

# Fishery Status Update



Connors Lake  
Lake of the Pines

September 3, 2016

# Connors Lake

Year	Population Estimate	Number per Acre
2013	1084	2.5
2010	1289	3.0
1995	2523	5.9

Goal: 3 – 5 adult walleyes per acre



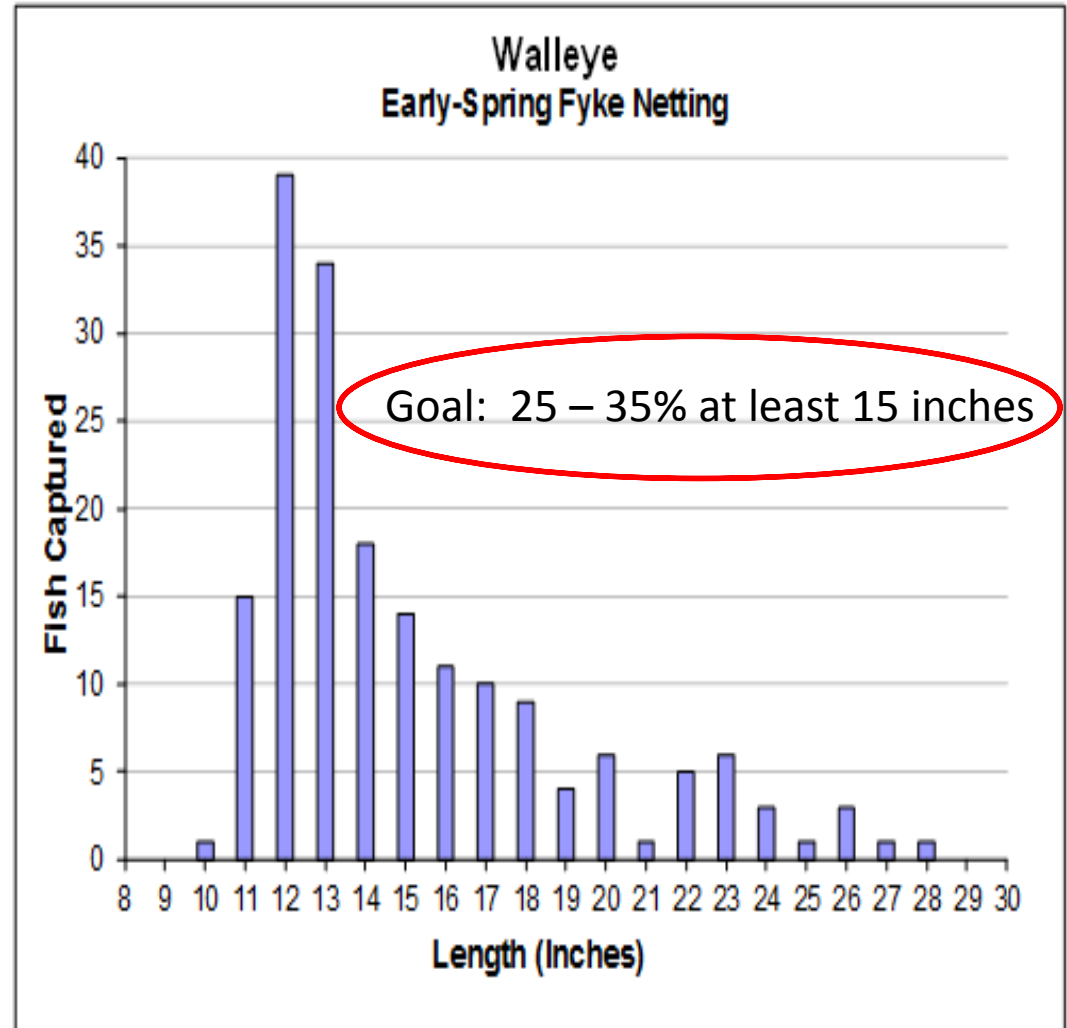
# Connors

# Walleye



## Early Spring Fyke Nets

Captured 12 per net-night > 10"	
Quality Size $\geq 15"$	41%
Preferred Size $\geq 20"$	15%
Memorable Size $\geq 25"$	3%



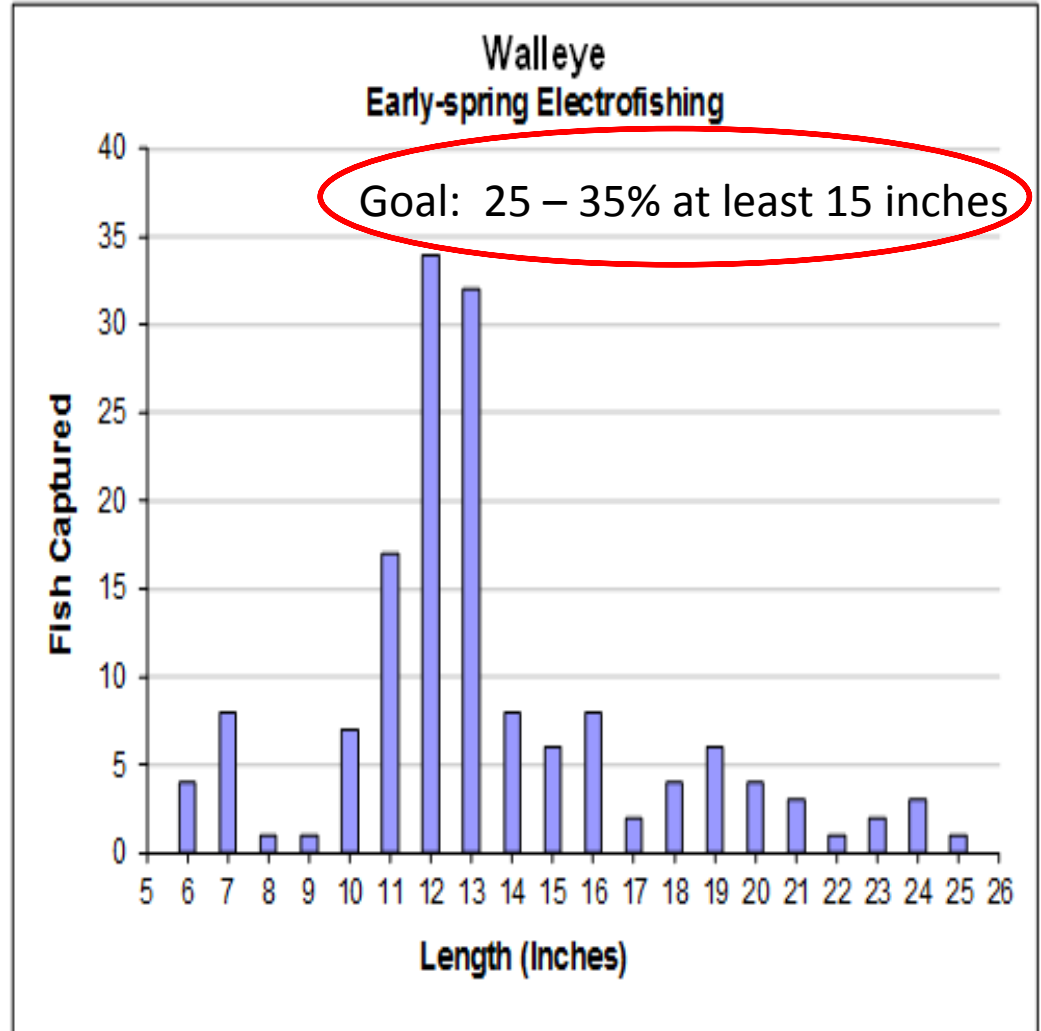
# Connors

# Walleye



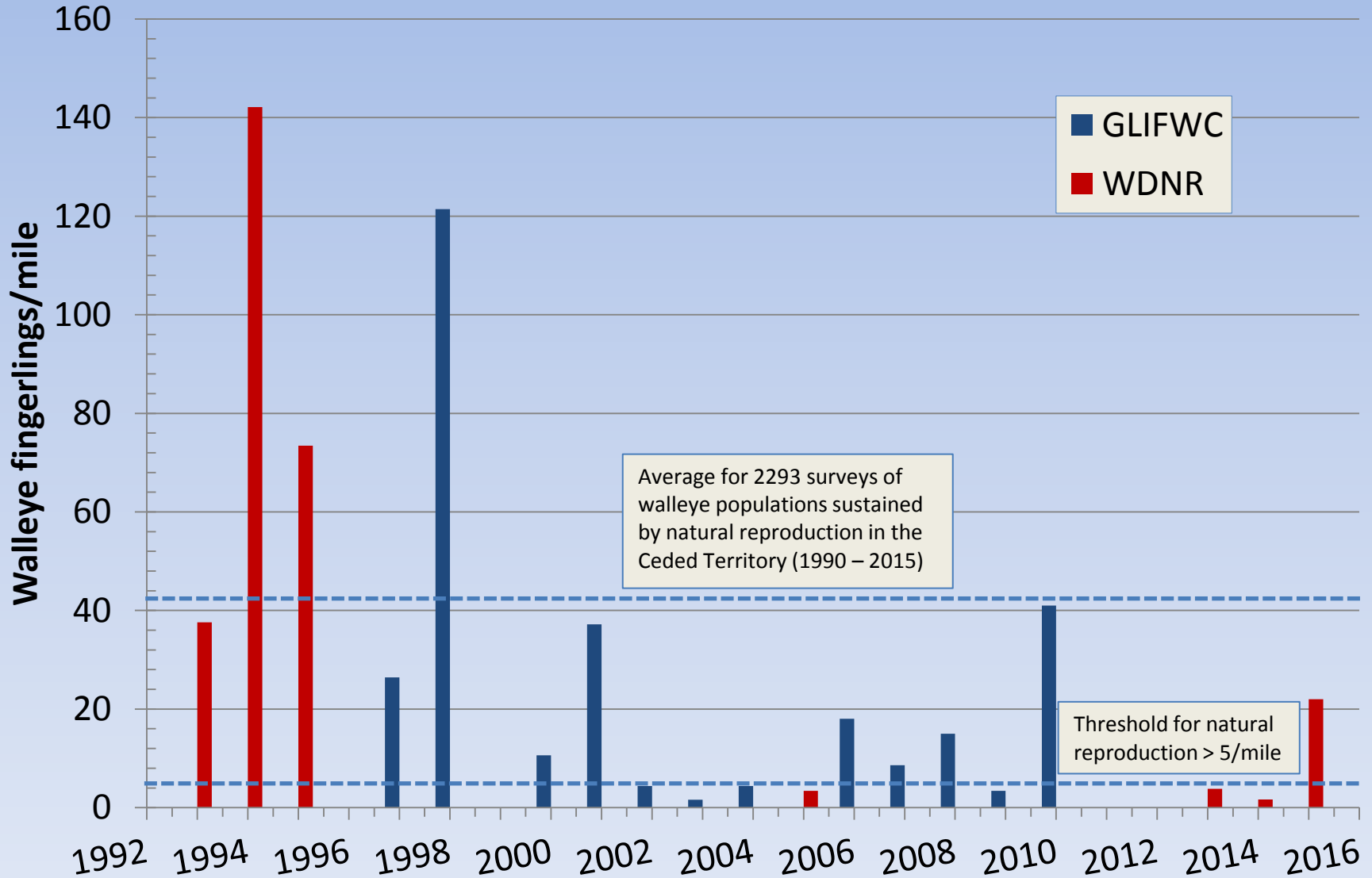
## Early Spring Electrofishing

Captured 28 per mile or 73 per hour $\geq 10''$	
Quality Size $\geq 15''$	29%
Preferred Size $\geq 20''$	10%
Memorable Size $\geq 25''$	0.7%

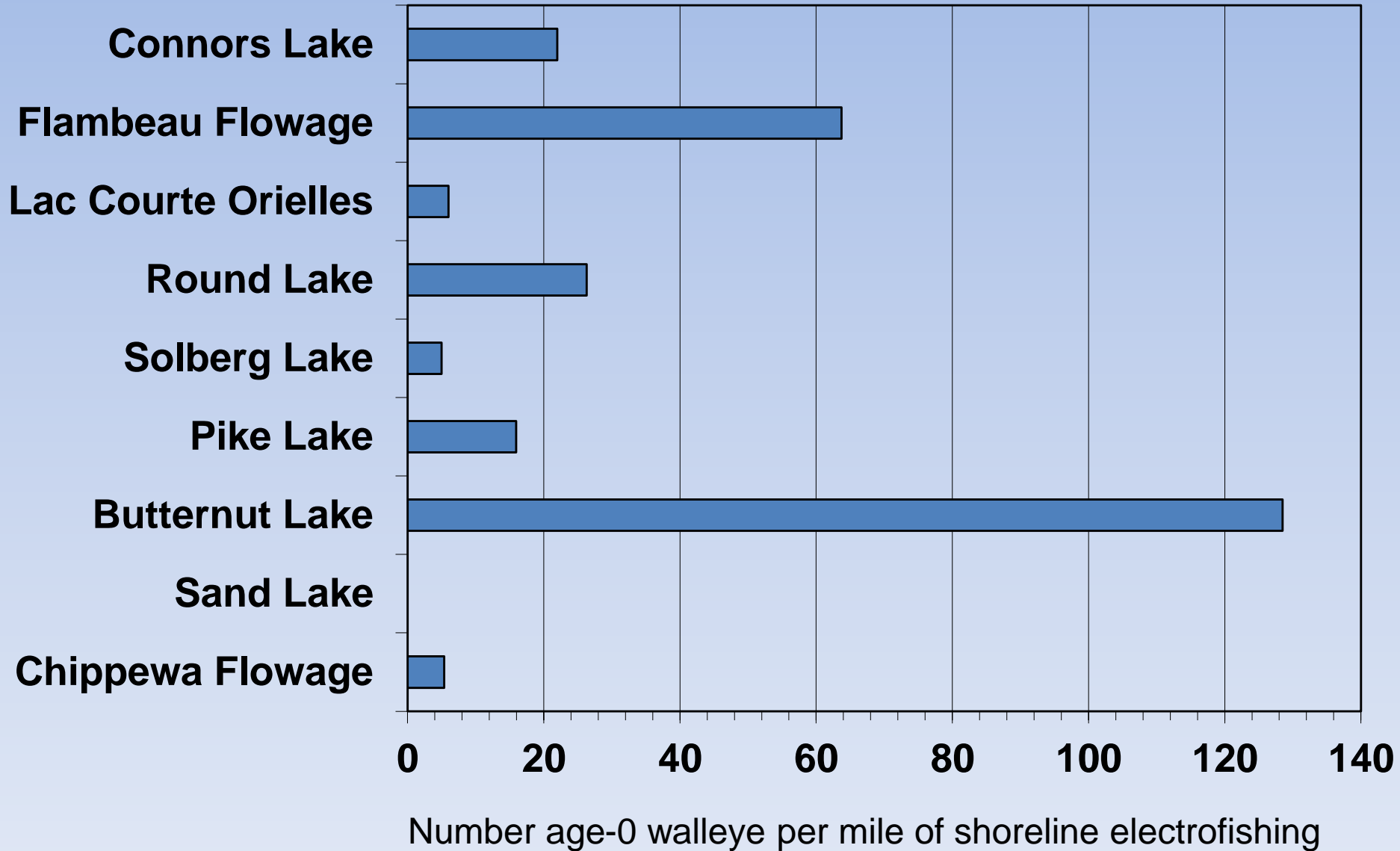


# Walleye Recruitment in Connors Lake

## Fall Electrofishing Surveys 1993-2015

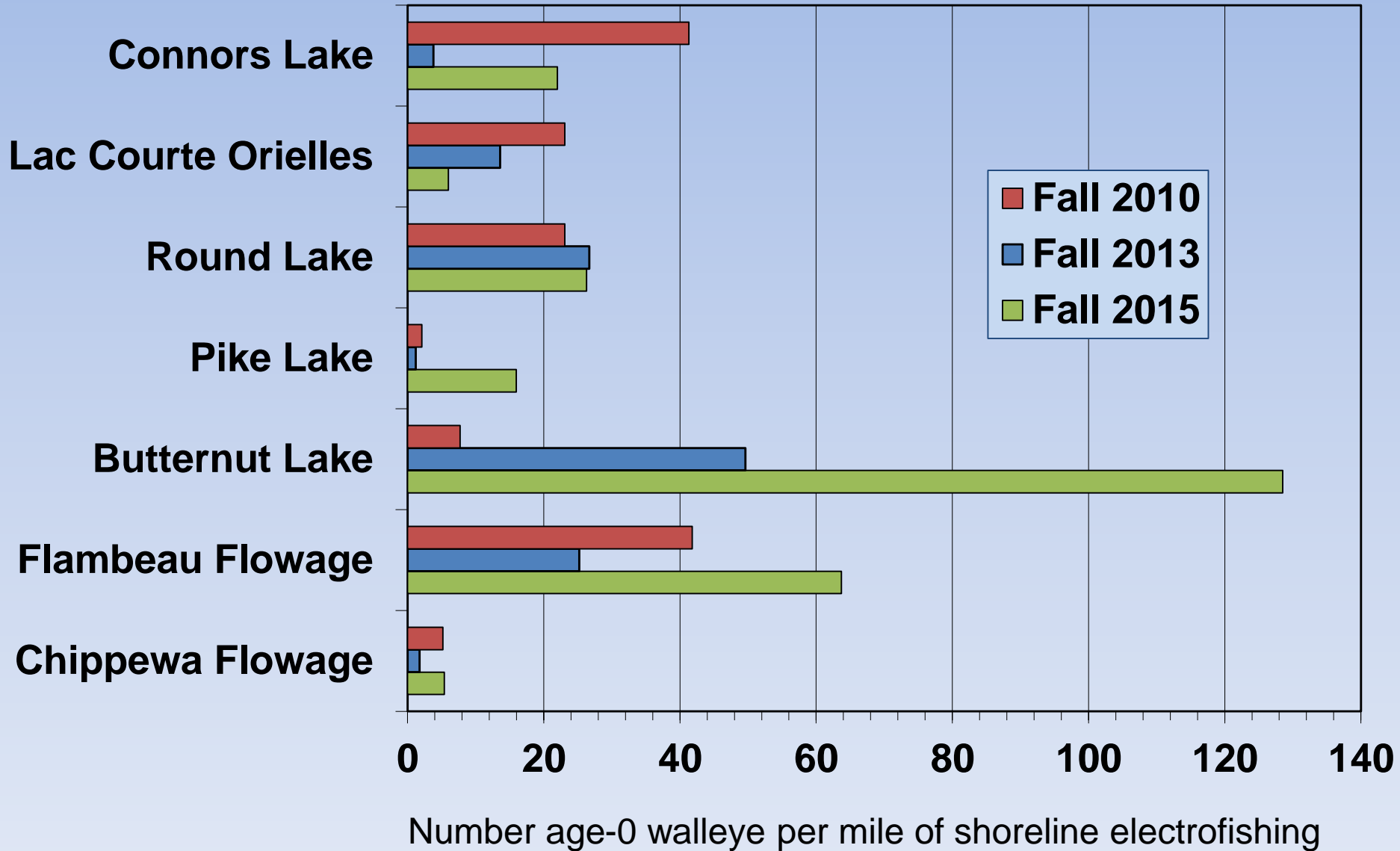


# Walleye recruitment in area lakes—Fall 2015



# Walleye recruitment in area lakes

Fall 2010, 2013, and 2015



# Lake of the Pines

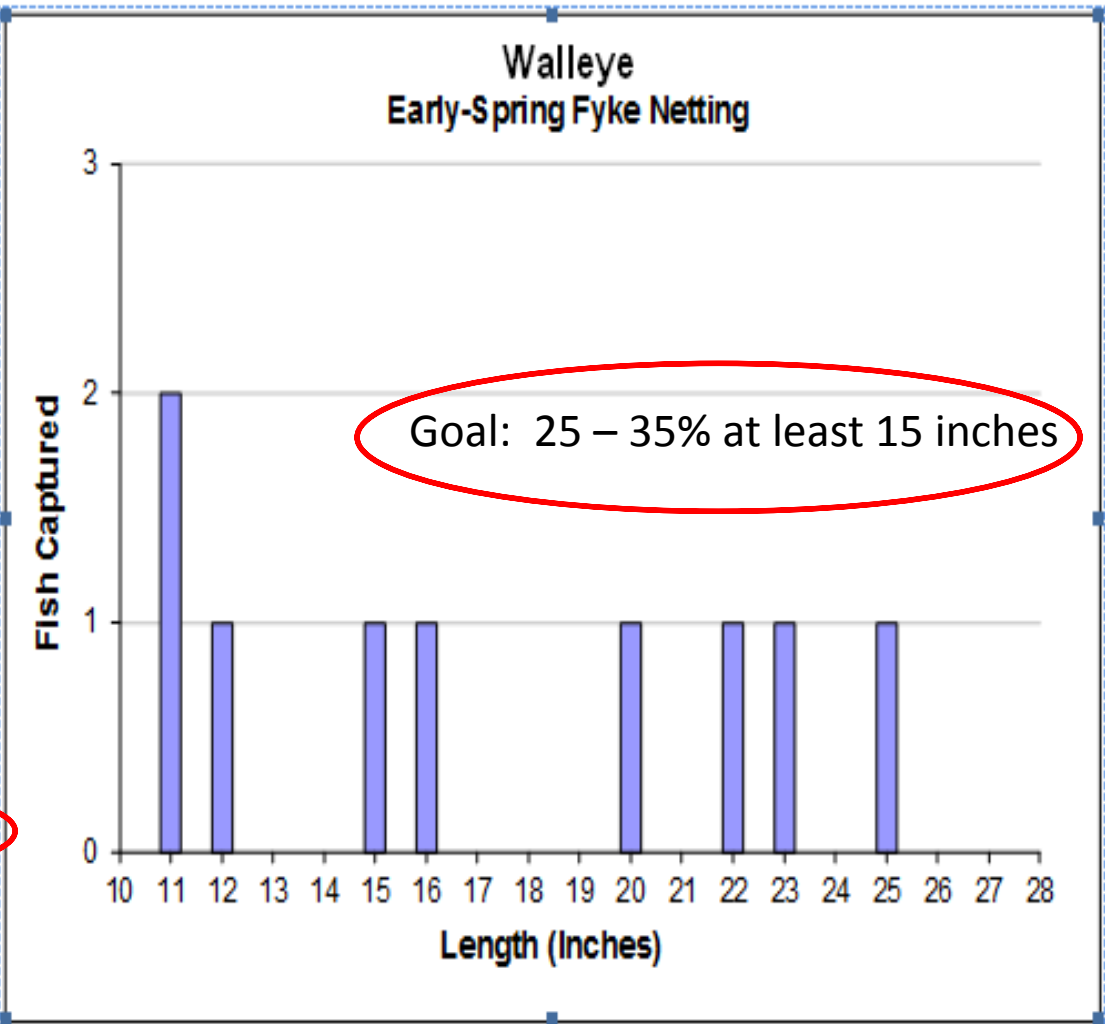
Year	Population Estimate	Number per Acre
2013	69	0.3

Goal: 3 – 5 adult walleyes per acre



# Lake of the Pines

# Walleye

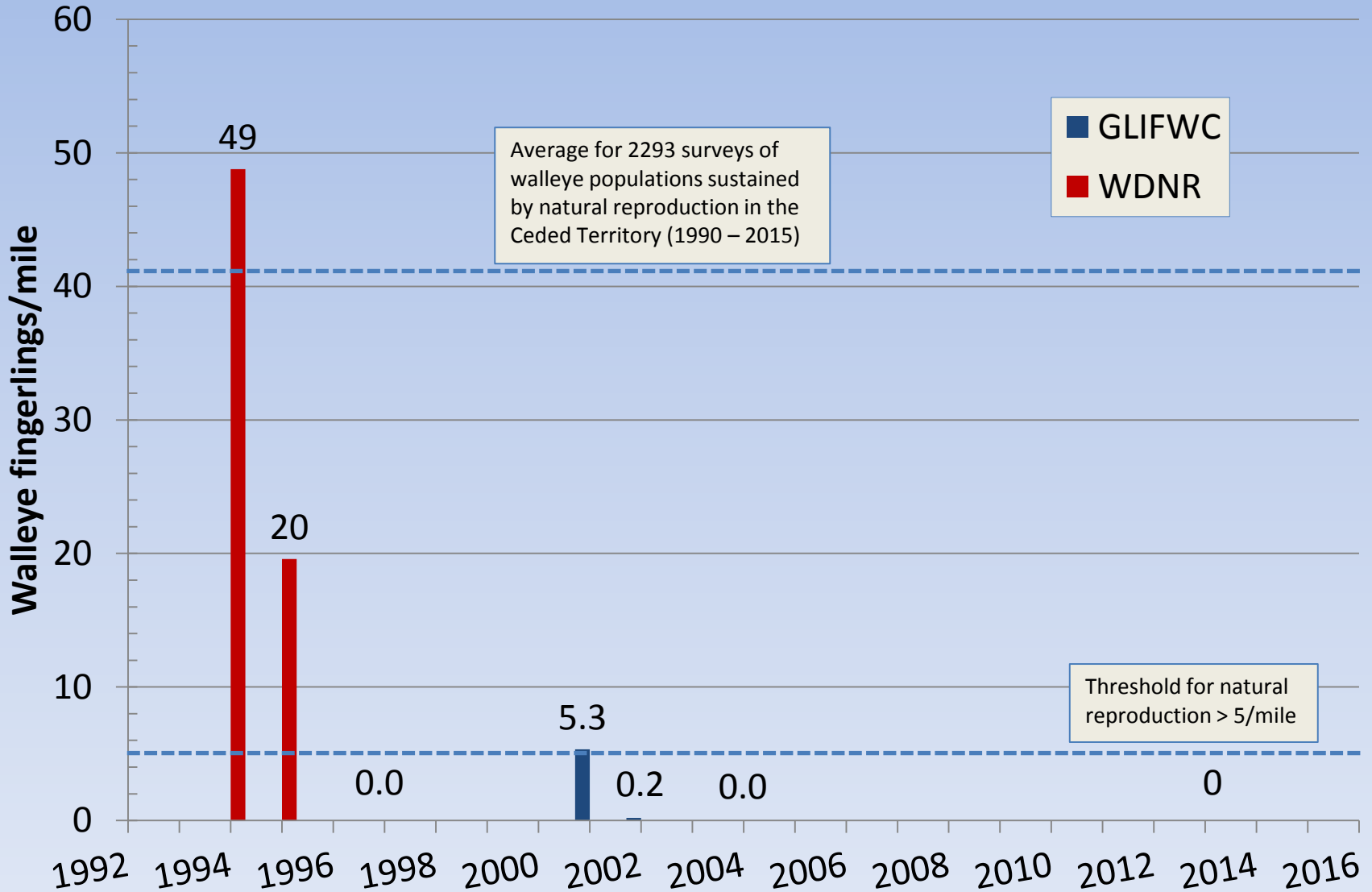


## Early Spring Fyke Nets

Captured 0.4 per net-night > 10"	
Quality Size $\geq 15"$	67%
Preferred Size $\geq 20"$	44%
Memorable Size $\geq 25"$	11%

# Walleye Recruitment in Lake of the Pines

## Fall Electrofishing Surveys 1993-2015



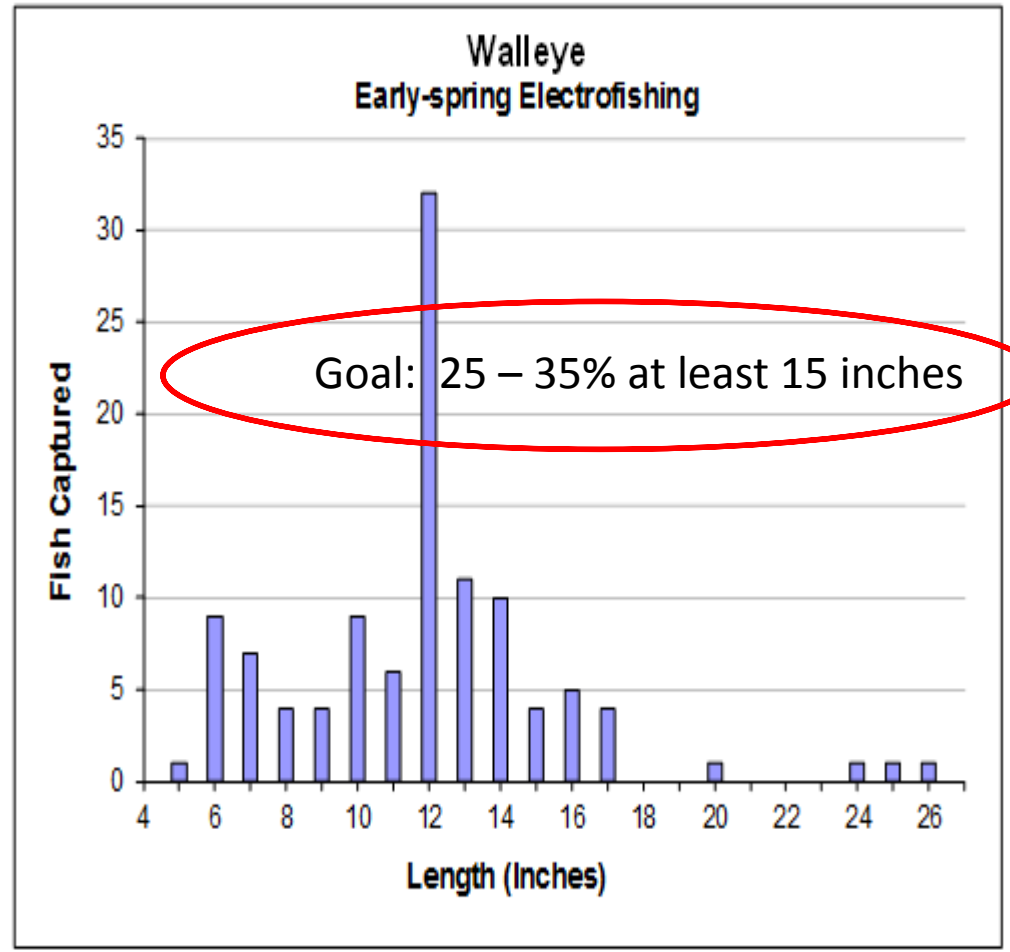
# Lake of the Pines

# Walleye



## Early Spring Electrofishing

Captured 17 per mile or 49 per hour $\geq 10''$	
Quality Size $\geq 15''$	20%
Preferred Size $\geq 20''$	5%
Memorable Size $\geq 25''$	2%



# Fish Stocking – Lake of the Pines

## WISCONSIN DNR FISHERIES INFORMATION SHEET



**County:** SAWYER  
**Lake Name:** LAKE OF THE PINES  
**WBIC:** 2275300  
**Survey Year:** 2013

WDNR Fish Biologist Contact Information

Max Wolter - Hayward - 715-634-9858

### Lake Characteristics

**Lake Type:** DEEP LOWLAND DRAINAGE

**Acres:** 273

**Shoreline miles:** 4.5

**Maximum Depth (feet):** 39

### Fish Stocking History

Year	Species	Strain	Age Class	Number Fish Stocked
1996	MUSKELLUNGE	Unspecified	LARGE FINGERLING	546
1997	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	137
2000	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	137
2001	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	273
2003	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	273
2005	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	276
2005	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	273
2007	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	182
2009	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	273
2011	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	137
2013	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	137
2014	WALLEYE	MISSISSIPPI HEADWATERS	LARGE FINGERLING	4091
2015	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	147





# Muskellunge

## Goals:

- 0.1 – 0.2 adults/acre.
- 10 – 20%  $\geq$  42"



# Fish Stocking – Connors Lake

## WISCONSIN DNR FISHERIES INFORMATION SHEET



**County:** SAWYER  
**Lake Name:** CONNORS LAKE  
**WBIC:** 2275100  
**Survey Year:** 2015

WDNR Fish Biologist Contact Information

Max Wolter - Hayward - 715-634-9658

### Lake Characteristics

**Lake Type:** DEEP LOWLAND DRAINAGE

**Acres:** 429

**Shoreline miles:** 5

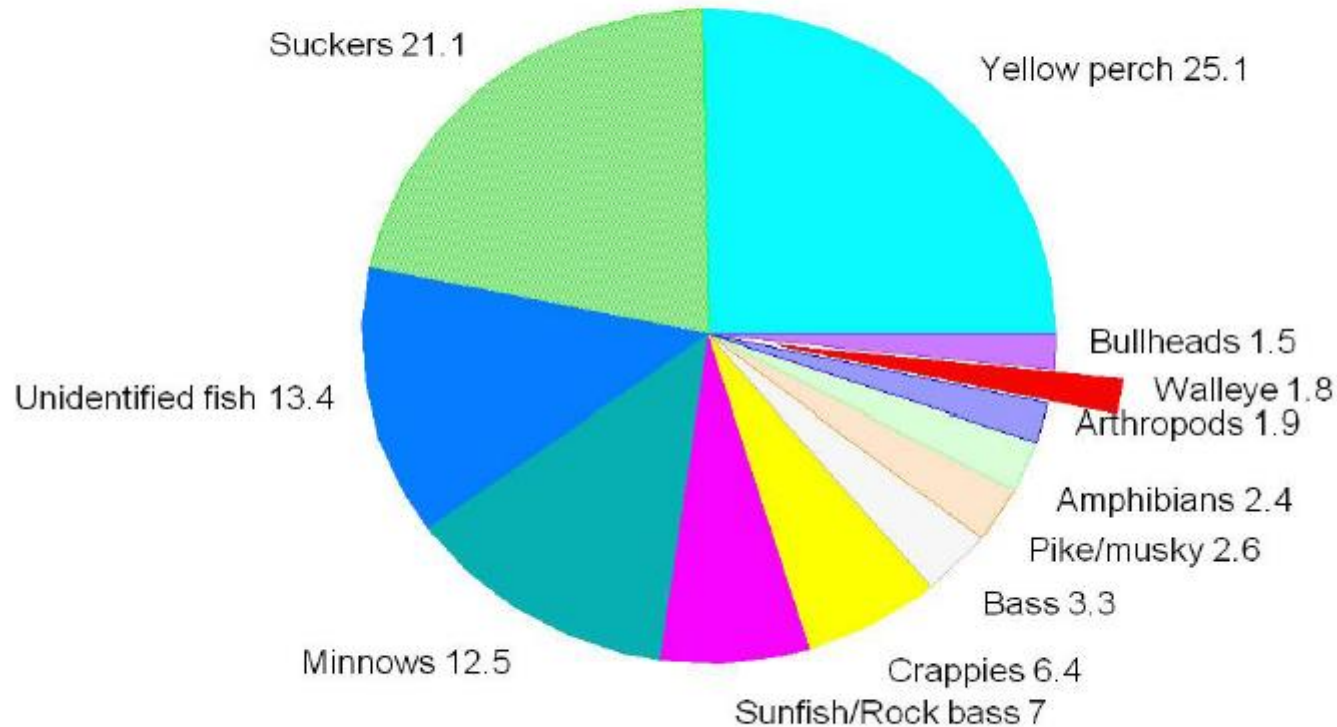
**Maximum Depth (feet):** 82

### Fish Stocking History

Year	Species	Strain	Age Class	Number Fish Stocked
1996	MUSKELLUNGE	UNSPECIFIED	FINGERLING	429
1997	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	108
2000	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	215
2002	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	429
2004	MUSKELLUNGE	UNSPECIFIED	LARGE FINGERLING	427
2006	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	235
2008	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	429
2010	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	189
2012	MUSKELLUNGE	UPPER CHIPPEWA RIVER	LARGE FINGERLING	429

# Relative Importance of Various Prey Items

1,092 muskellunge stomachs, 1991-1994 (717 empty)

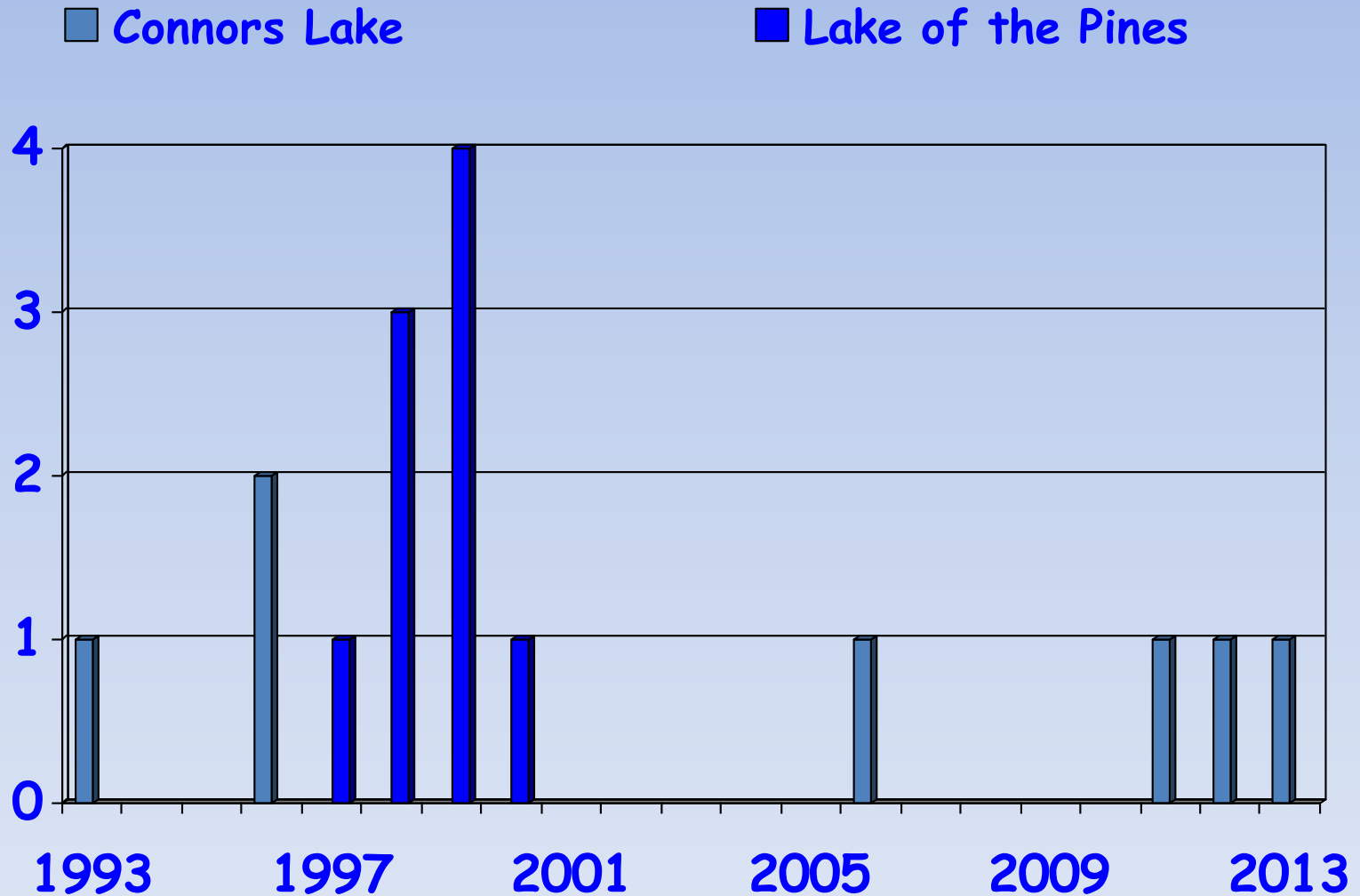


***Muskellunge Diet and Community Interactions*** - Bozek et al. (1999) examined the food habits of Wisconsin muskellunge. Thirty-four muskellunge lakes were sampled over a 4-year period, with 1,092 muskellunge (8 to 46 inches in length) examined. Fish comprised 98% of the diet. Yellow perch (30%) and white sucker (8.4%) were the major prey items; minnows and panfish were also important. Bass and walleye were relatively unimportant. Only 6 walleye (0.9% of the diet items; 0.5% of muskellunge sampled) and 17 bass (2.9% of the diet items; 1.6% of muskellunge sampled) were found in all the samples.

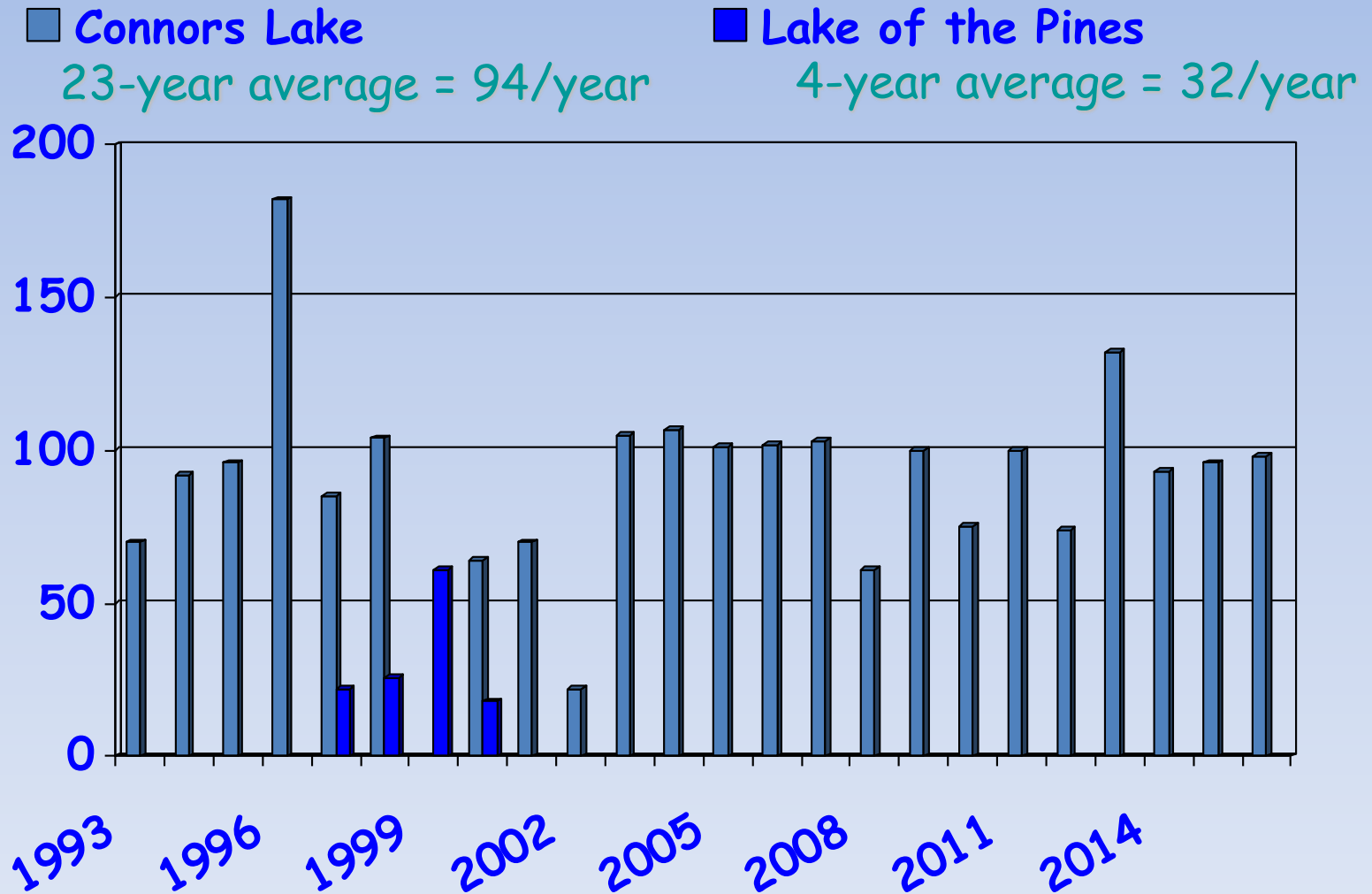
# 2016 Tribal Declarations and Harvest Connors Lake

	Safe Harvest	Declared	Harvest
Walleye	156	93	98
Muskellunge	10	5	--

# Tribal Muskellunge Harvest since 1985



# Tribal Walleye Harvest since 1985



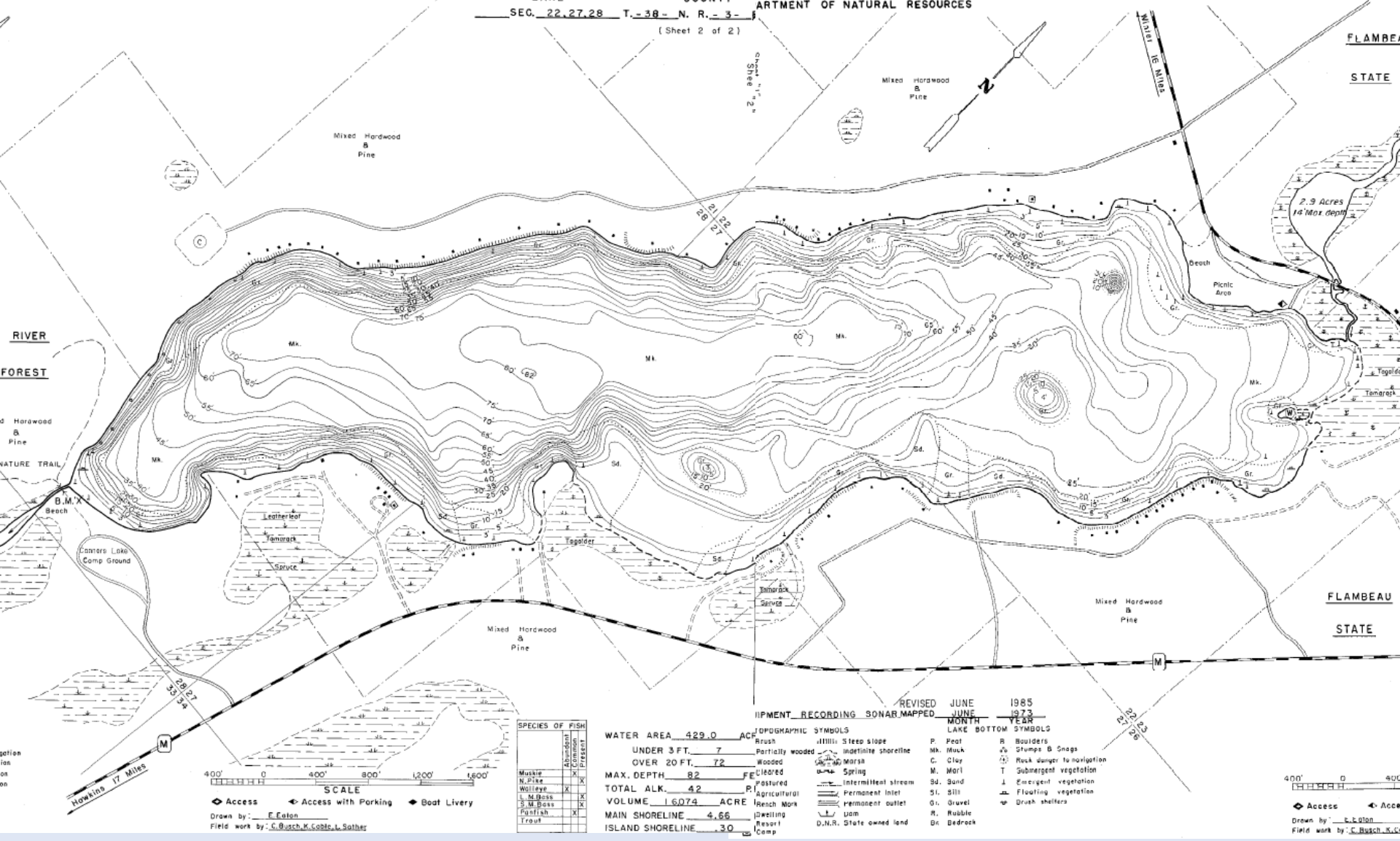


# Connors Lake

LAKE SURVEY MAP

CONNORS LAKE SAWYER COUNTY STATE OF WISCONSIN  
 DEPARTMENT OF NATURAL RESOURCES  
 SEC. 22, 27, 28 T. 38 - N. R. - 3 -  
 (Sheet 2 of 2)

LAKE SURVEY MAP



SPECIES OF FISH	
Abundant	Common
Muskie	X
N. Pike	X
Walleye	X
L. M. Bass	X
S. M. Bass	X
Panfish	X
Trout	

WATER AREA 429.0 AC  
 UNDER 3 FT. 7  
 OVER 20 FT. 72  
 MAX. DEPTH 82 FE  
 TOTAL ALK. 42 P.I.  
 VOLUME 1,607.4 ACRE  
 MAIN SHORELINE 4.66  
 ISLAND SHORELINE .30

REVISION RECORDING SONAR MAPPED JUNE 1985  
 MONTH YEAR  
 JUNE 1973  
 MONTH YEAR

TOPOGRAPHIC SYMBOLS  
 Brush  
 Partly wooded  
 Wooded  
 Marsh  
 Spring  
 Pastured  
 Agricultural  
 Ranch Work  
 Boom  
 Dwelling  
 Resort  
 Camp

LAKE BOTTOM SYMBOLS  
 P. Peat  
 Mb. Muck  
 C. Clay  
 M. Marl  
 Sd. Sand  
 Sl. Silt  
 Gr. Gravel  
 R. Rubble  
 Dr. Bedrock

LAKE BOTTOM SYMBOLS  
 J. Jilili: Steep slope  
 S. S. Siltstone shoreline  
 W. W. Marsh  
 S. Spring  
 I. Intermitent stream  
 P. Permanent inlet  
 O. Permanent outlet  
 D.N.R. State owned land

LAKE BOTTOM SYMBOLS  
 R. Boulders  
 S. Stumps & Snags  
 C. Rock danger to navigation  
 T. Submergent vegetation  
 E. Emergent vegetation  
 F. Floating vegetation  
 D. Drush shelters

SCALE  
 0 400' 800' 1200' 1600'  
 Access Access with Parking Boat Livery  
 Drawn by: E. Eaton  
 Field work by: C. Busch, K. Coble, L. Sather

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