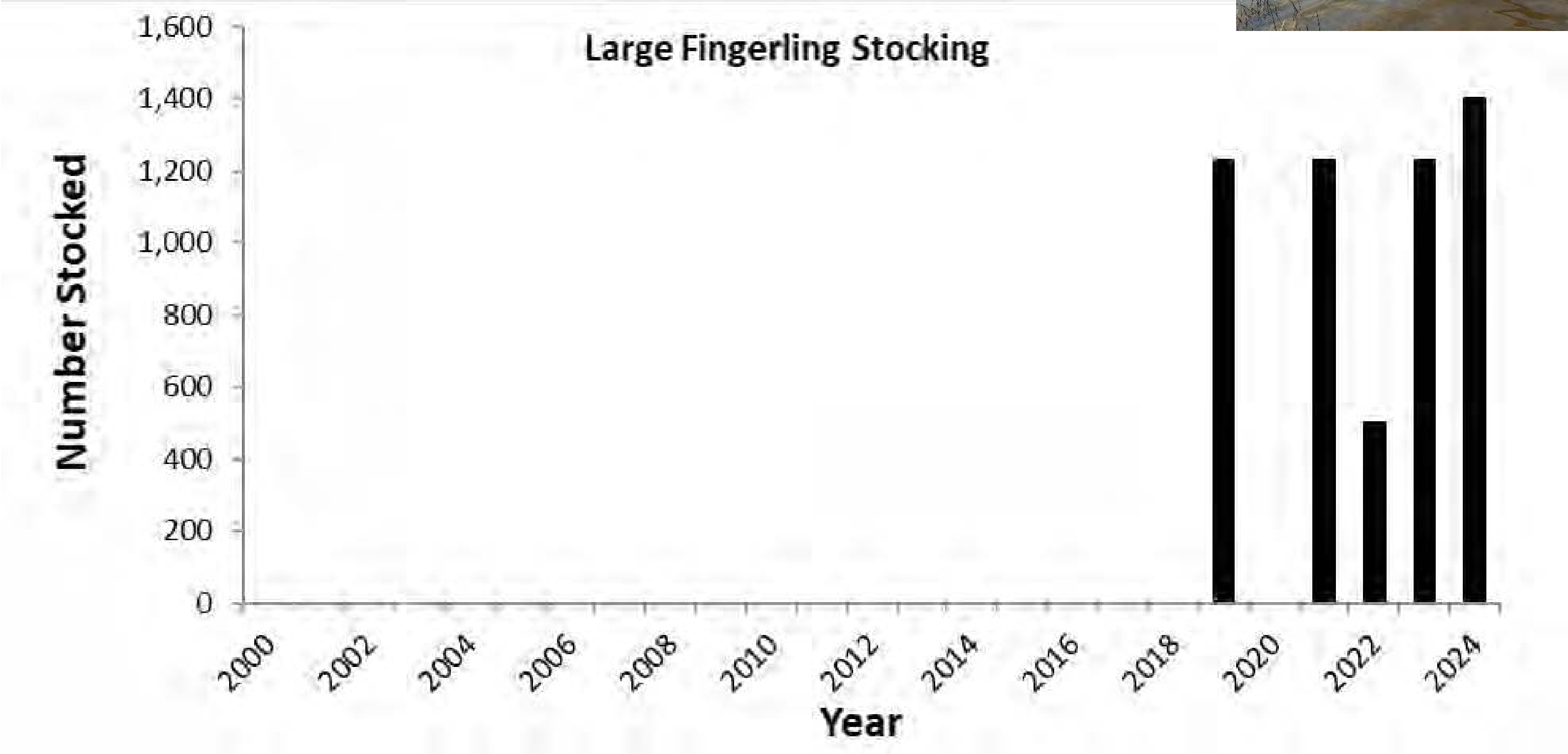


Pine River Flowage

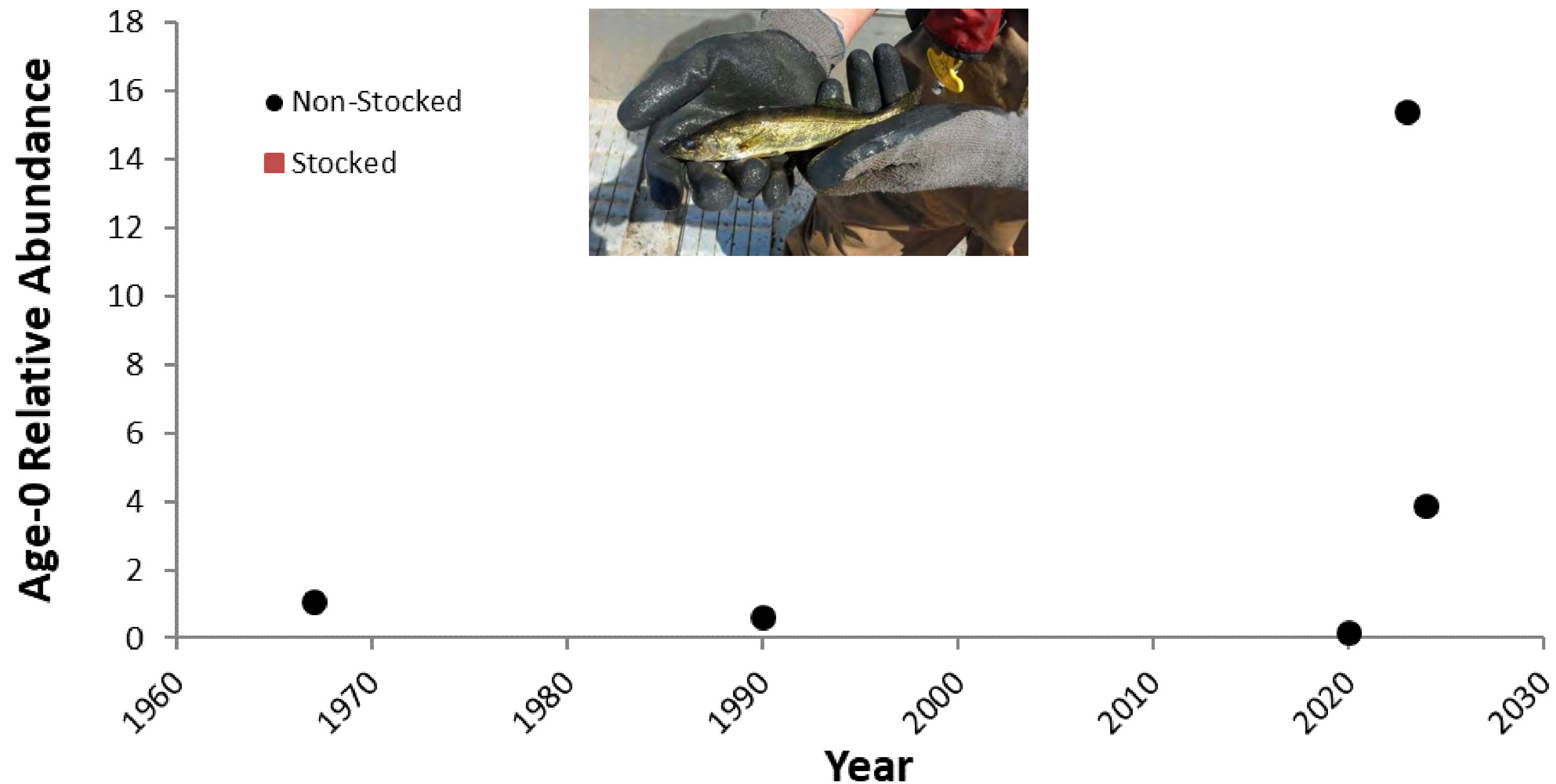
- 145-Acres
- Introduced 1945
 - Stocked in 1950
- Very Little Mgmt History
 - 1990 – Mod. Abundance
 - 2016 – Low Abundance
- Re-Started Stocking 2019



PRF - Stocking



PRF - Recruitment

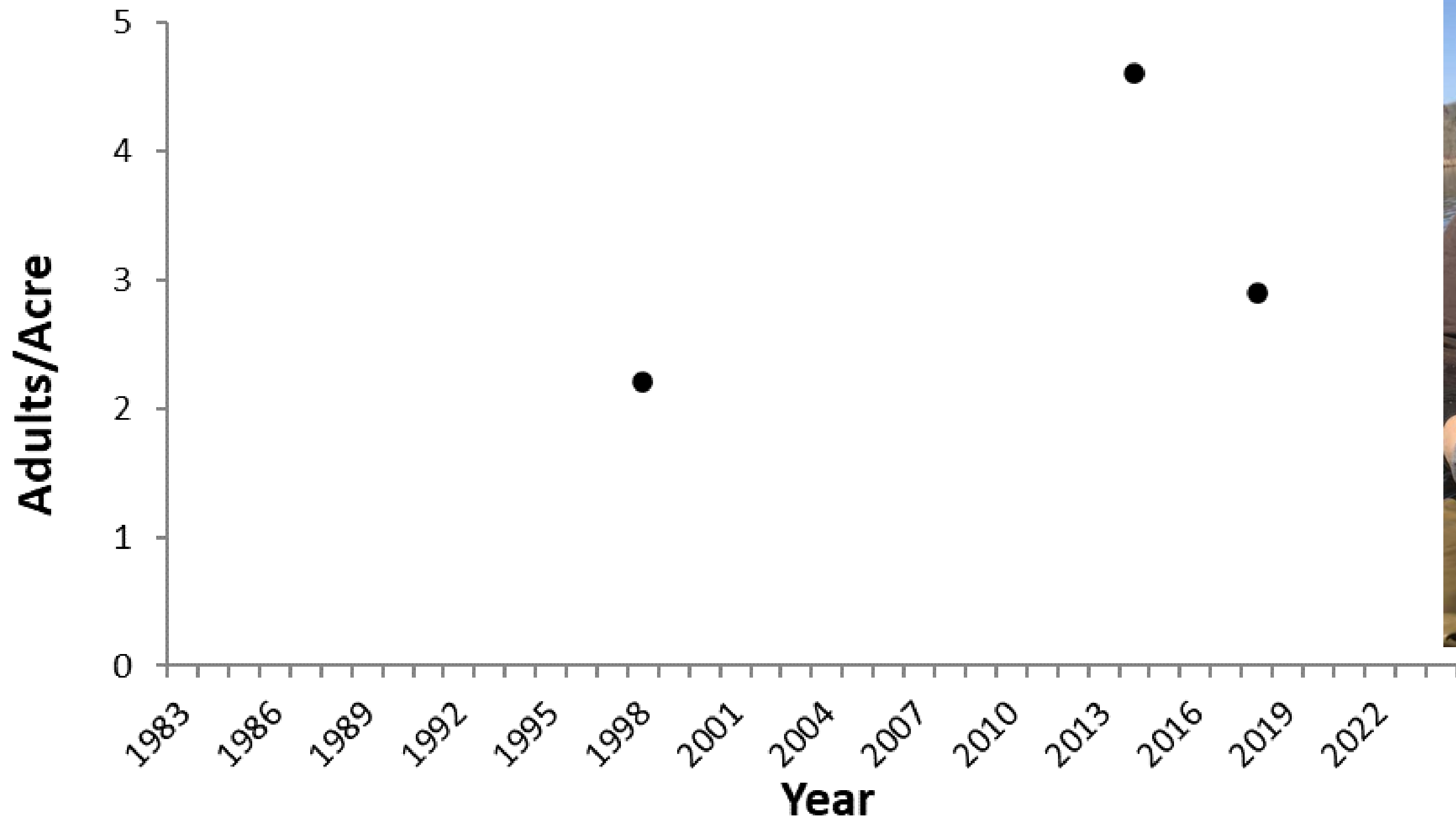


Rangeline Lake

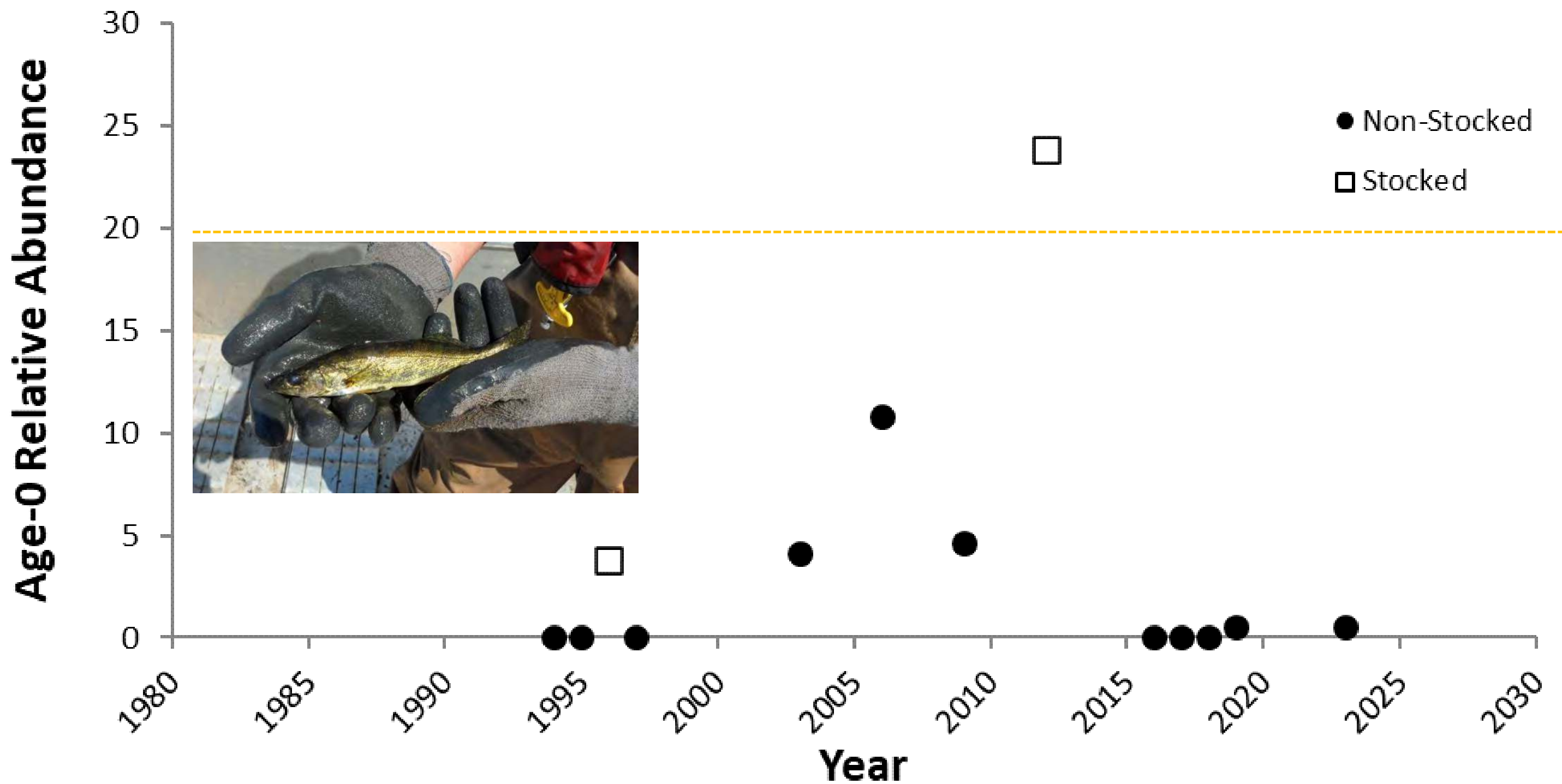
- 82-Acres
- Introduced 1937
- Regular Stocking Since 1954
- Active Mgmt
 - Routinely Surveyed
 - Few PE's
- Low NR



Rangeline Adult Abundance

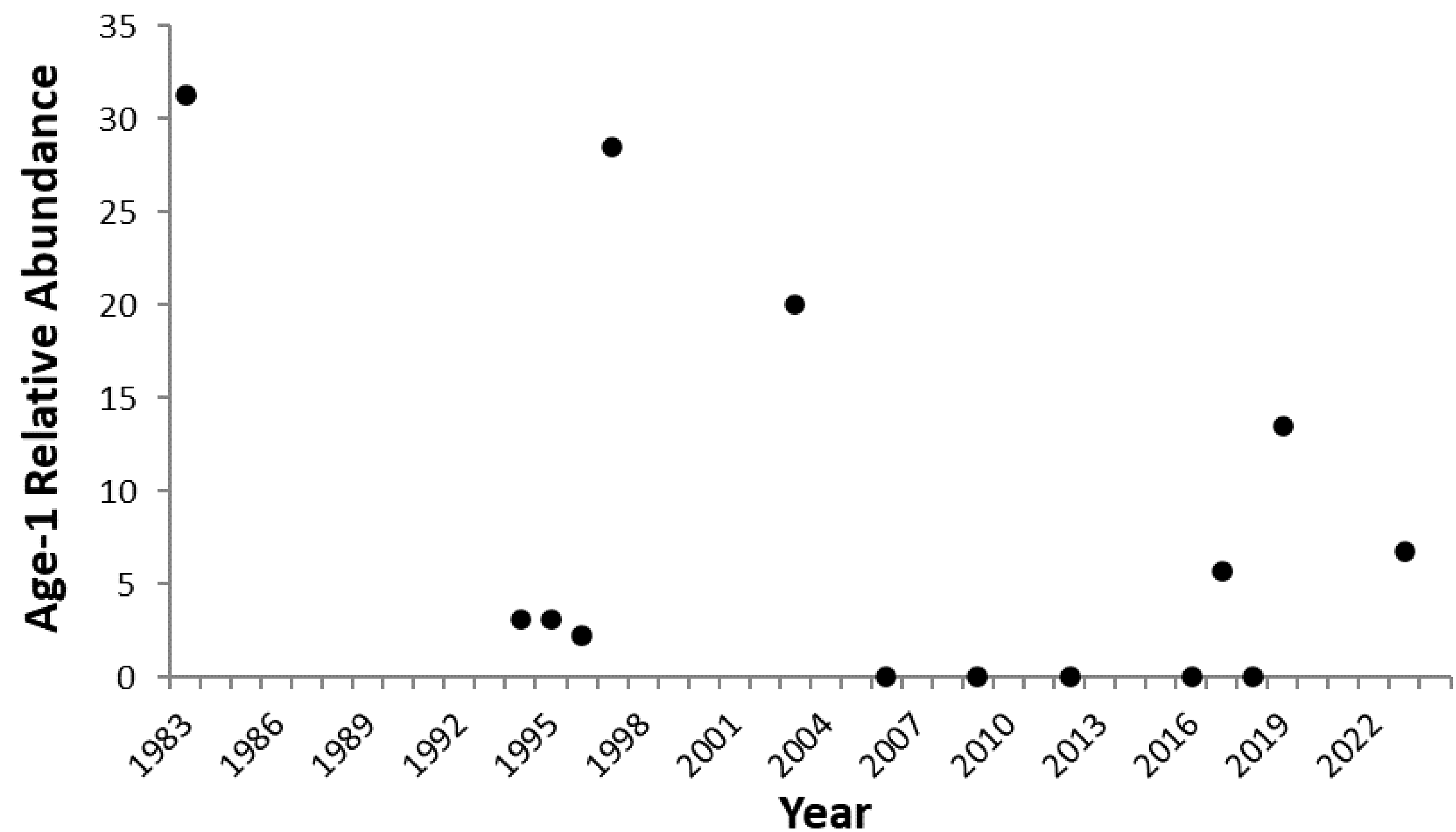


Rangeline - Recruitment



Most Surveys Occur During Non-Stocked Years

Rangeline - Recruitment (Age-1)



Most Surveys Occur During Non-Stocked Years

No Natural Reproduction

Cosgrove

Silver

Pine

Emily

Pickerel

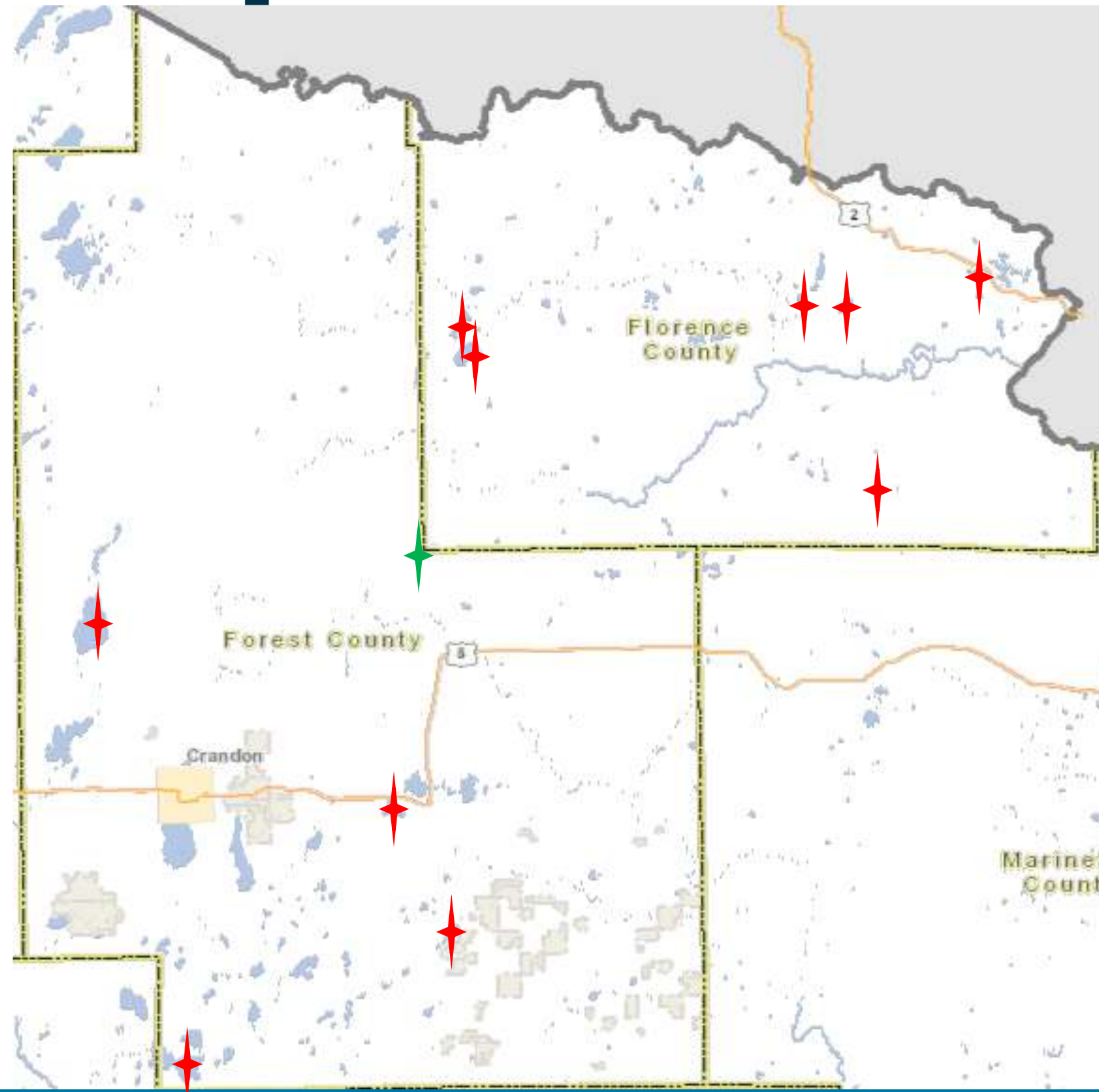
Trump

Halsey

Fay

Sand

Sea Lion



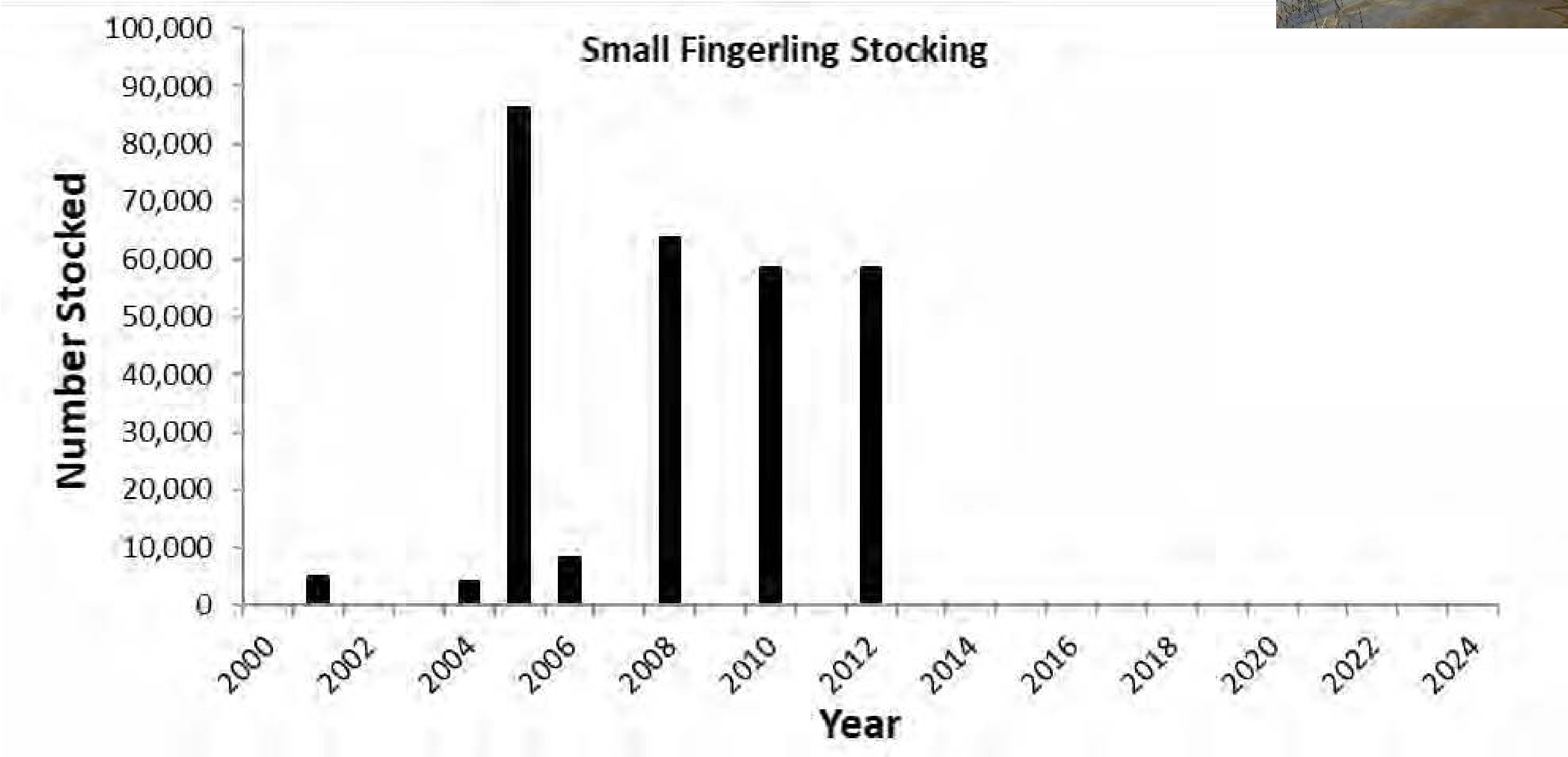
Stocked
(10)

Pine Lake

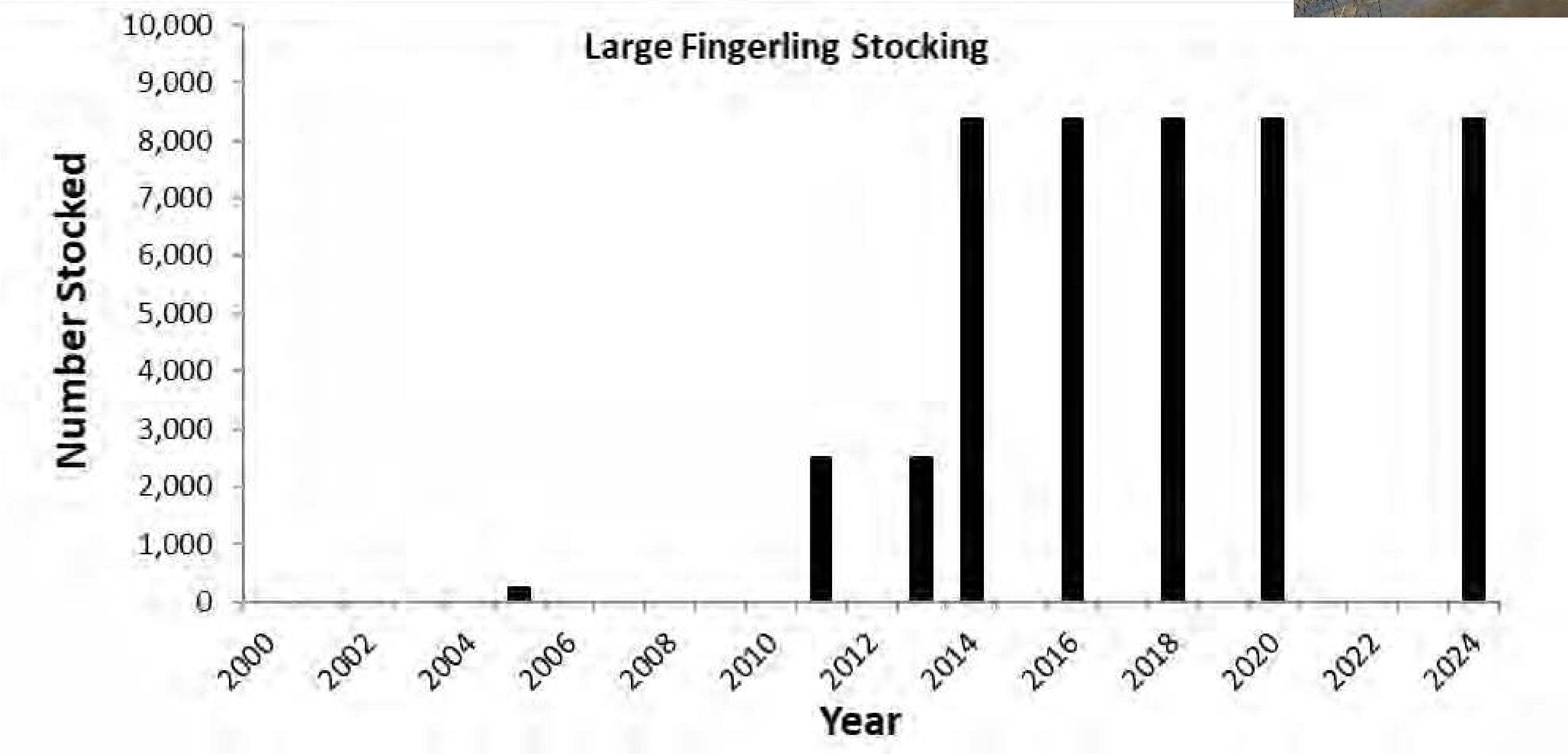
- 1,670-Acres
- Shallow/Vegetated
- Introduced 1937
- Stocked regularly
 - Sm Fgl: 1937 – 2012
 - Lg Fgl: 2014 - Present



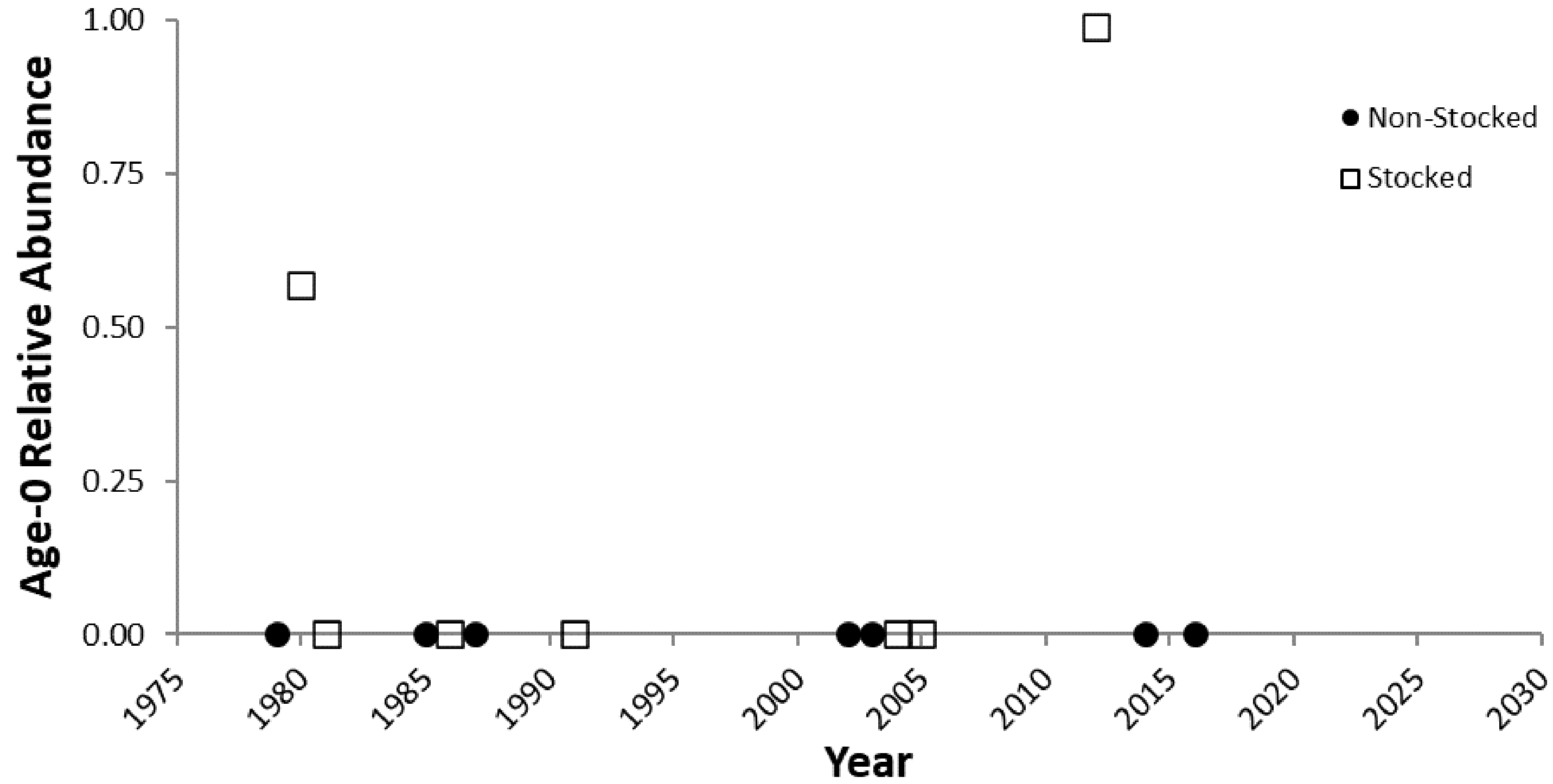
Pine - Stocking



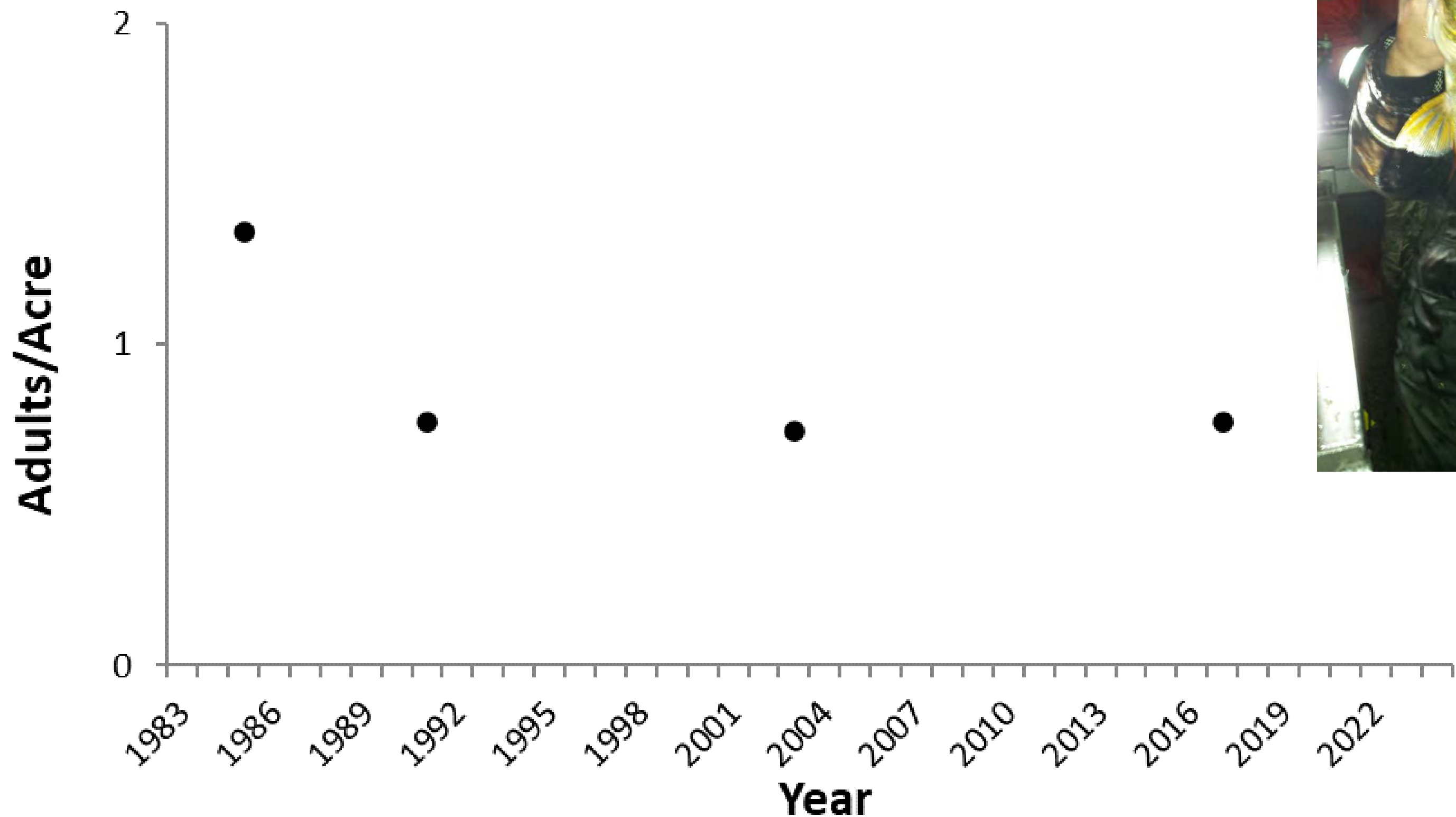
Pine - Stocking



Pine - Recruitment



Pine - Adult Abundance

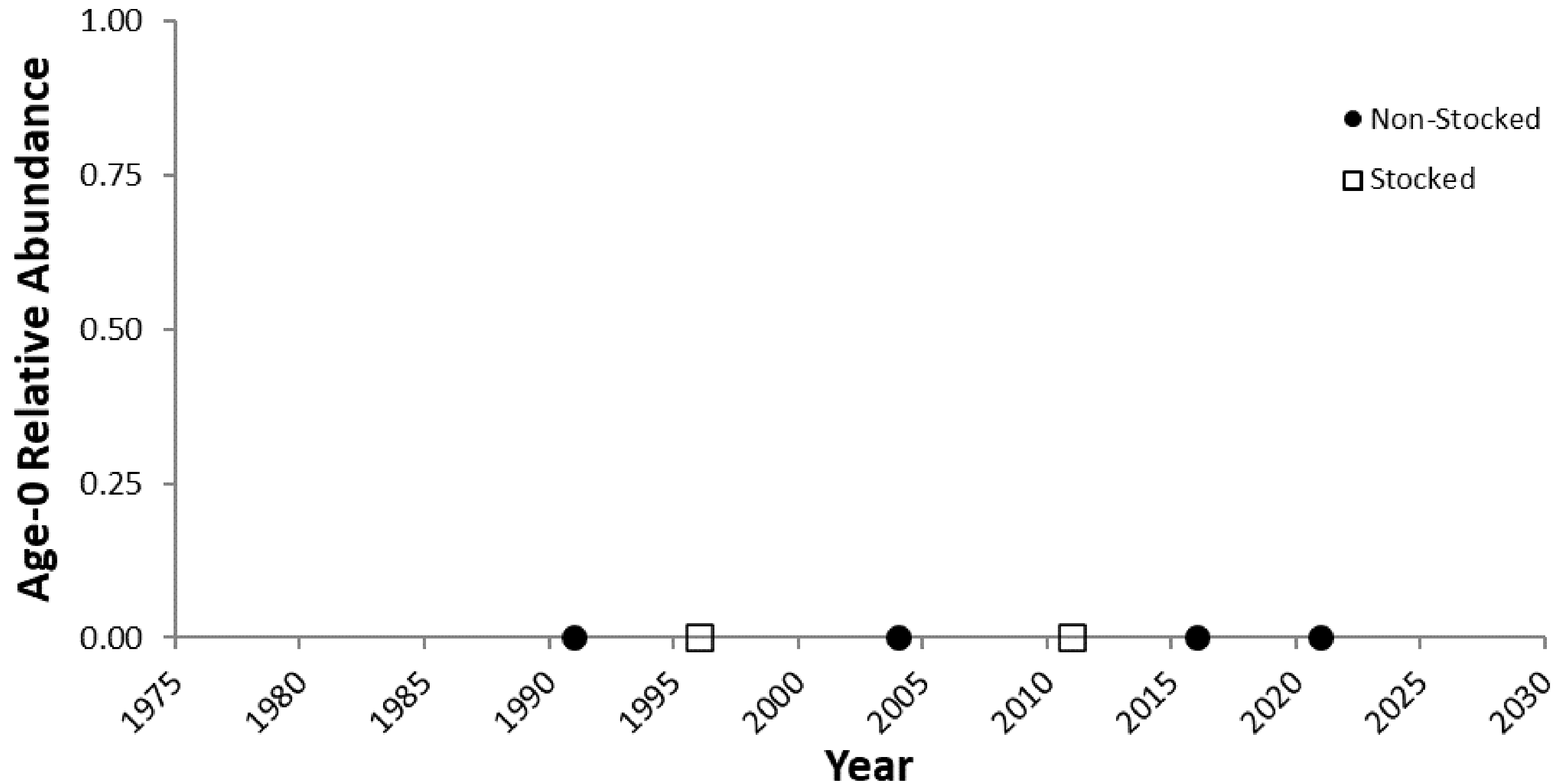


Pickereel Lake

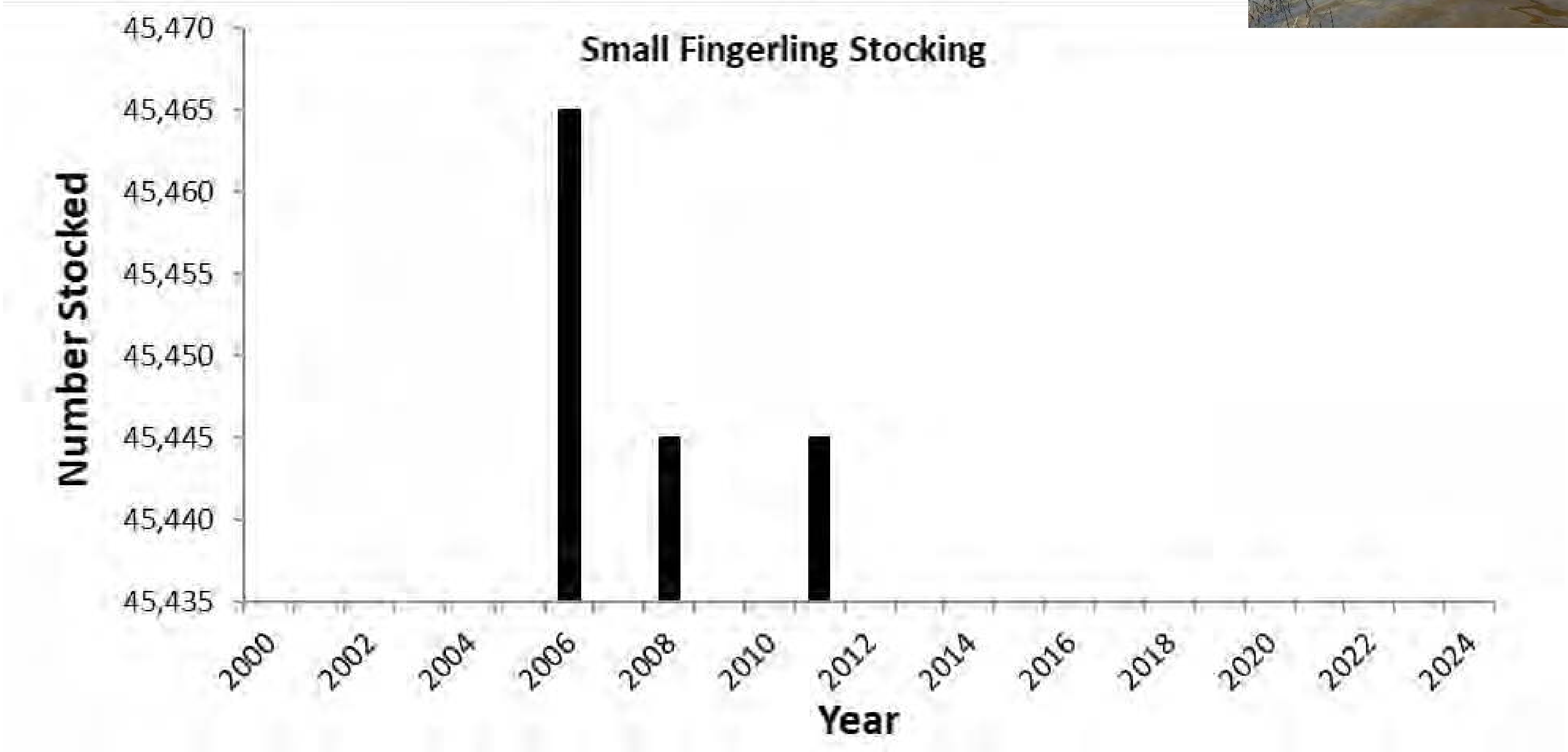
- 1,299-Acres
- Shallow/Vegetated
- Introduced 1937
- Lightly Surveyed
- Historically good WE Lake
 - Very low since 1986
- Stocked irregularly
 - 1937-1958
 - 1965-1977
 - 1995-1996
 - 2006-Present



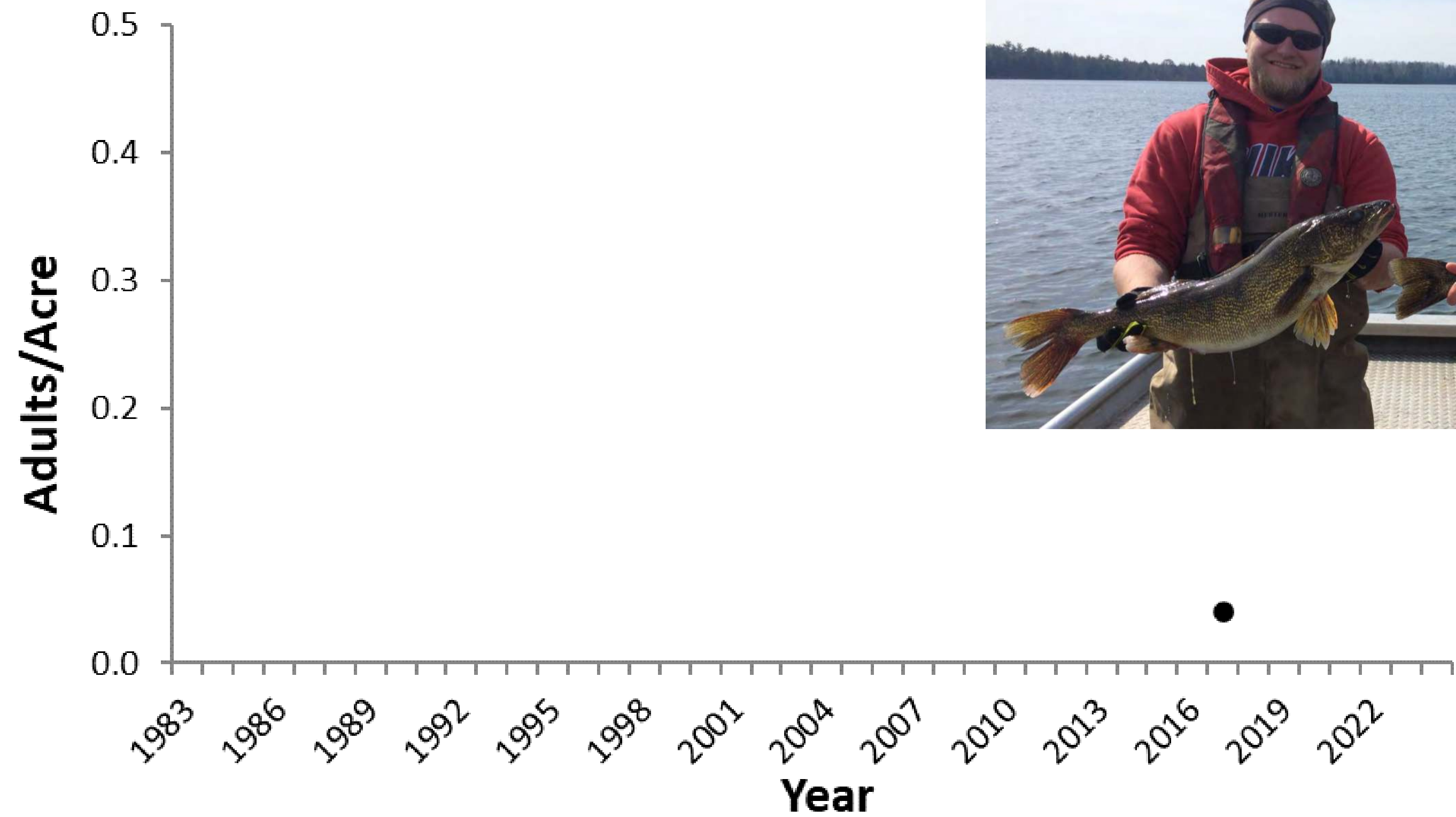
Pickereel - Recruitment



Pickereel - Stocking



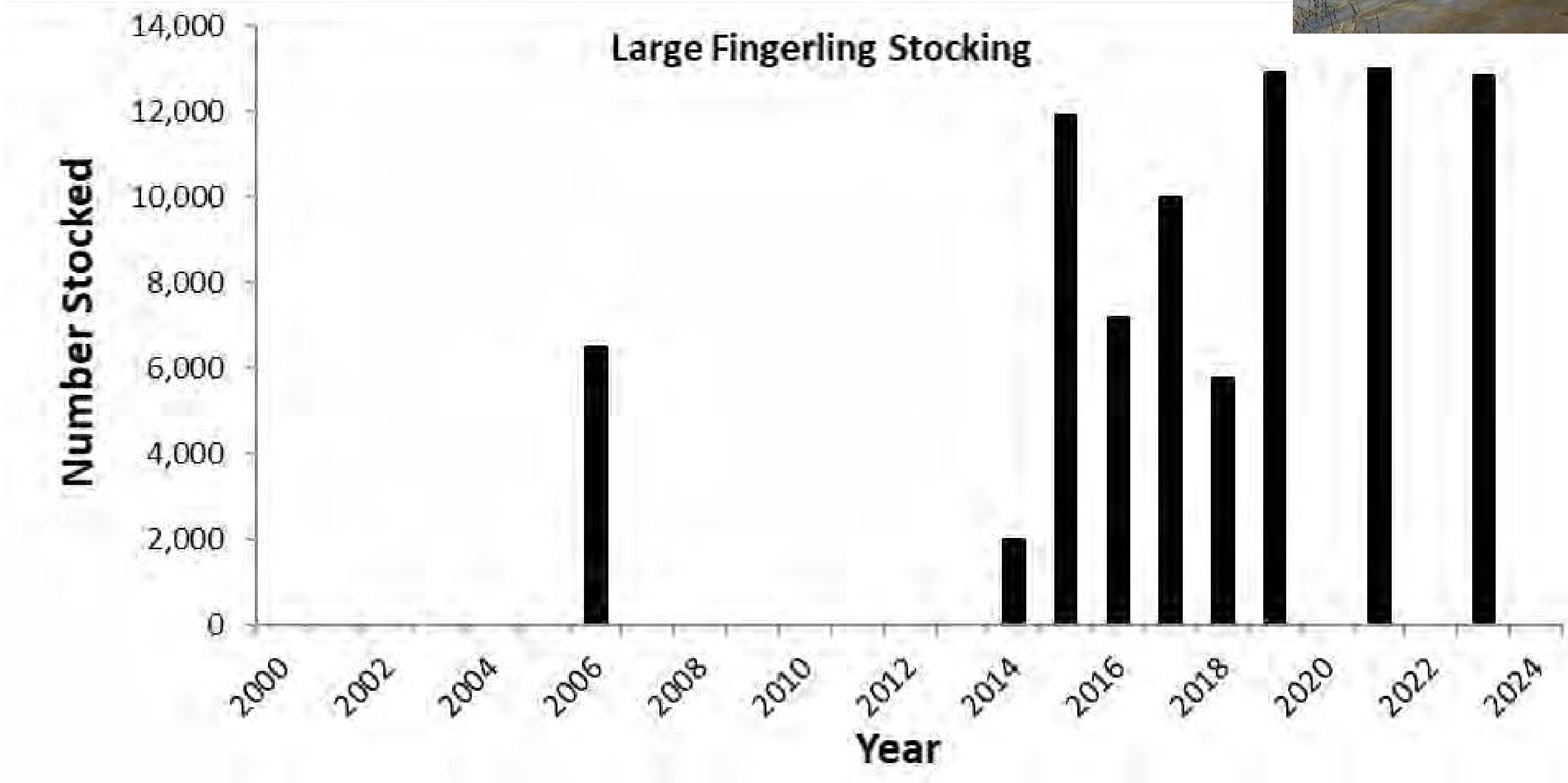
Pickereel - Adult Abundance



Pickereel - BH Removal (2014 & 2017)



Pickereel - Stocking

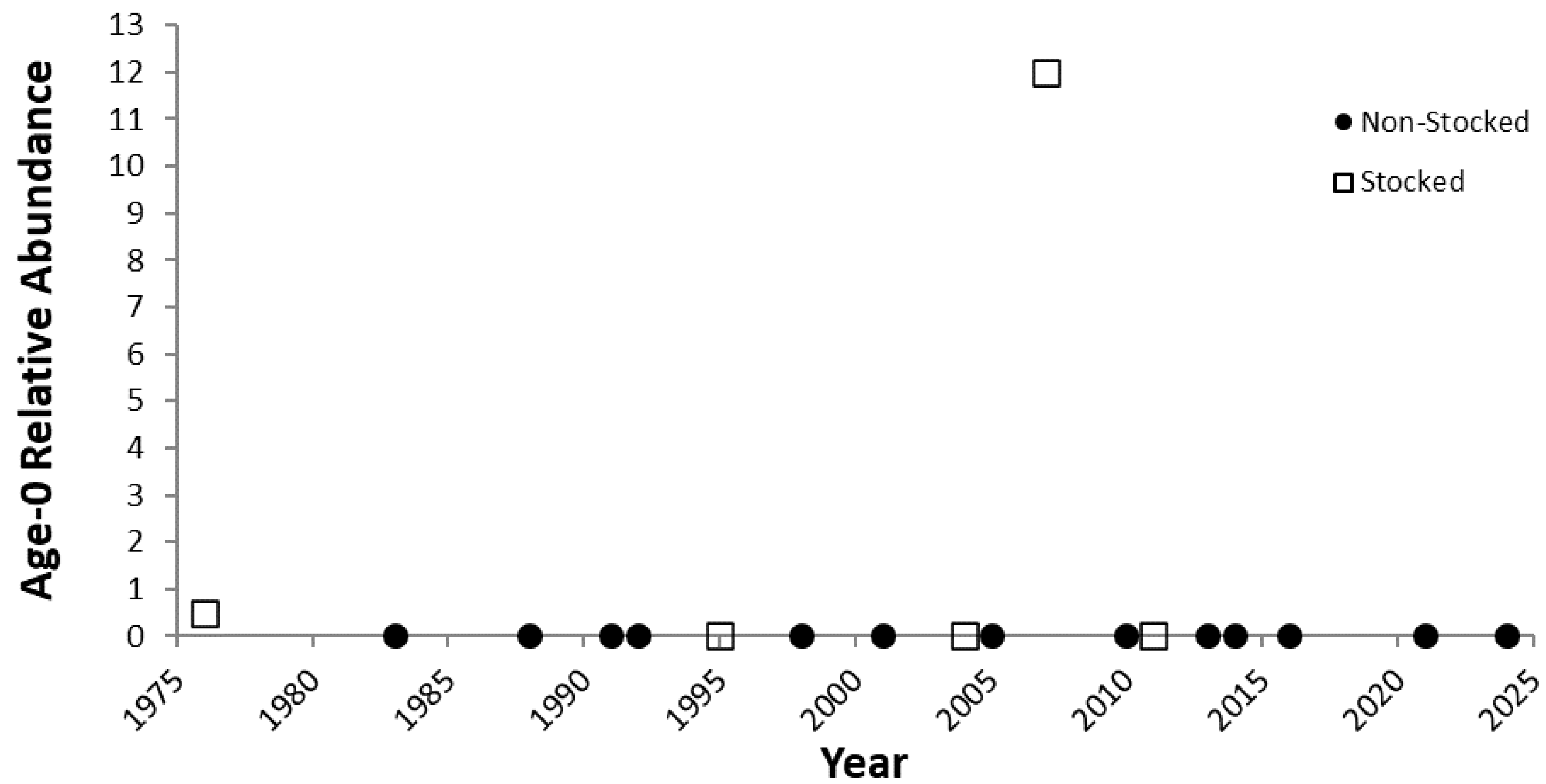


Halsey Lake

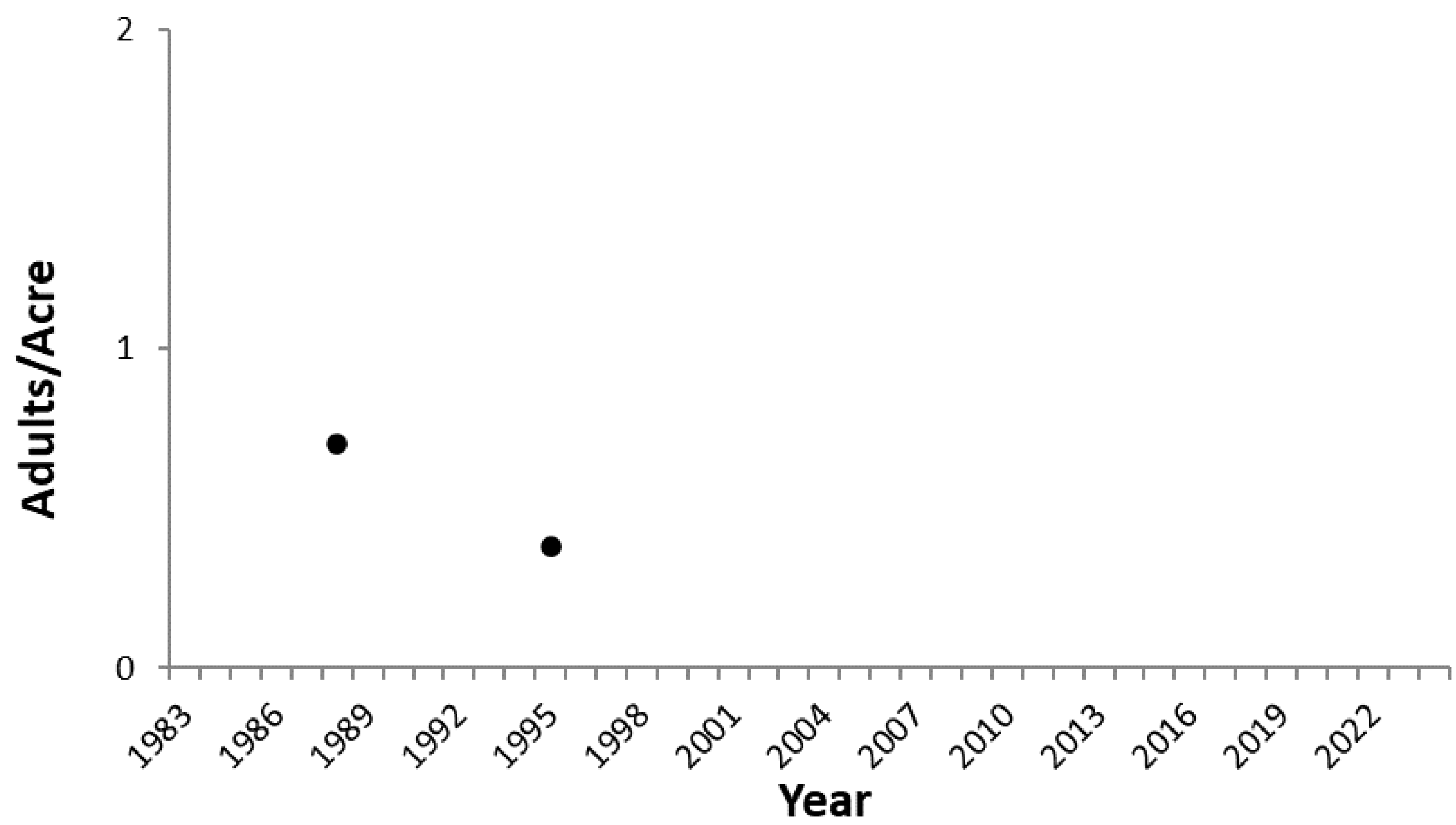
- 512-Acres
- Shallow
- Introduced 1952
- Stocked in:
 - 1950's
 - 1970's
 - 1990-Present



Halsey - Recruitment



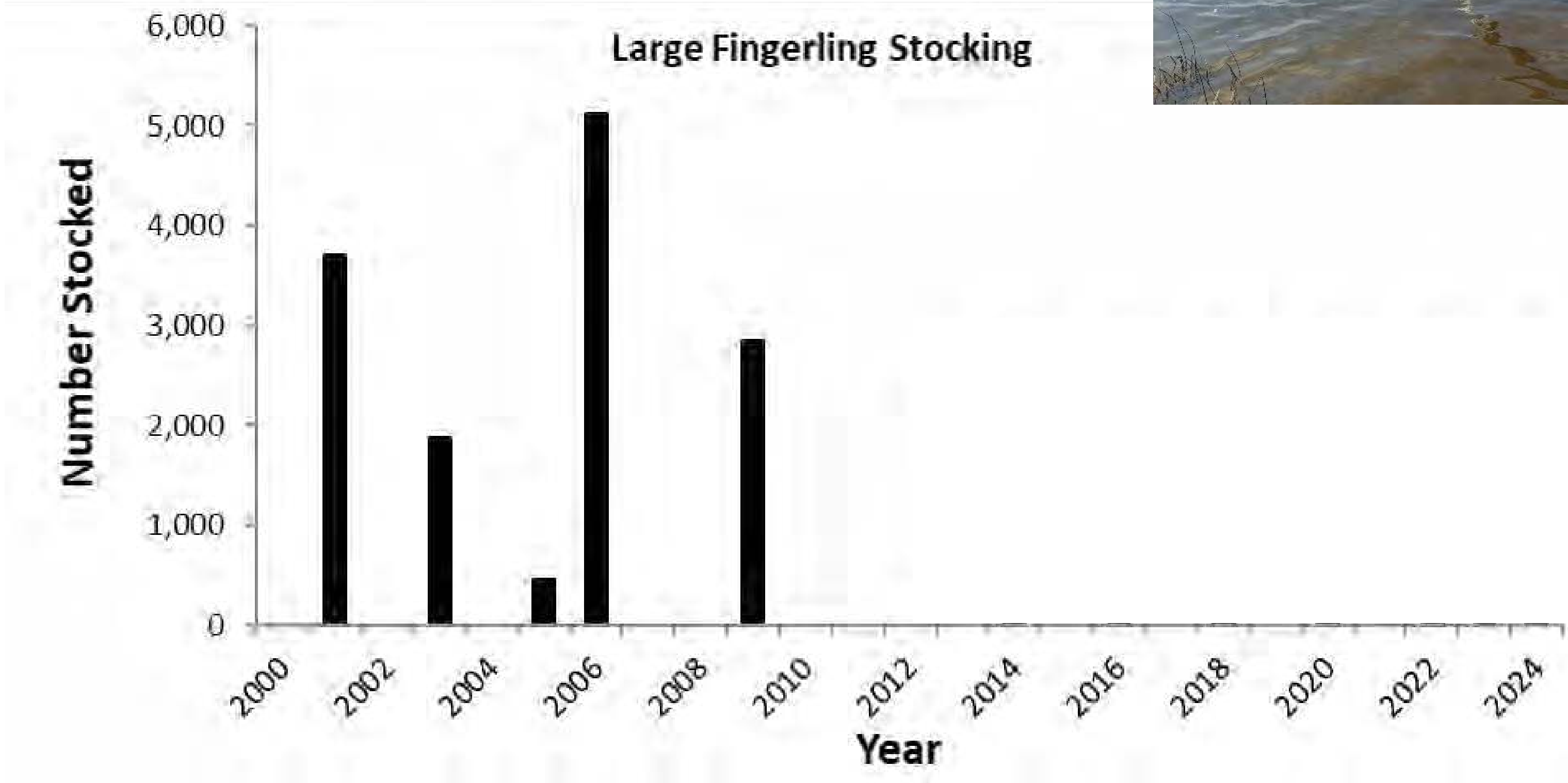
Halsey - Adult Abundance



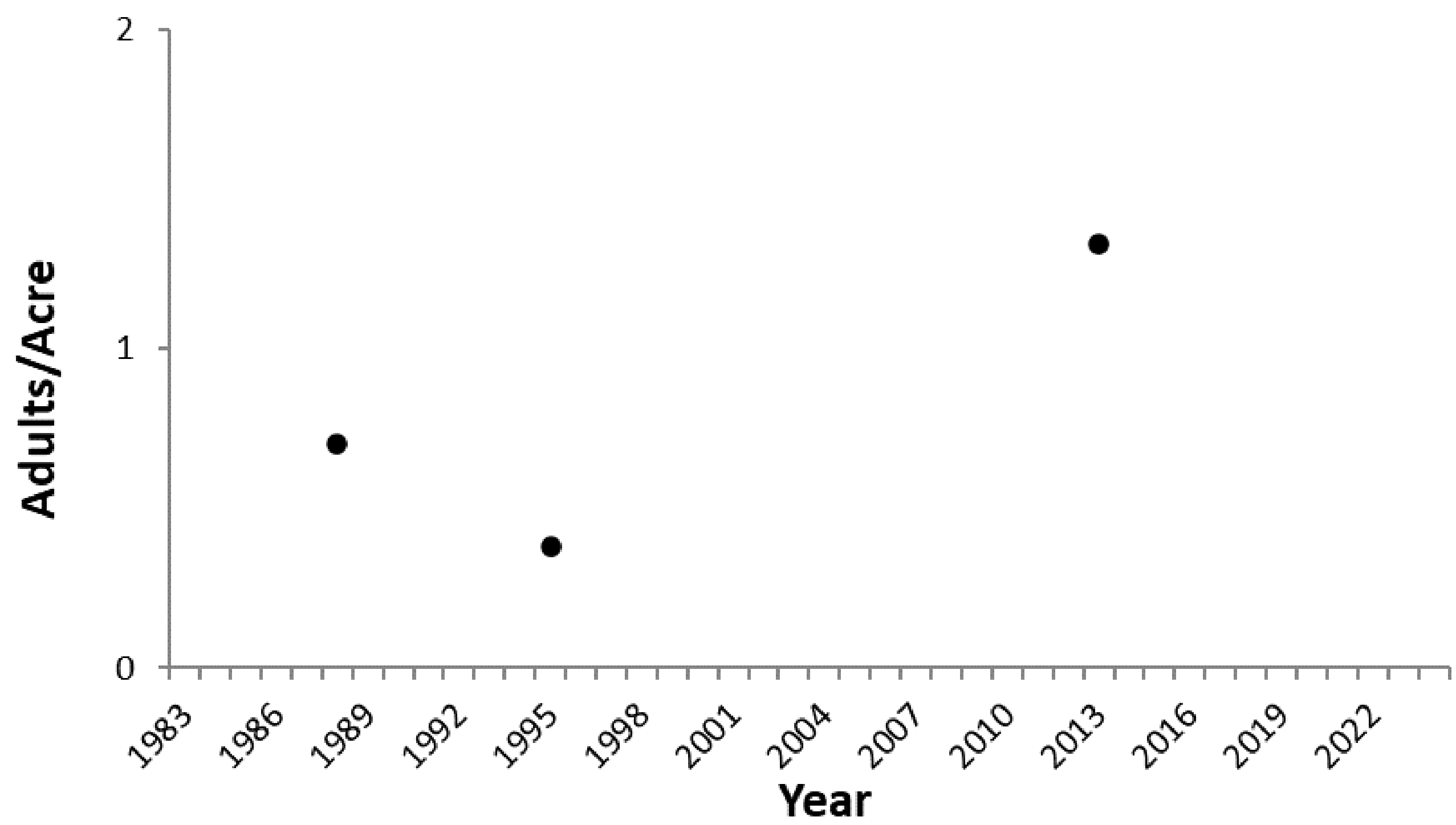
Halsey - Stocking



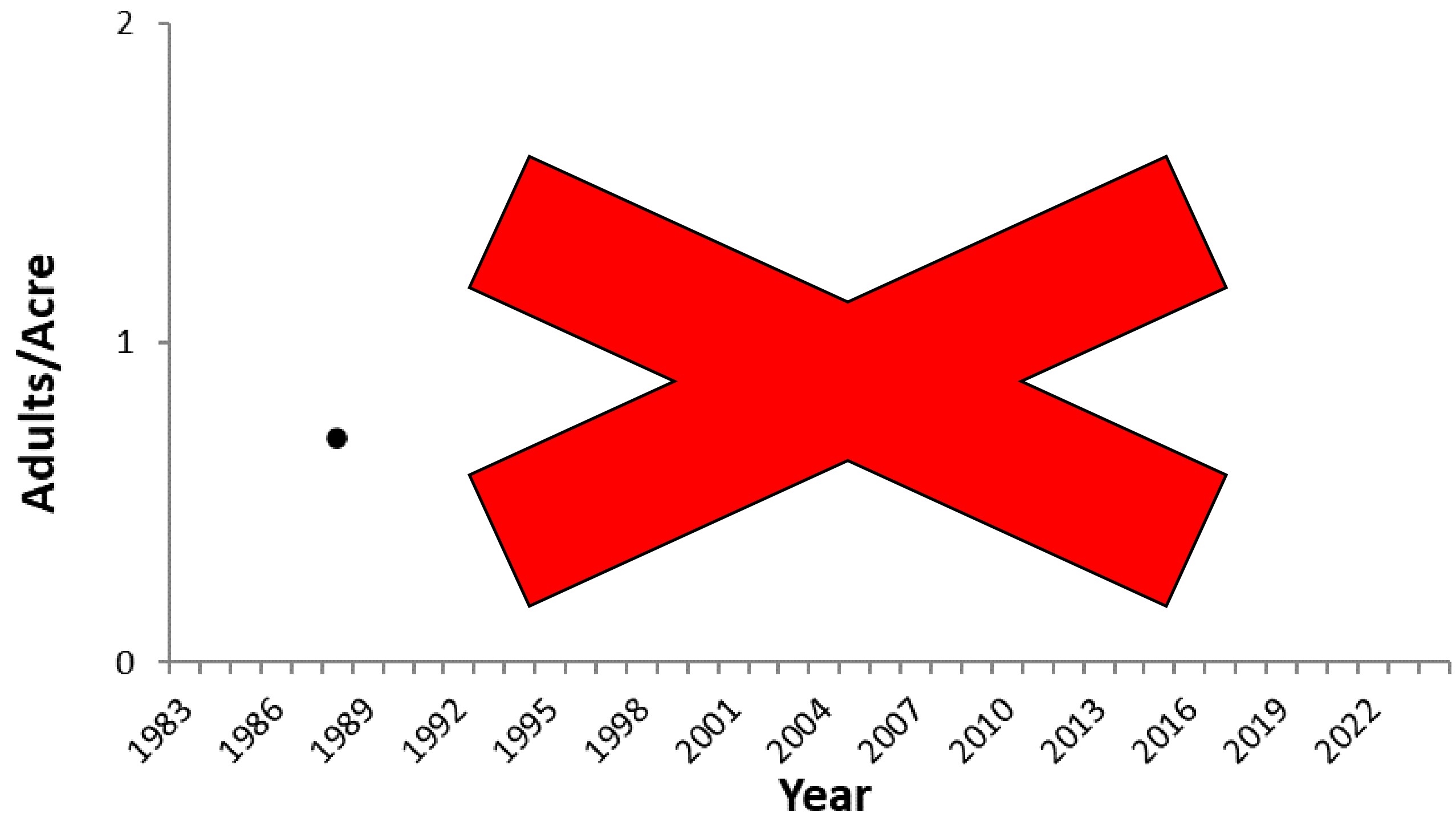
Halsey - Stocking



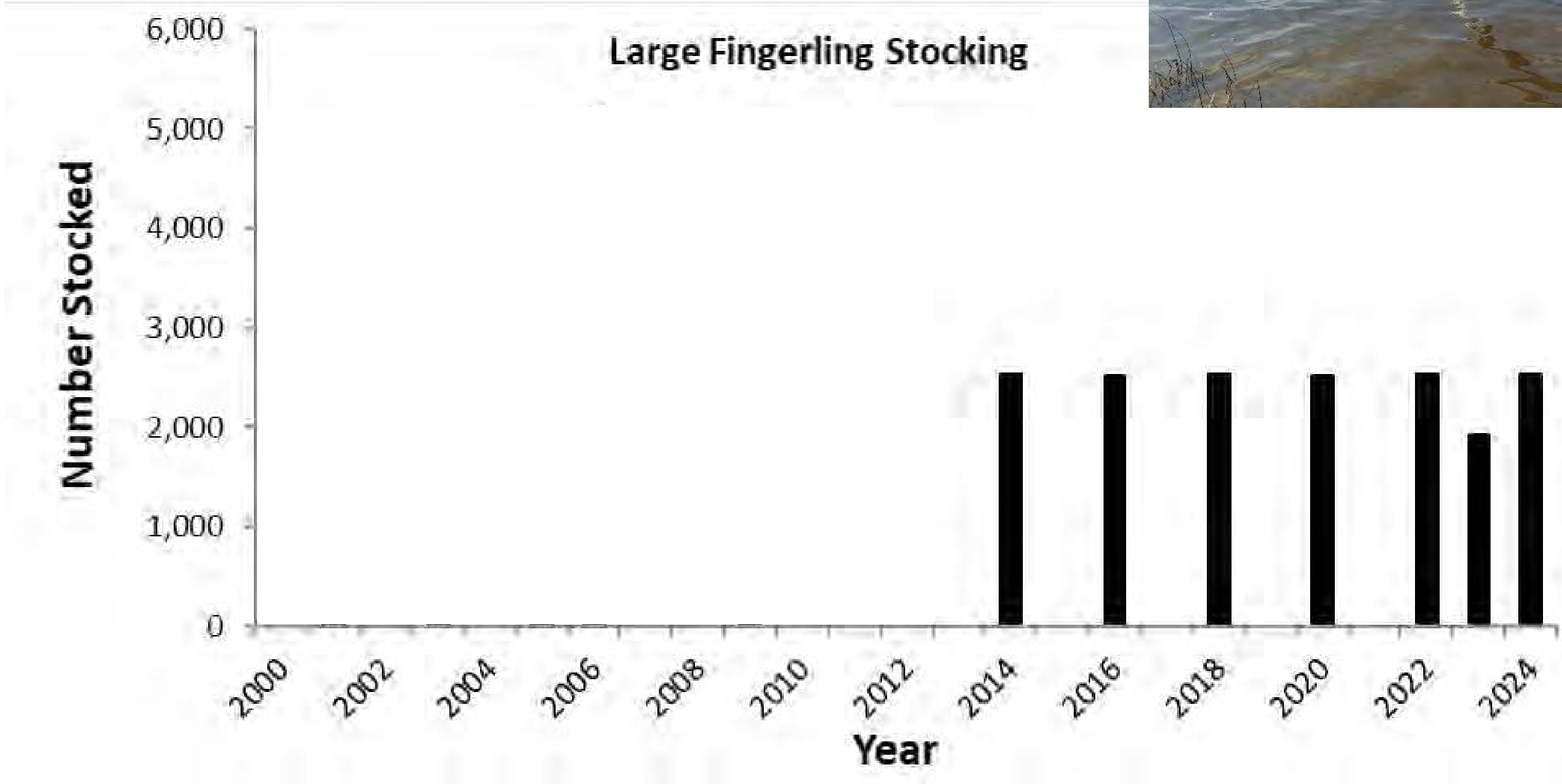
Halsey - Adult Abundance



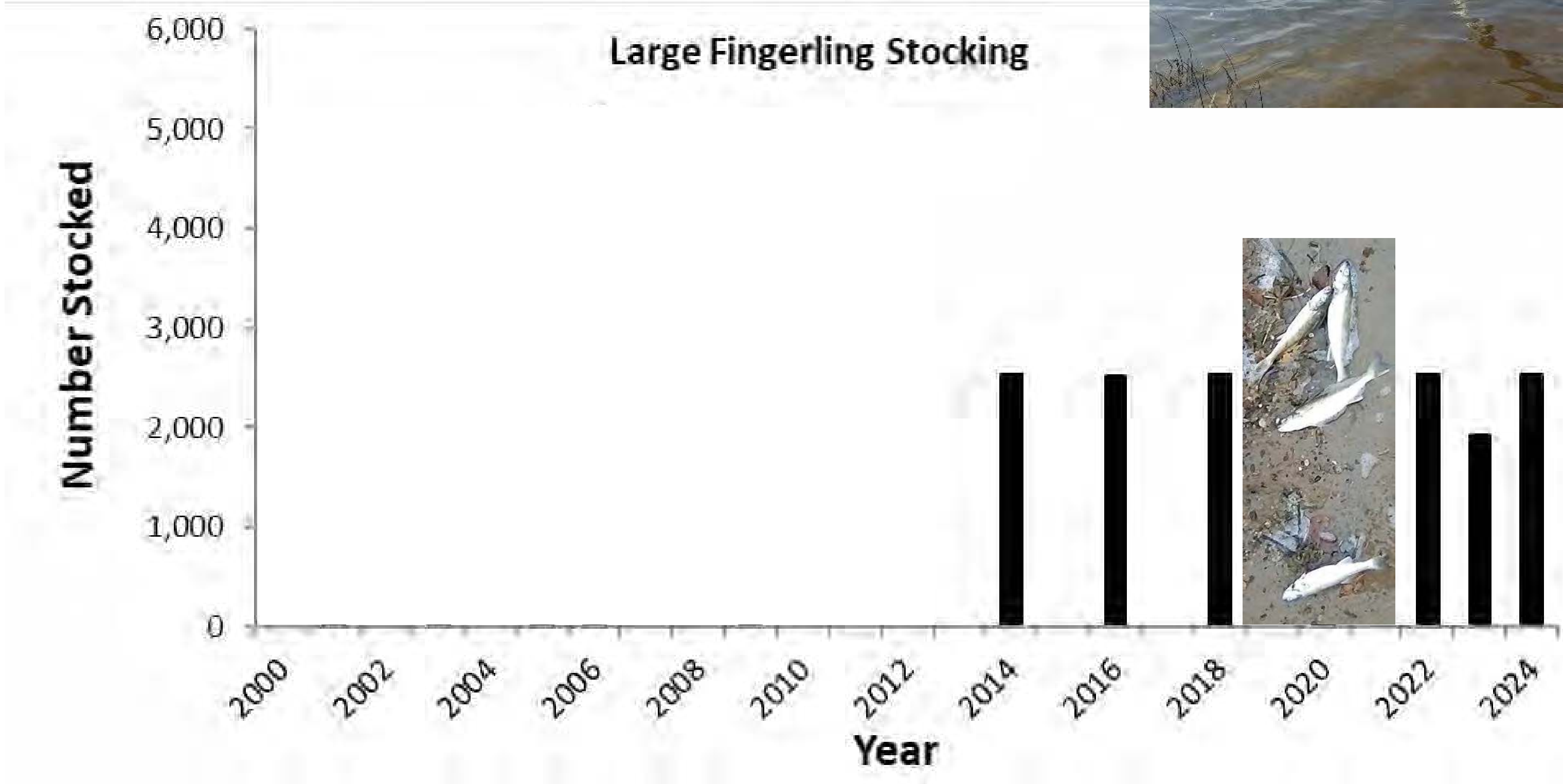
Halsey - Winterkill



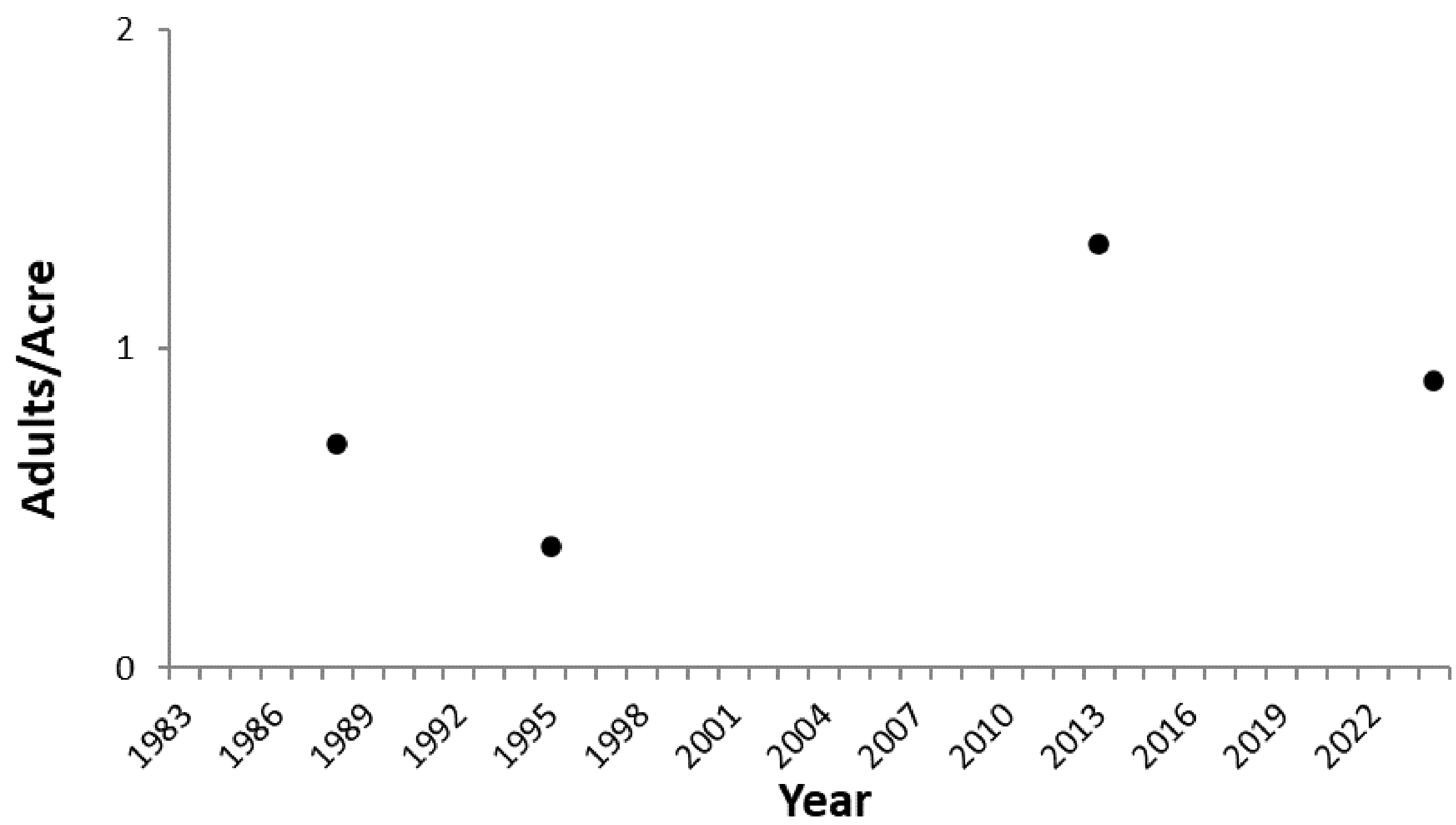
Halsey - Stocking



Halsey - Stocking



Halsey - Adult Abundance



Halsey - Aeration

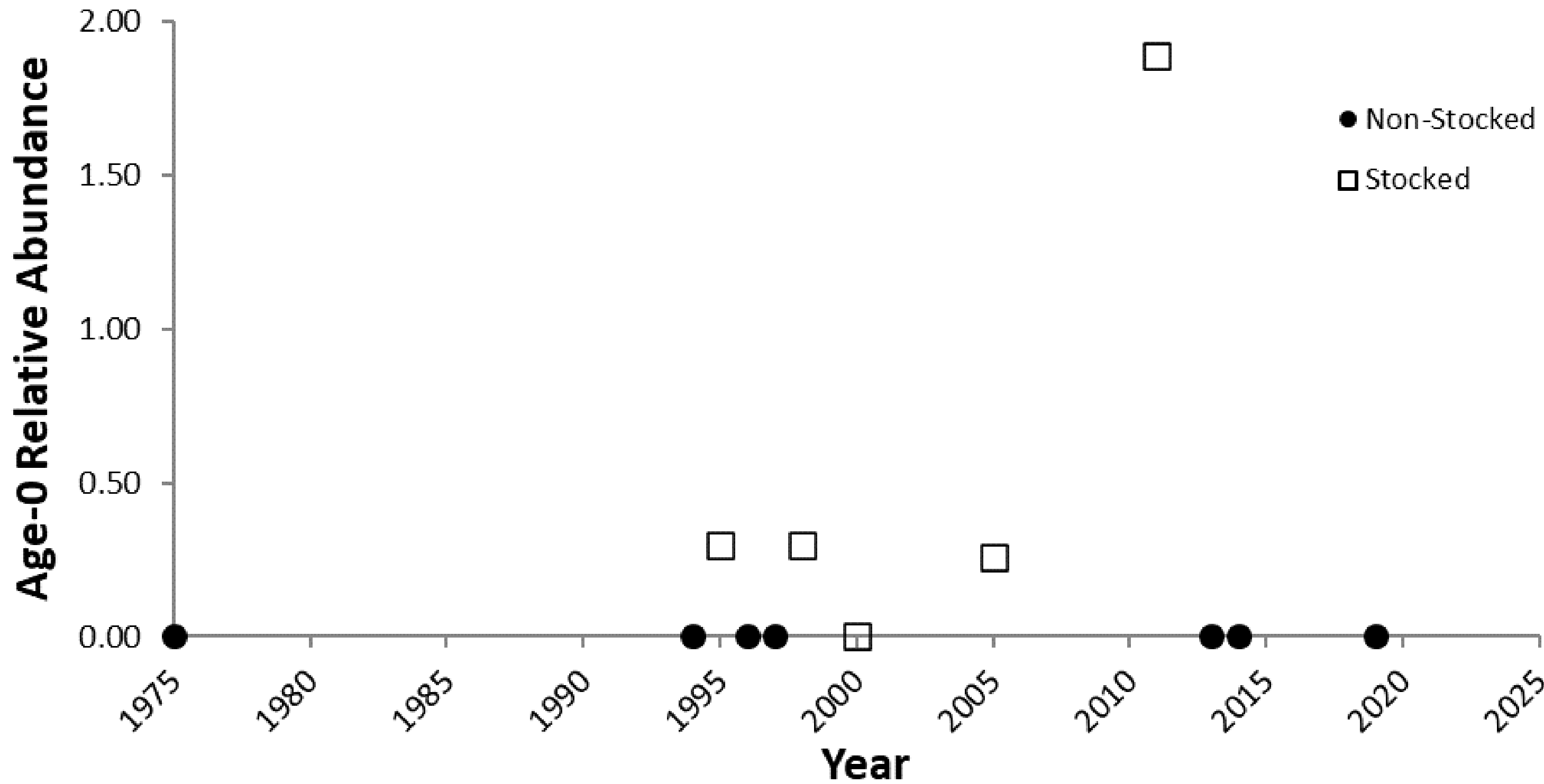


Silver Lake

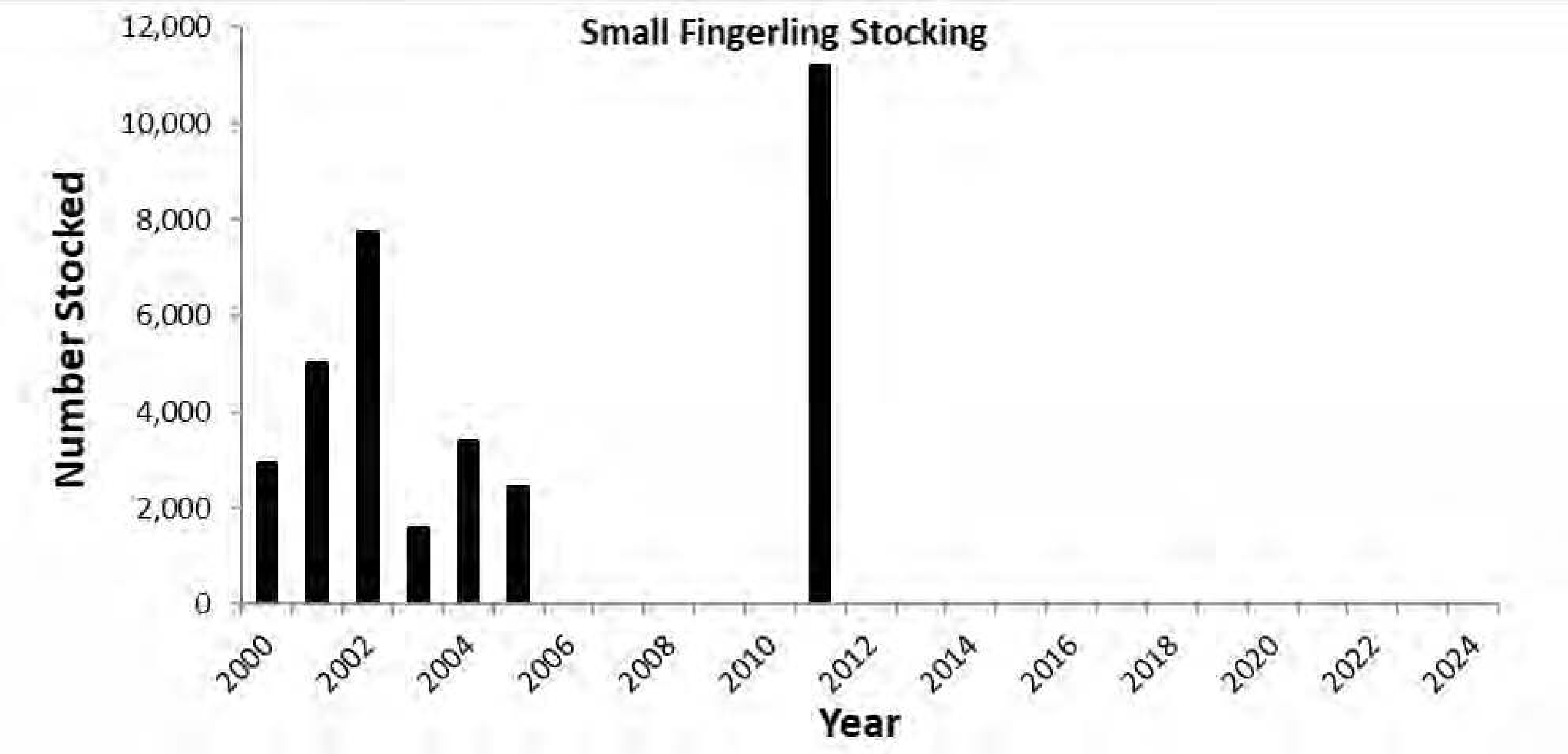
- 320-Acres
- Introduced 1937
- Stocked “Sparsely”
 - Sm Fgl: 1992-2011
- Stocked Regularly
 - Lg Fgl: 2013-present



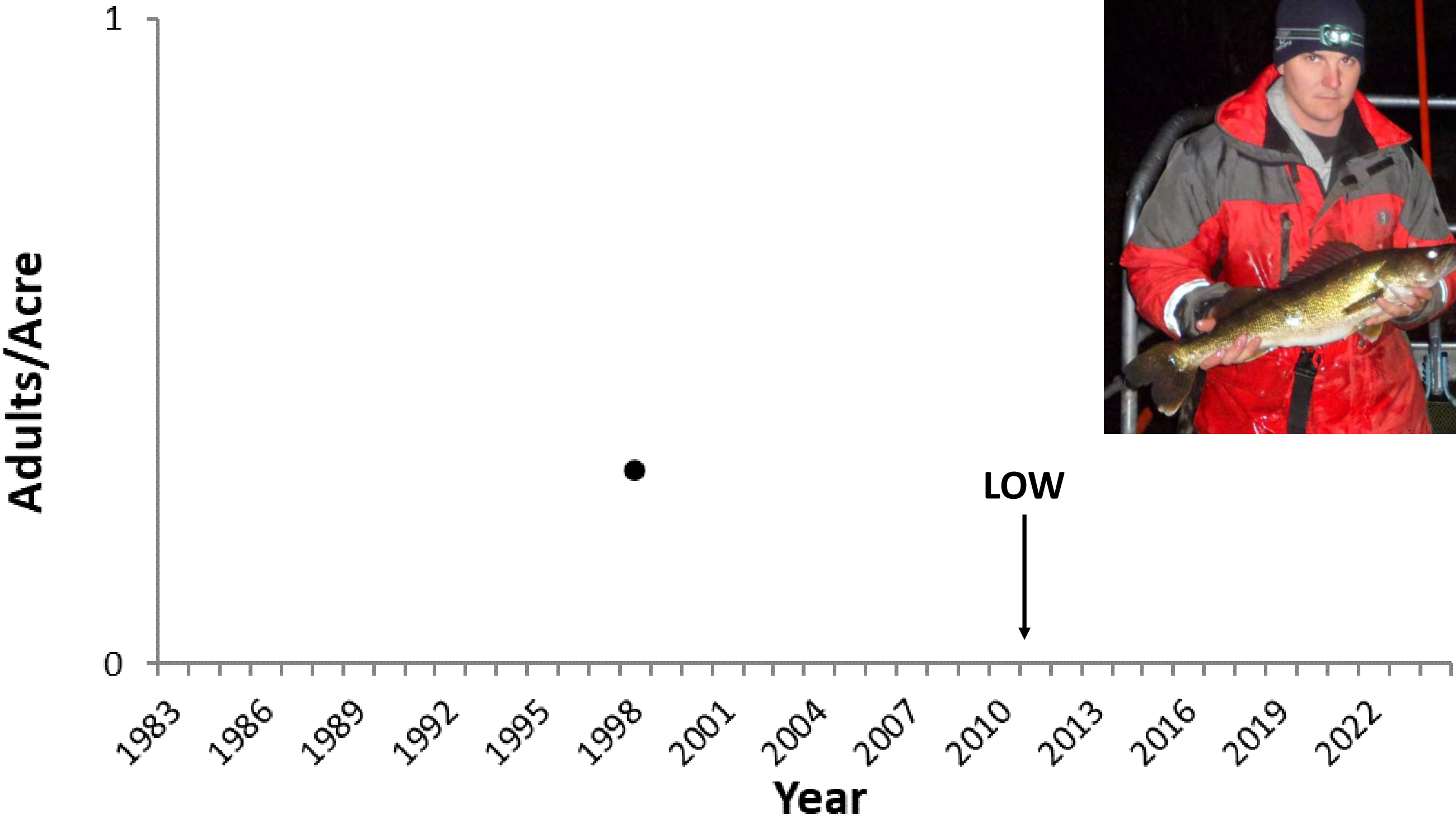
Silver - Recruitment



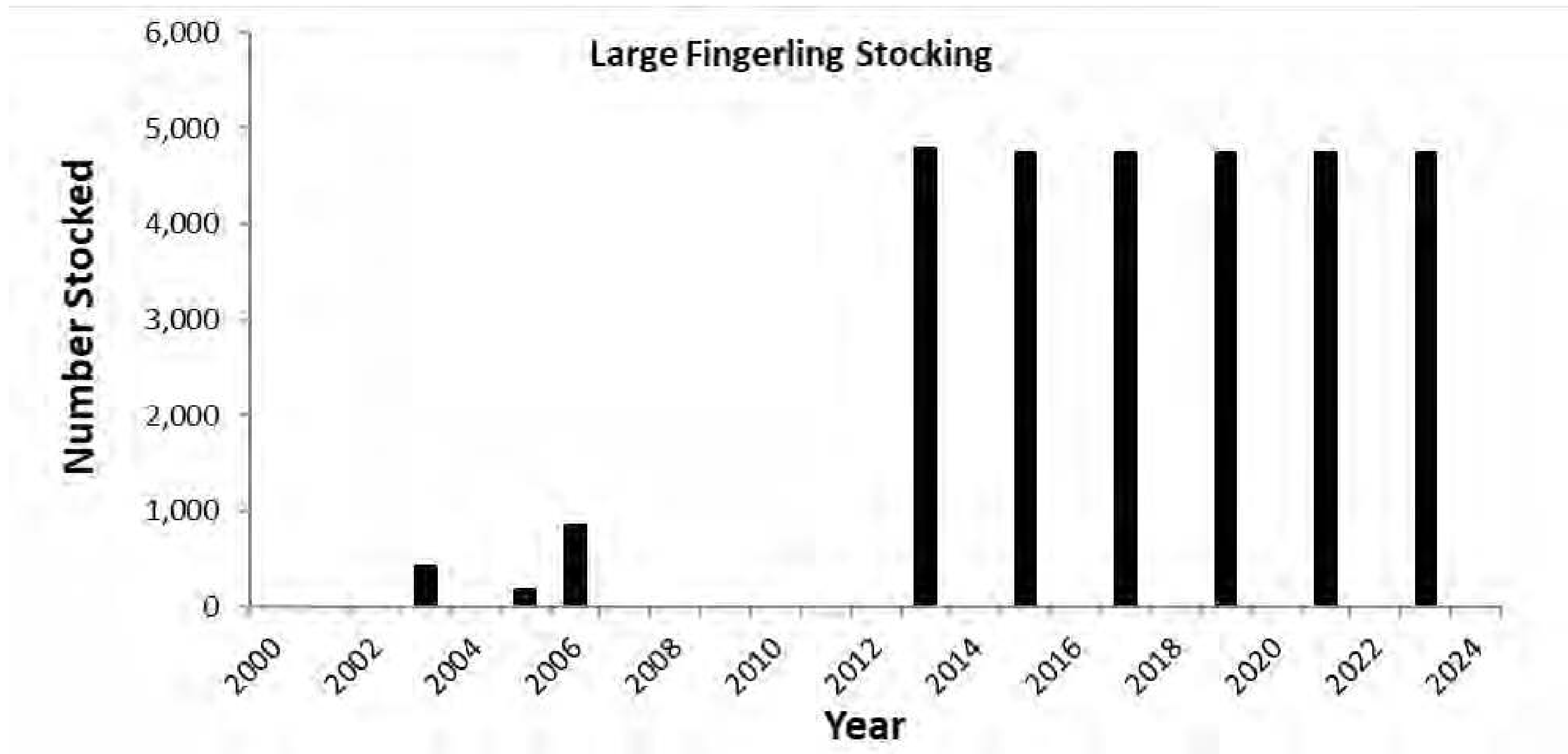
Silver - Stocking



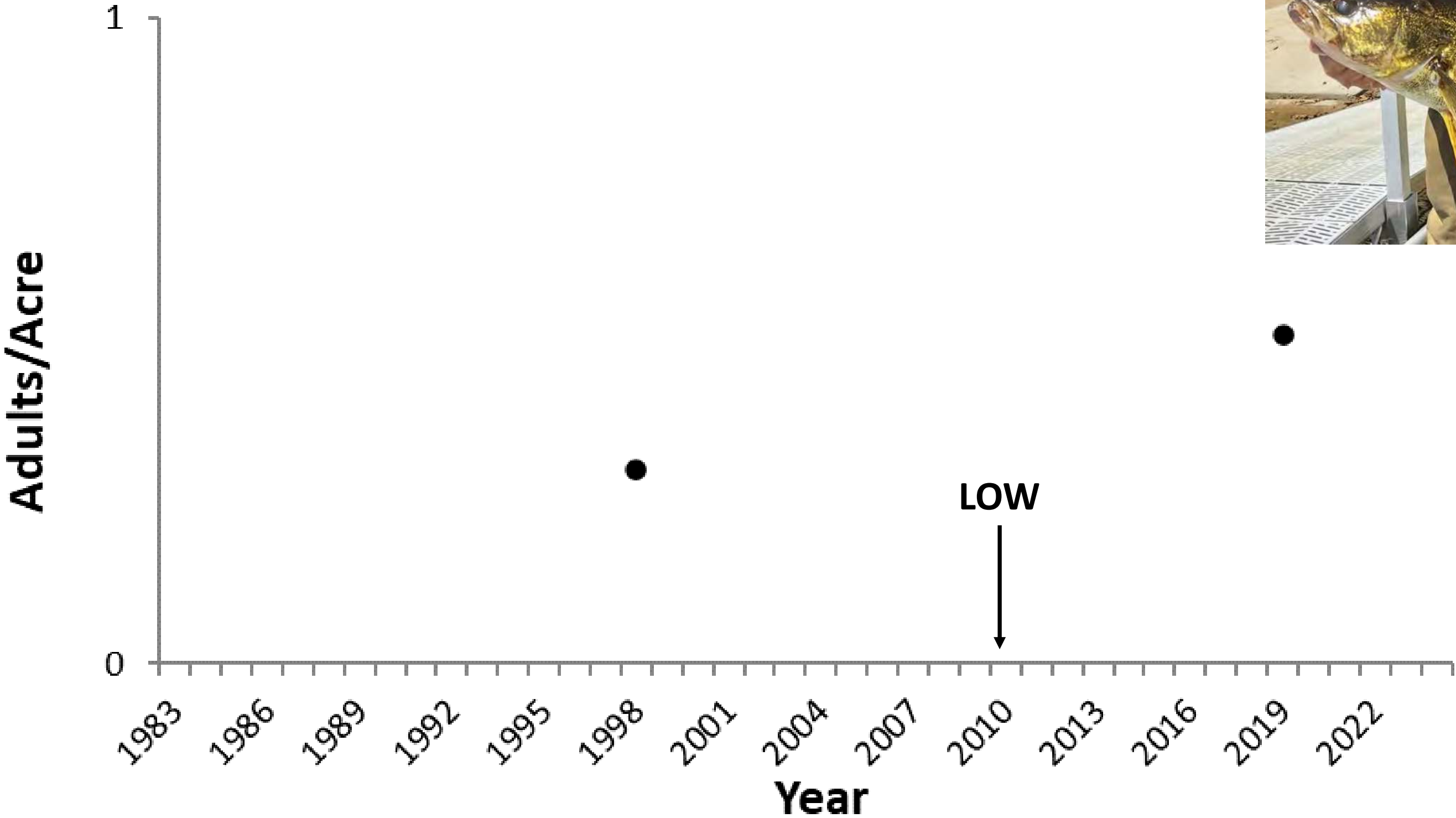
Silver - Adult Abundance



Silver - Stocking



Silver - Adult Abundance

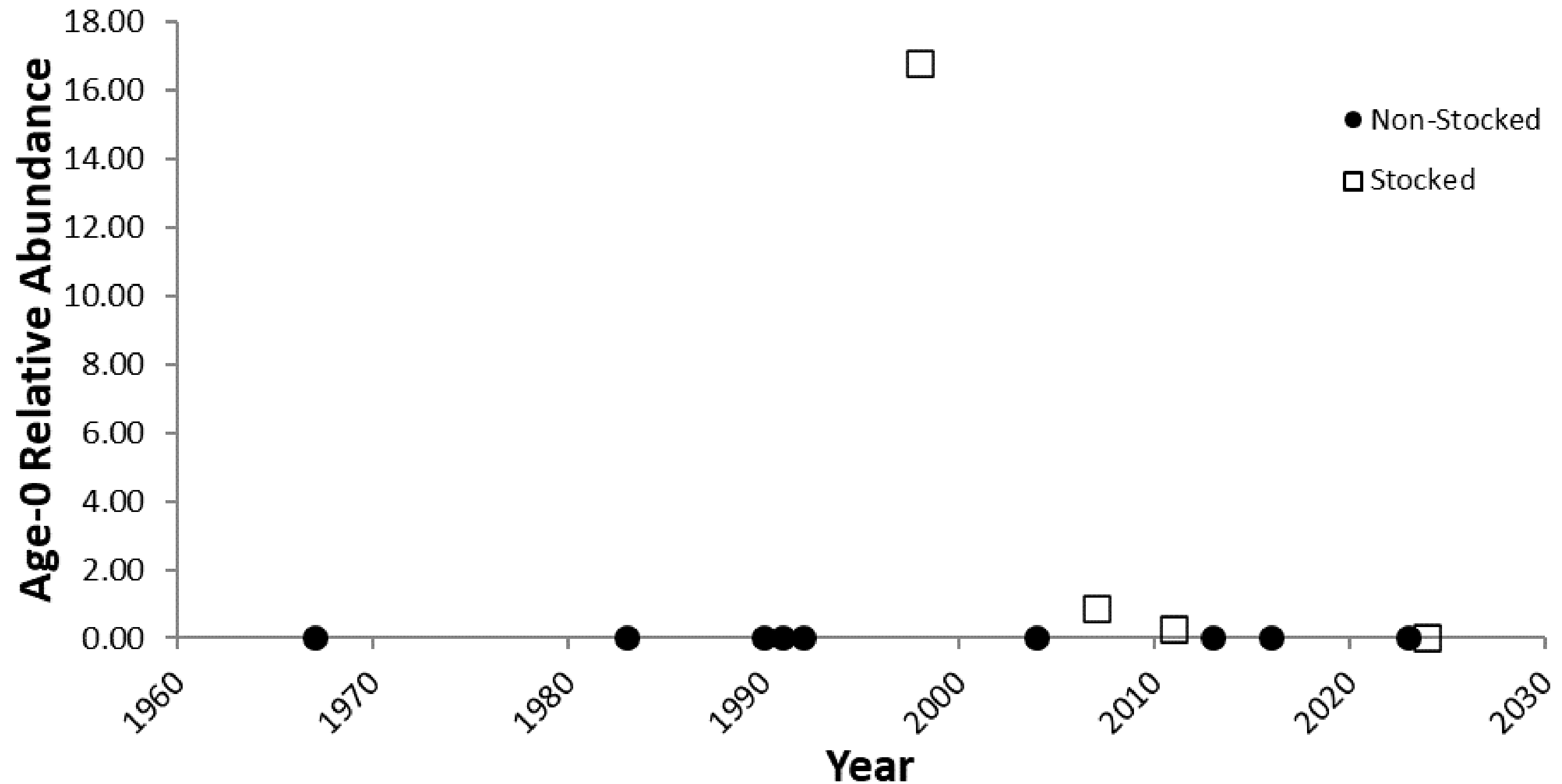


Fay Lake

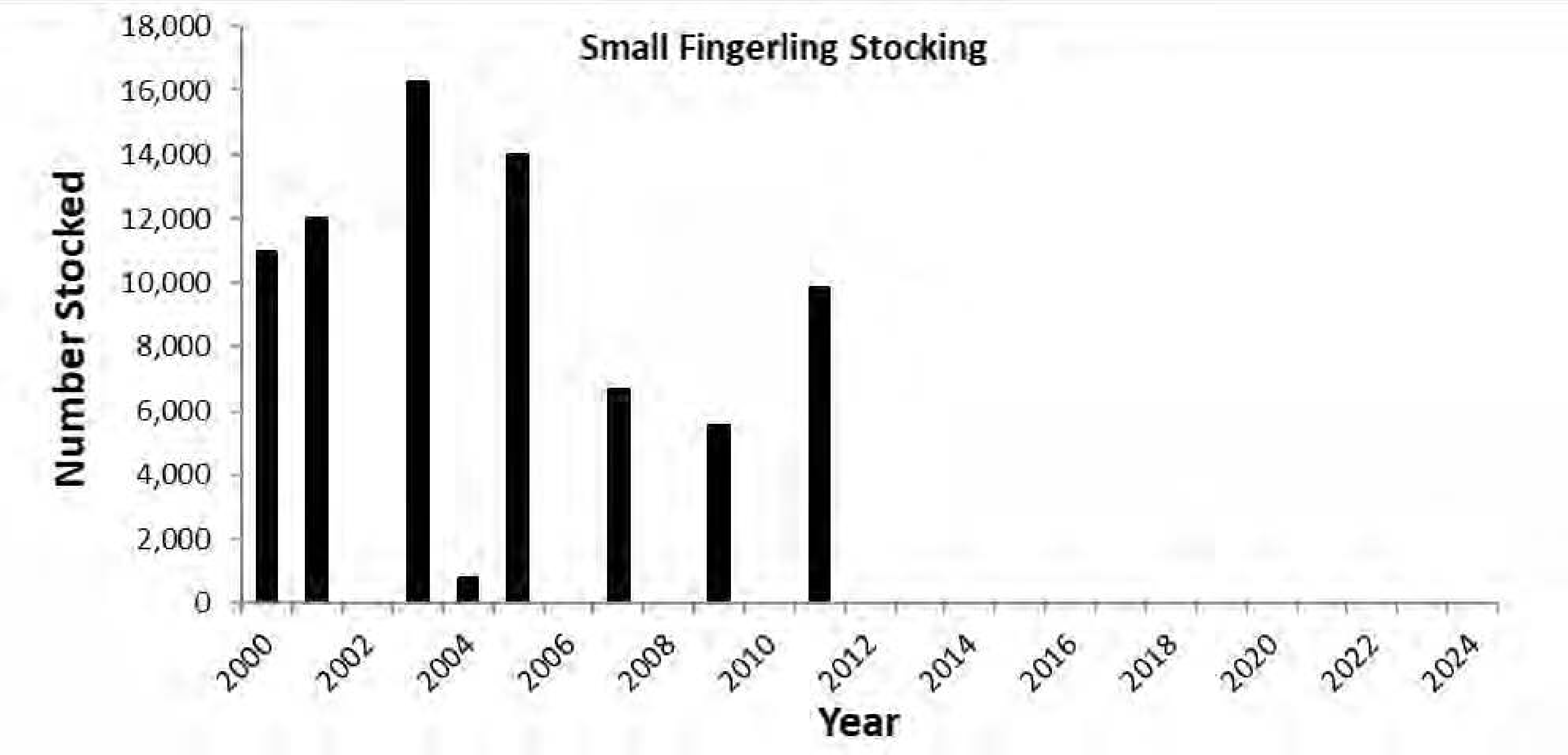
- 282-Acres
- Introduced 1937
- Stocking
 - Fry/Sm Fgl: 1937-1953
 - Sm Fgl: 1994-2011
 - Lg Fgl: 2013-Present



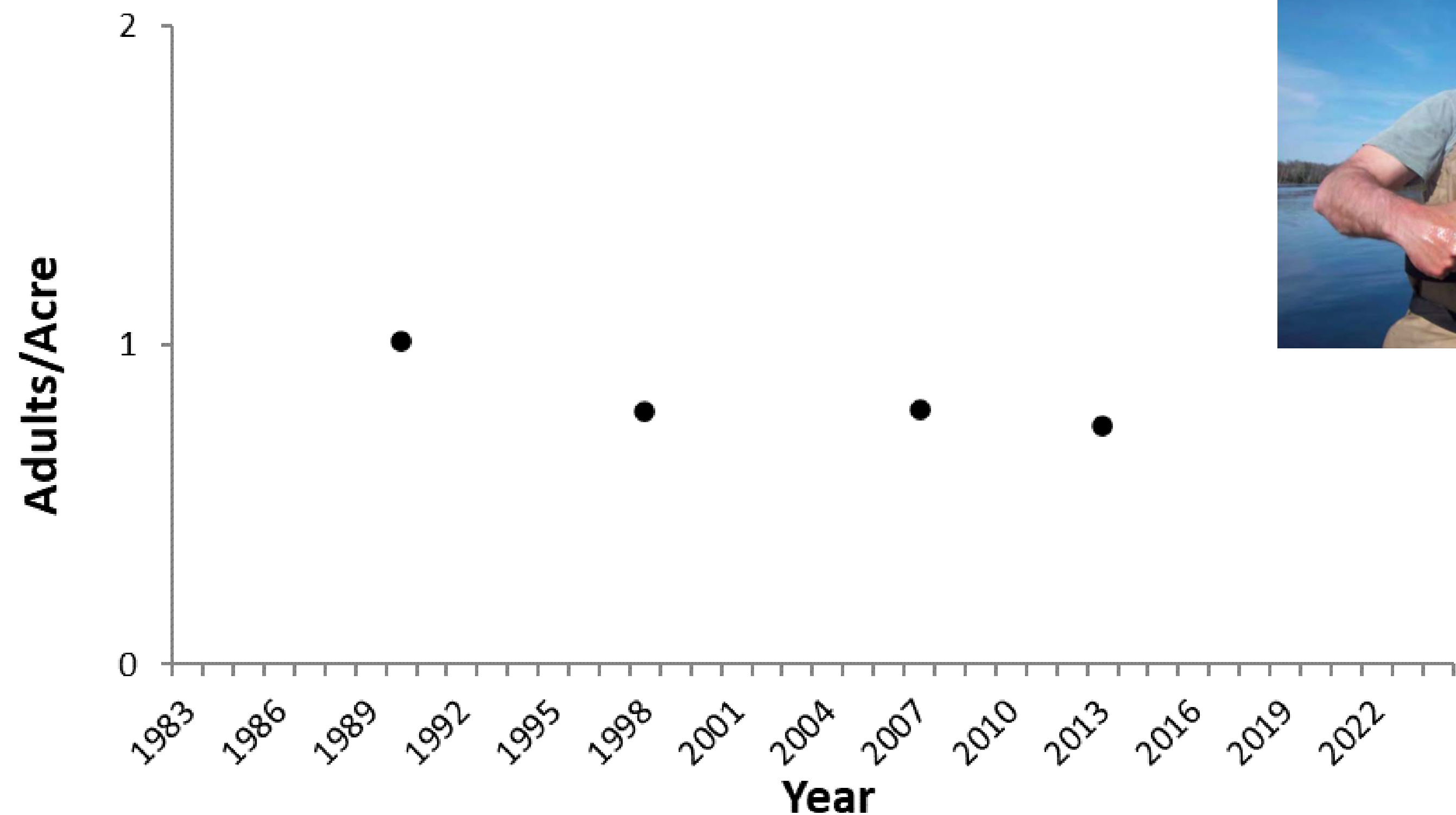
Fay - Recruitment



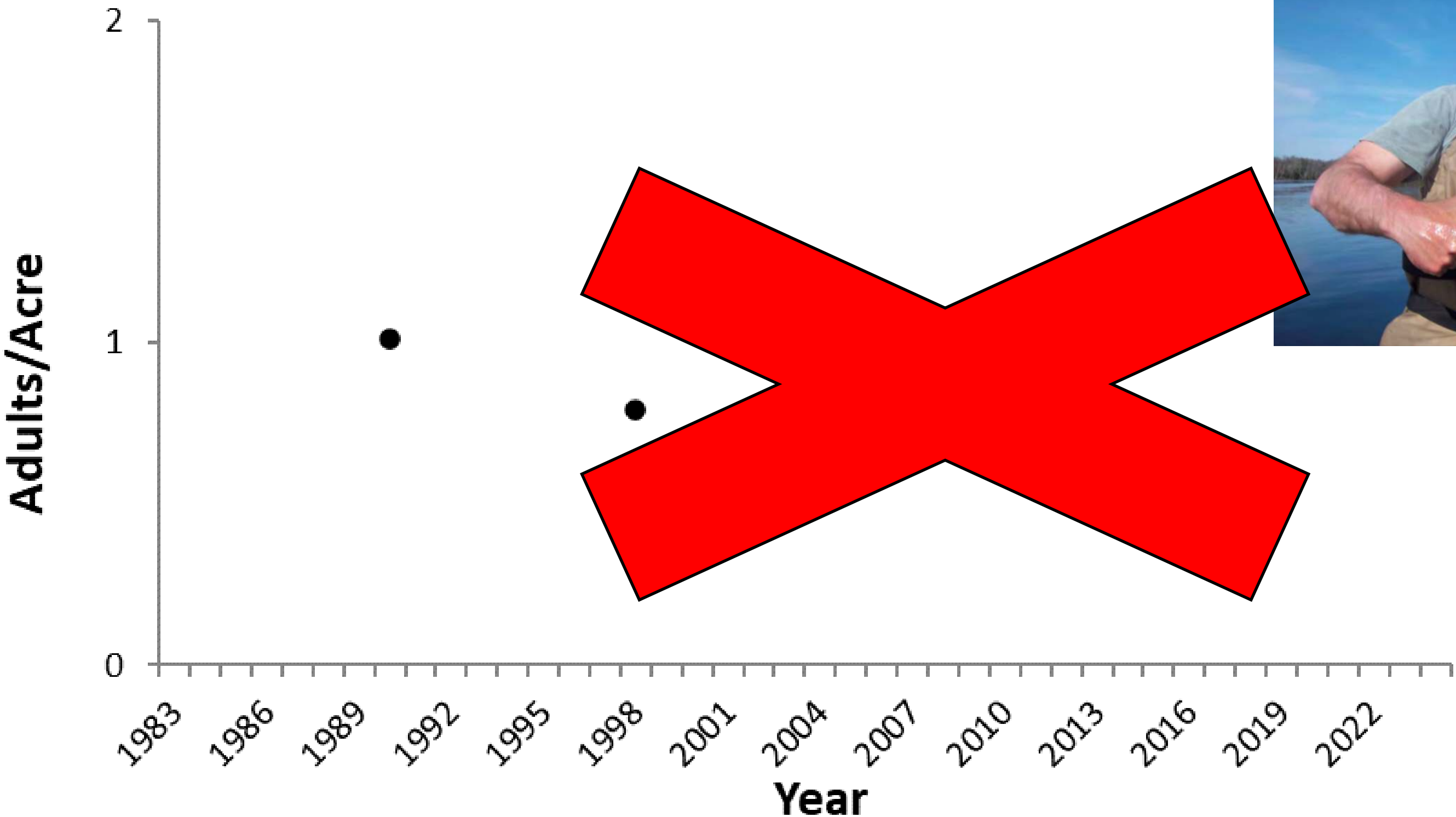
Fay - Stocking



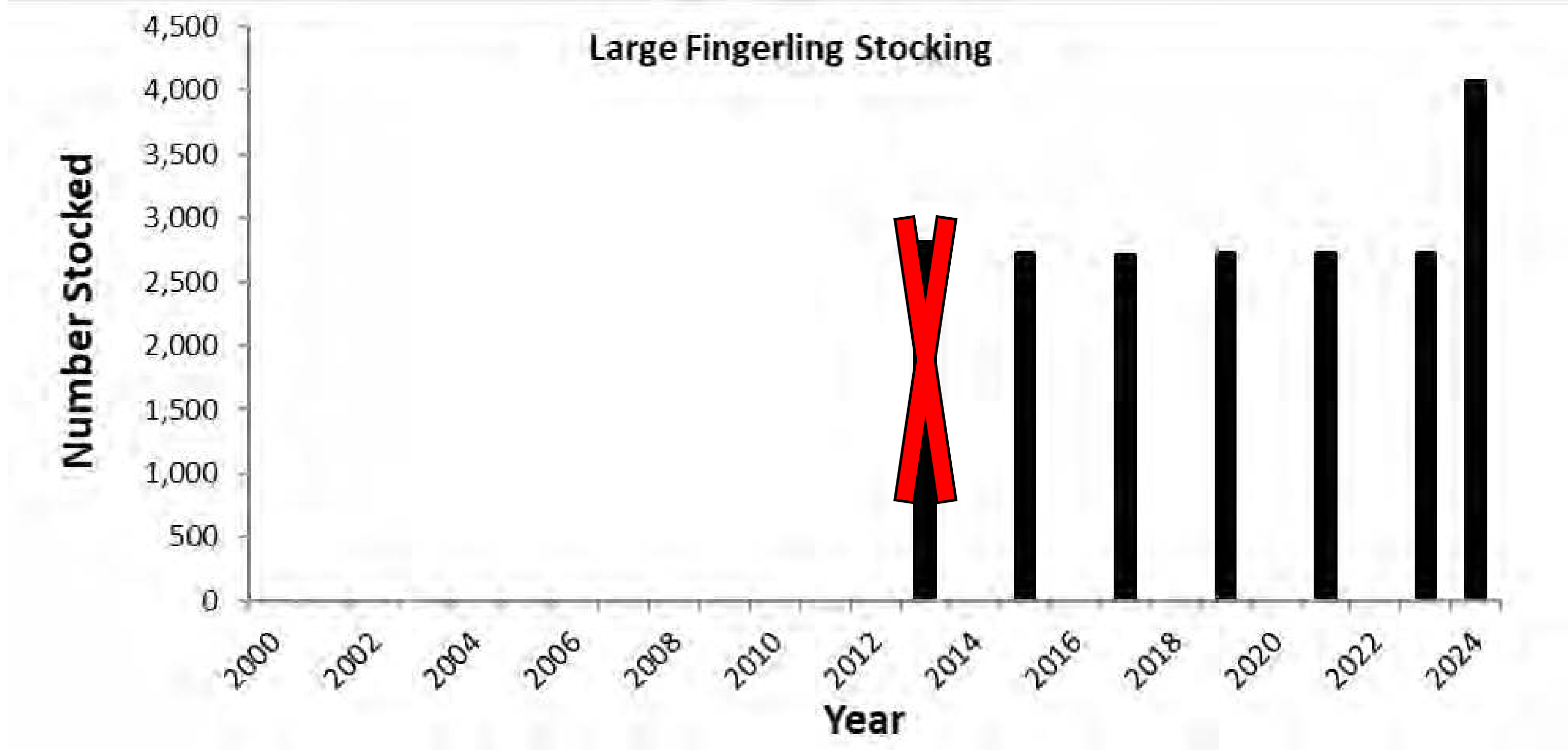
Fay - Adult Abundance



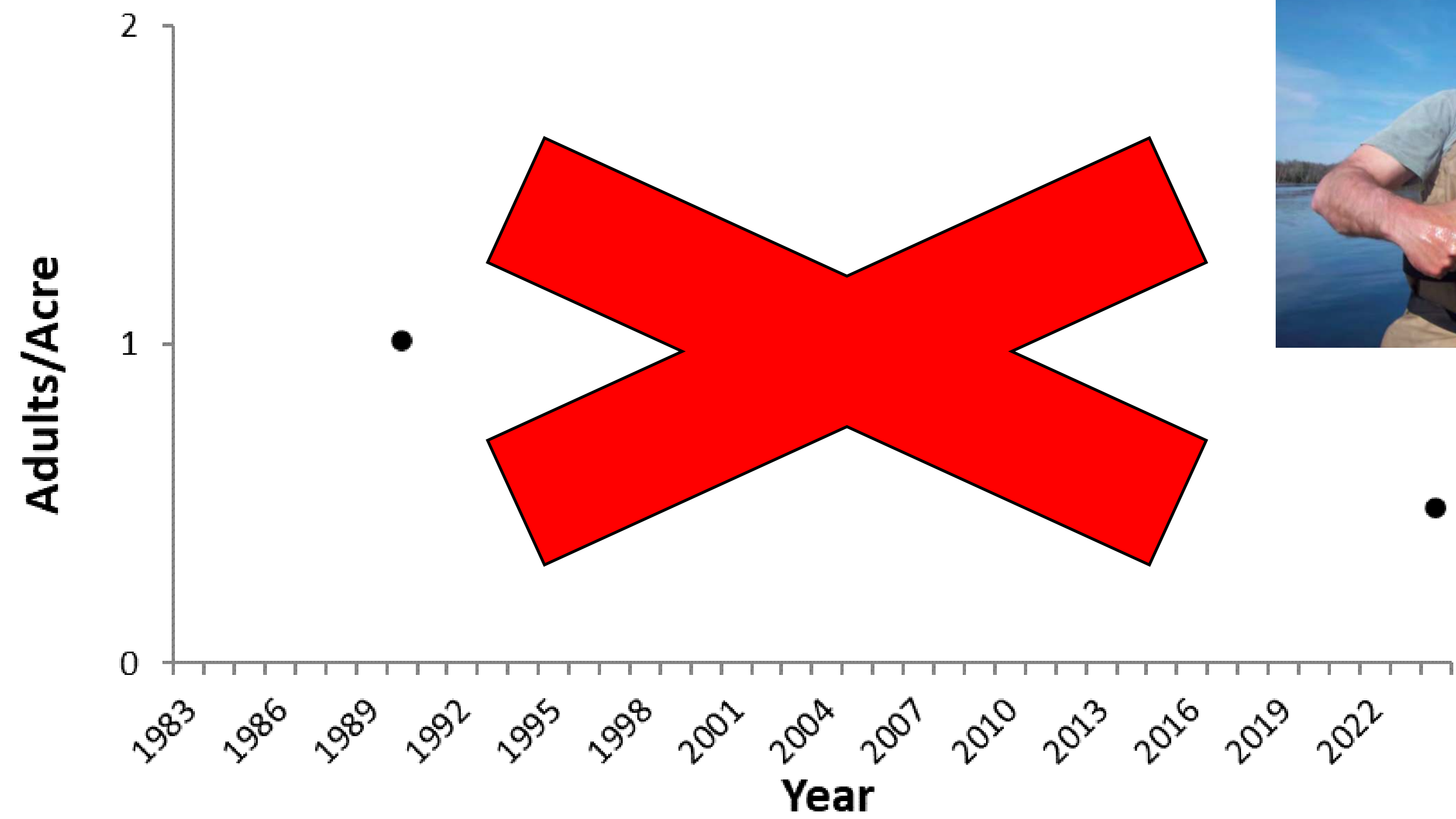
Fay - Winterkill 2013-14



Fay - Stocking



Fay - Adult Abundance



Fay - Aeration 2022



Fay - Bullhead Removal 2024

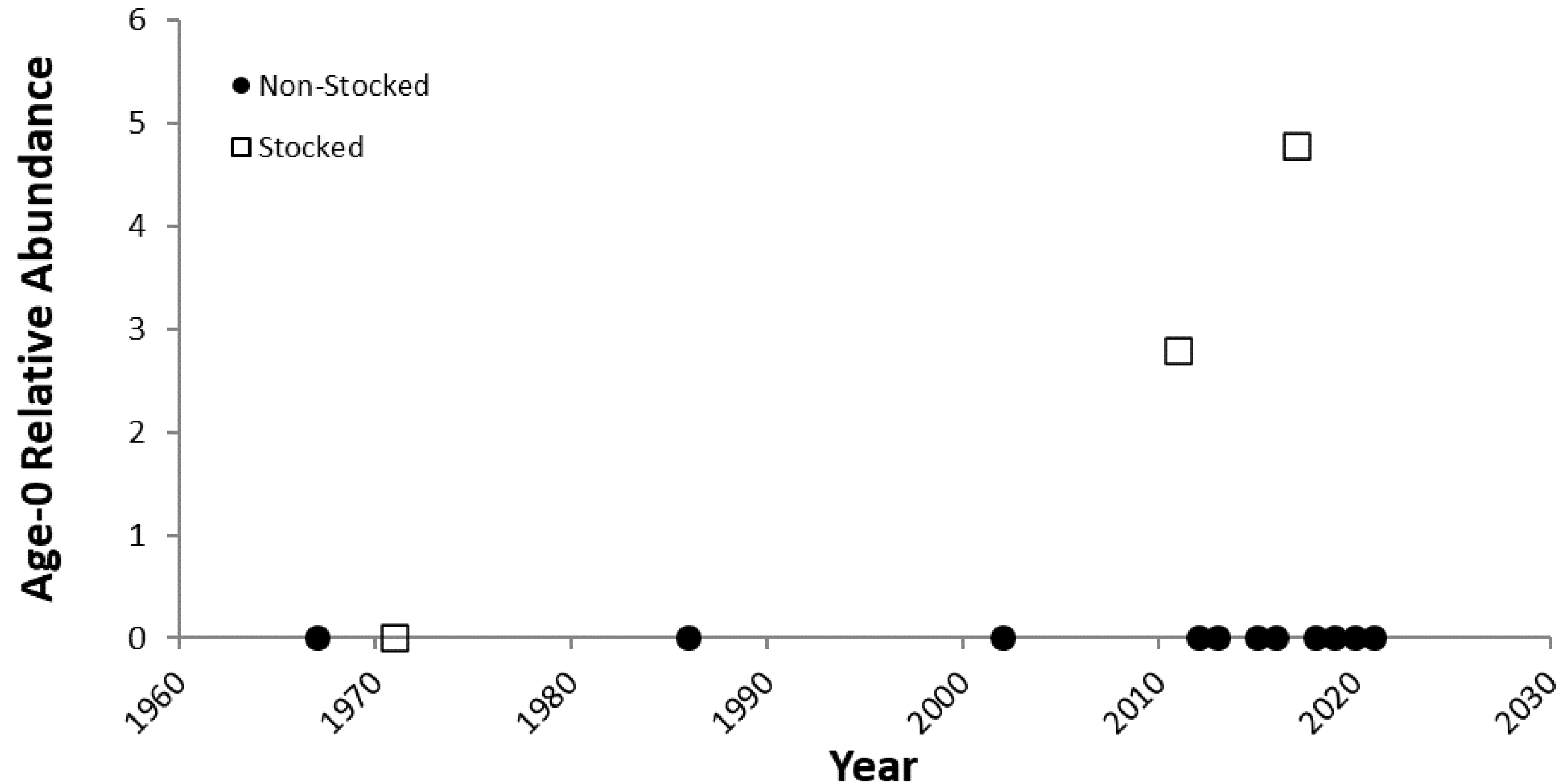
Survey	Date	BH Captured	BH Removed	Mean Weight (lbs)	Total Weight Removed (lbs)	Effort (N-N)	Effort (miles)	Relative Abundance (Catch/N-N)	Relative Abundance (Catch/mile)
Pre-SN1	03/19/2024	2	2	0.280573	0.56	6		0.33	
Pre-SN1	03/21/2024	2	2	0.280573	0.56	12		0.17	
Pre-SN1	04/05/2024	15	15	0.280573	4.21	3		5.00	
SN1	04/06/2024	364	364	0.280573	102.13	6		60.67	
SN1	04/08/2024	1185	1185	0.280573	332.48	14		84.64	
BH Removal 1	05/01/2024	1495	1495	0.283636	424.04	24		62.29	
BH Removal 1	05/03/2024	1007	1007	0.194366	195.73	32		31.47	
BH Removal 1	05/06/2024	1206	1206	0.322727	389.21	45		26.80	
BH Removal 1	05/08/2024	624	624	0.28	174.72	26		24.00	
BH Removal 1	05/10/2024	311	310	0.28871	89.50	22		14.14	
BH Removal 1	05/13/2024	140	140	0.314	43.96	12		11.67	
SE2	06/03/2024	240	240	0.280573	67.34		3.6		66.67/mile
SN3	06/04/2024	341	341	0.173140871	59.04	4		85.25	
SN3	06/05/2024	324	324	0.173140871	56.10	4		81.00	
SN3	06/06/2024	382	382	0.173140871	66.14	4		95.50	
BH Removal 2	06/07/2024	650	650	0.167948718	109.17	8		81.25	
BH Removal 2	06/10/2024	929	929	0.172972973	160.69	24		38.71	
BH Removal 2	06/11/2024	419	419	0.173140871	72.55	8		52.38	
BH Removal 2	06/13/2024	516	516	0.18	92.88	12		43.00	
BH Removal 2	06/14/2024	243	243	0.171641791	41.71	4		60.75	
FE1	09/26/2024	96	96	0.280573	26.94		3.2		30.00/mile
	Total	10491	10490		2509.63	270	6.8	37.61	

Lake Emily

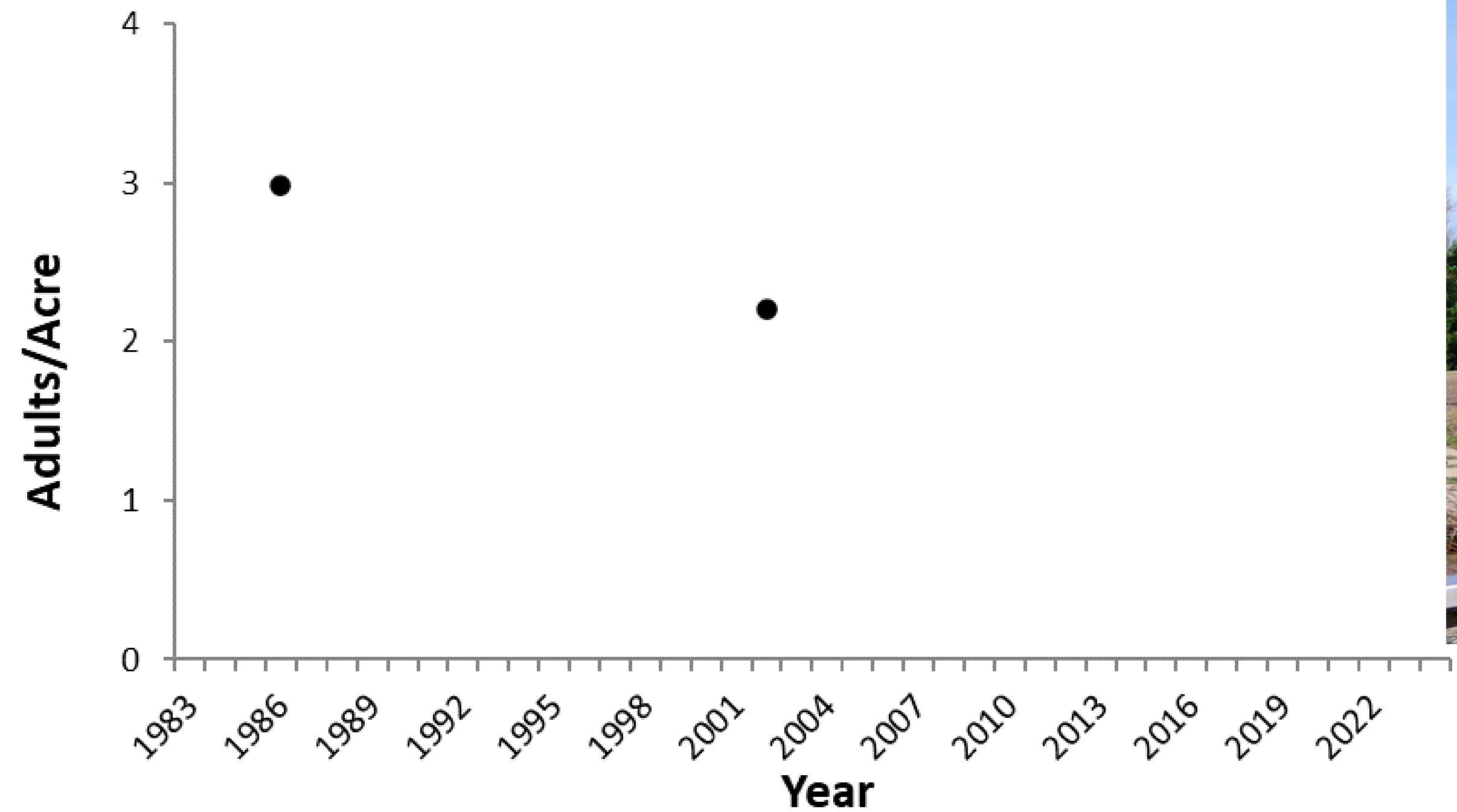
- 191-Acres
- Introduced 1937
- Steady Stocking Since 1949
 - Sm Fgl: 1949-2011
 - LA Lg Fgl: 2005-2012
 - Lg Fgl: 2013-Present



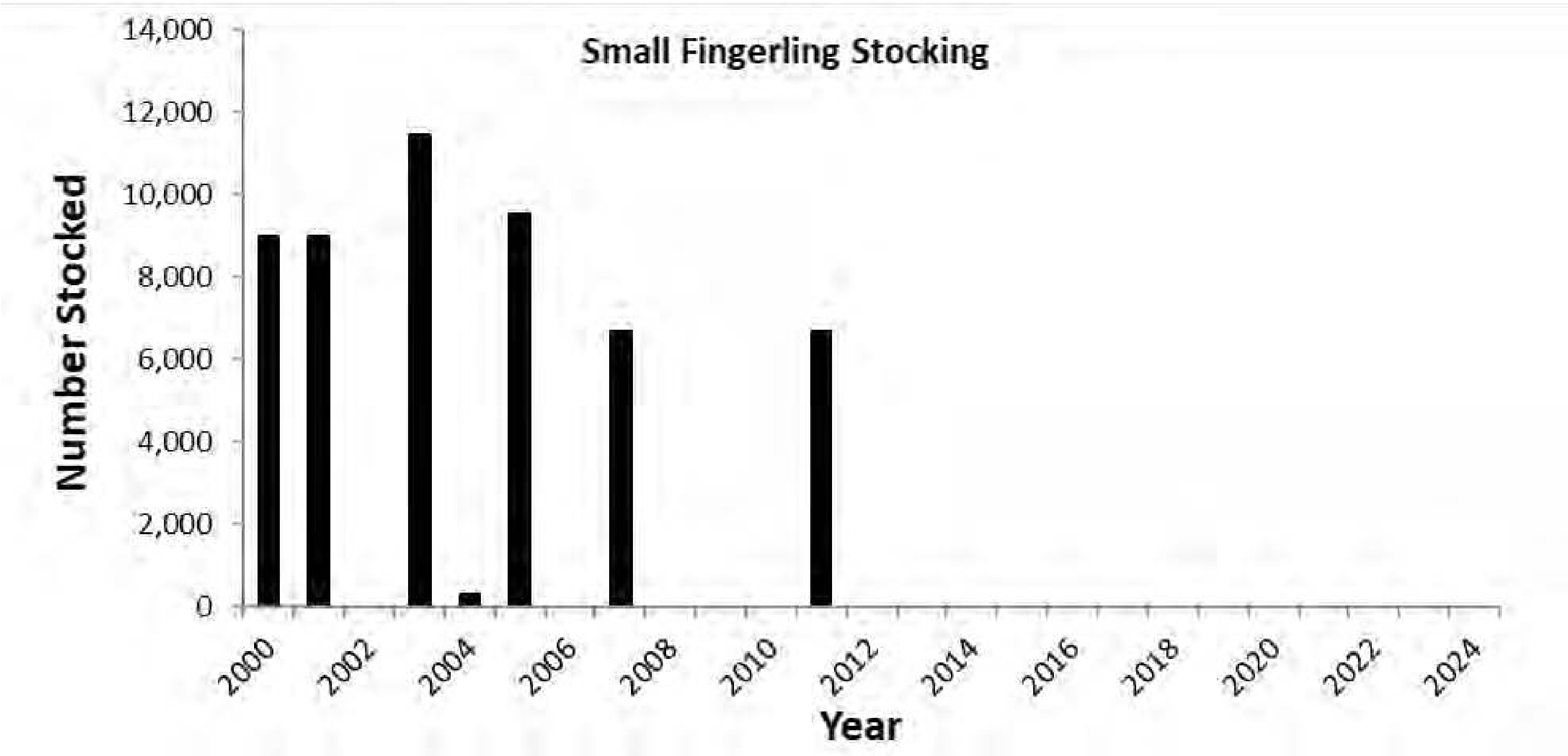
Emily - Recruitment



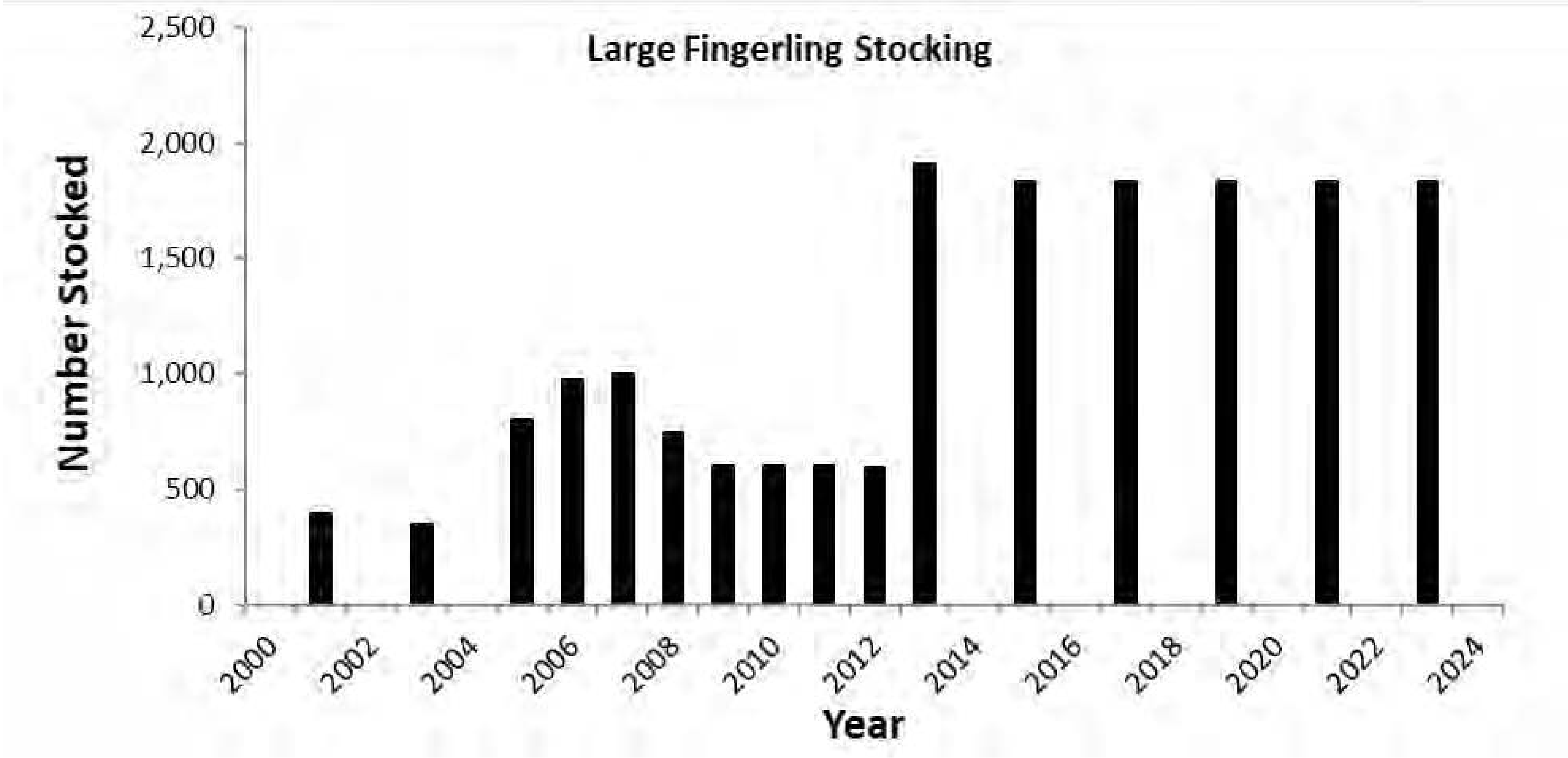
Emily - Adult Abundance



Emily - Stocking

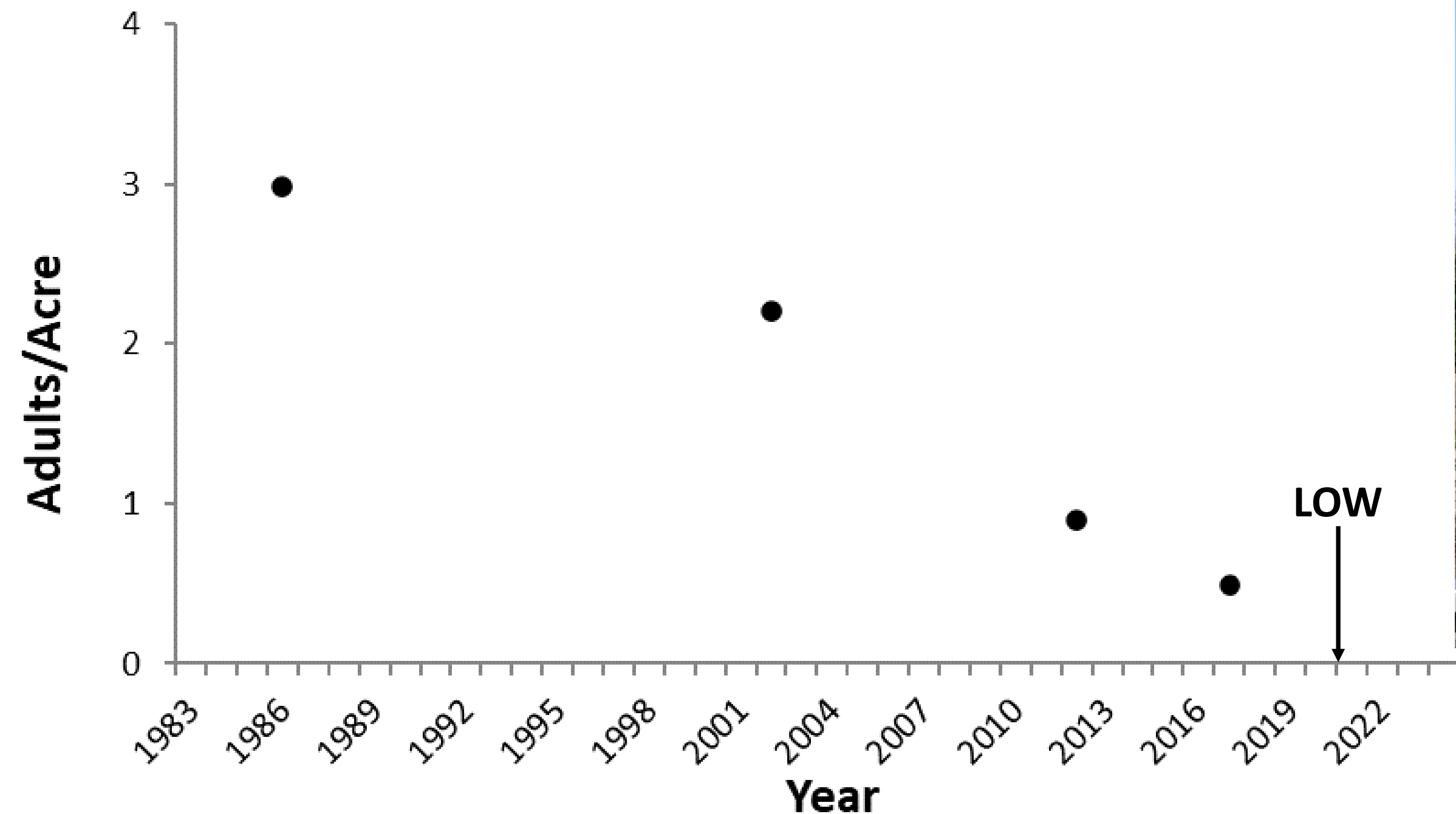


Emily - Stocking



Artificial Spawning Reef Installed March 2015

Emily - Adult Abundance



Questions?



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OFF THE RECORD"