Lake Madison Survey Summary

Lake Madison, located 5 miles southeast of Madison, SD, is managed as a walleye and yellow perch fishery; other fish species (e.g., bluegill, northern pike, black crappie, smallmouth bass, and white bass) are also present.

- **Walleye**. Walleye abundance increased for the first time in several years to a catch rate of 1.2 fish per gill net in 2023. Abundance had been steadily declining from the high observed in 2017 (3.3 fish per net) to the low observed in 2022 (0.7 fish per net). Netted fish ranged in length from 9.4 to 24.4 inches with a majority (61%) measuring >15 inches. The sample was comprised of 6 separate year classes of fish. The age 2 and age 6 cohorts were the most common, accounting for 30 and 26% of all fish sampled, respectively. Growth was good with fish averaging 16.7 inches in length by age 3. Walleye are stocked into Lake Madison on a semiannual basis with the most recent stockings occurring in 2023 and 2021.

- **Yellow Perch**. Gill netting efforts produced 6.6 yellow perch per net in 2023. Relative abundance was higher than the previous year (4.6 fish per net) but a bit below the long term mean (8.3 fish per net). Sampled fish ranged from 5.5 to 13.4 inches in length with a majority (87%) measuring <8 inches. Some preferred (>10 inches) and memorable (>12 inches) length fish were present in the sample, however. Their above average condition score (Wr = 119) indicates that these fish were quite "plump" and healthy.

- **Bluegill.** Bluegill abundance decreased to 1.2 fish per frame net in 2023. Relative abundance has been declining since the recent high observed in 2021 (6.0 fish per net). Size structure remains quite impressive, though, with 83% of fish sampled measuring >8 inches. In fact, no other lake in the southeast region produced more of these preferred length (>8 inches) bluegill. Their above average condition score (Wr = 122) indicates that they were also very plump and healthy. Despite the recent decline in catches, Lake Madison remains a great option for any angler targeting large bluegill in the southeast region.

- **White Bass**. Gill netting efforts yielded 5.3 white bass per net in 2023 which is the highest catch rate in the region. Relative abundance was close to the previous year and the long term mean (5.4 and 6.3 fish per net, respectively). Netted fish ranged from 8.7 to 16.5 inches in length with a majority (71%) measuring >12 inches. Memorable length fish (>15 inches) also comprised a substantial proportion of the sample (37%). Lake Madison is an excellent option for anglers targeting large white bass.

For more detailed results see the computer-generated South Dakota Statewide Fisheries Survey for Lake Madison (below).

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY
Madison, Lake County
LBS-Lake-135-000
2023

Lake Information

Name: Madison

County: Lake

Legal Description: T106-R51,52-Sec. 21-23, 25-27, 29, 30-32

OHWM Elevation: 1,604

Surface Area: 2,703 Acres

Outlet Elevation: 1,603

Surveys and Investigations

Survey methods used by gear type, date, and effort.

Gear	Date	Effort
AFS std gill net	Jul 18, 2023	10 net-nights
AFS std gill net	Jul 19, 2023	10 net-nights
frame net (std 3/4 in)	Jul 18, 2023	5 net-nights
frame net (std 3/4 in)	Jul 19, 2023	5 net-nights

Common Fish Species Present

Walleye

Bigmouth Buffalo

Yellow Perch

Black Bullhead

White Bass

Smallmouth Bass

Common Carp

Bluegill

White Sucker

Black Crappie

Terminology

Catch per unit effort (**CPUE**) refers to the relative abundance of a species. It is defined as the number of fish captured per unit of effort (i.e., number of fish captured per net-night or number of fish captured per hour electrofishing). In this report CPUE is typically given for only stock-length fish (see length categories table for stock lengths).

A statewide effort to help make netting efforts comparable to all waters sampled across the state, occurred in 2017, with a switch to American Fisheries Society gill nets. Past gill netting efforts were completed with different style/types of nets and are not comparable side by side.

- **AFS std gill net** – 80 ft experimental gill net containing eight panels (10 ft each) of varying monofilament meshes of 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25 and 2.50 inches.
- **std experimental gill net for non-Missouri River waters** - 150 ft experimental gill net containing six panels (25 ft each) of varying monofilament meshes of 0.5, 0.75, 1.00, 1.25, 1.50 and 2.00 inches.
- s**td experimental gill net for Missouri River reservoirs** – 300 ft experimental gill net containing six panels (50 ft each) of varying multifilament meshes of 0.5, 0.75, 1.00, 1.25, 1.50 and 2.00 inches.

$$CPUE = \frac{number\ of\ fish}{effort}$$

Population size structure is quantified using the indices proportional size distribution of quality-length fish (**PSD**) and proportional size distribution of preferred-length fish (**PSD-P**). These indices indicate the proportion of stock-length fish that are equal to or greater than a given length. Minimum lengths for stock, quality and preferred length fish are given in the length categories table.

$$PSD = \left(\frac{number\ of\ fish \geq quality\ length}{number\ of\ fish \geq stock\ length}\right) \text{x } 100$$

$$PSD - P = \left(\frac{number\ of\ fish \geq preferred\ length}{number\ of\ fish \geq stock\ length}\right) \text{x } 100$$

Relative weight (**Wr**) is used to quantify fish plumpness. Relative weight is the ratio of what a fish weighs (W) compared to a length-specific standard weight (Ws) multiplied by 100. Relative weight values of 95-105 are commonly cited as optimum values, but values in the 80s are common during summer sampling in South Dakota.

$$Wr = \left(\frac{W}{Ws}\right) \text{x } 100$$

Confidence intervals (**CI**) are provided for many of the estimates calculated in this report. The confidence interval provides a range in which the true mean is expected to fall. For example, with an 80% CI we are 80% confident that the interval contains the true value.

Length categories include stock (**S**), quality (**Q**), preferred (**P**), memorable (**M**) and trophy (**T**). Length categories for most species have been defined based on a percentage of the world record length for that species. Some species mentioned in this report do not have defined length categories. Length categories for species used in this report are provided in the following table. Measurements are the minimum total length for each category and are reported in inches (in) and centimeters (cm).

	Stock		Quality		Preferred		Memorable		Trophy	
Species Name	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)
Black Bullhead	6	15	9	23	12	30	15	38	18	46
Black Crappie	5	13	8	20	10	25	12	30	15	38
Bluegill	3	8	6	15	8	20	10	25	12	30
Brown Trout	8	20	12	30	16	40	20	50	18	46
Channel Catfish	11	28	16	41	24	61	28	71	36	91
Freshwater Drum	8	20	12	30	15	38	20	51	25	63
Lake Trout	12	30	20	50	26	65	31	80	39	100
Largemouth Bass	8	20	12	30	15	38	20	51	25	63
Muskellunge	20	51	30	76	38	97	42	107	50	127
Northern Pike	14	35	21	53	28	71	34	86	44	112
Pumpkinseed	3	8	6	15	8	20	10	25	12	30
Rainbow Trout	10	25	16	40	20	50	26	65	31	80
Rudd	6	15	10	25	12	30	15	38	19	48
Sauger	8	20	12	30	15	38	20	51	25	63
Smallmouth Bass	7	18	11	28	14	35	17	43	20	51
Walleye	10	25	15	38	20	51	25	63	30	76
White Bass	6	15	9	23	12	30	15	38	18	46
White Crappie	5	13	8	20	10	25	12	30	15	38
Yellow Bullhead	4	10	7	18	9	23	11	28	14	36
Yellow Perch	5	13	8	20	10	25	12	30	15	38

Catch Summary of Stock Length Fish

Catch per unit effort (CPUE), proportional size distribution (PSD), proportional size distribution of preferred length fish (PSD-P), and relative weight (Wr) for species sampled in survey with 80% confidence interval (CI-80).

*** Methods/Species that ignore stock length**

			Abundance		Stock Density Indices				Condition	
Gear	Species	Sample Size (n)	CPUE	CI-80	PSD	CI-80	PSD-P	CI-80	Wr	CI-80
AFS std gill net	Bigmouth Buffalo	31	1.6	0.8	90		16			
	Black Bullhead	28	1.4	0.5	86		25	13		
	Common Carp	23	1.2	0.4	91		87			
	Northern Pike	5	0.3	0.1	100		100		83	2
	Smallmouth Bass	1	0.1	0.1	0		0		94	
	Walleye	24	1.2	0.3	61	16	22	14	86	1
	White Bass	105	5.3	1.1	98		86	5	93	1
	White Sucker	22	1.1	0.4	95		91			
	Yellow Perch	138	6.9	1.1	17	5	12	4	119	3
frame net (std 3/4 in)	Bigmouth Buffalo	100	9.8	4.0	98		33	7		
	Black Bullhead	62	6.0	1.9	92		68	9		
	Black Crappie	8	0.8	0.5	100		100		101	5
	Bluegill	12	1.2	0.8	100		83		122	6
	Common Carp	13	1.2	0.7	100		100			
	Northern Pike	8	0.8	0.3	100		75		76	11
	Smallmouth Bass	31	3.0	1.3	70	13	37	14	93	4
	Sunfish Hybrid	1	0.1	0.1	0		0		181	
	Walleye	2	0.2	0.2	100		0		80	3
	White Bass	57	5.7	2.3	100		93		86	2
	White Sucker	2	0.2	0.2	100		100			
	Yellow Perch	2	0.2	0.3	0		0		107	11

10-Year Catch Per Unit Effort by Gear and Species

Catch per unit effort (CPUE) and average (Avg) of species across 10 years using different gear types.

*** Methods/Species that ignore stock length**

		CPUE										
Gear	Species	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg
AFS std frame net	Bigmouth Buffalo				1.2							1.20
	Black Bullhead				2.9							2.90
	Black Crappie				1.4							1.40
	Bluegill				0.5							0.50
	Common Carp				3.1							3.10
	Northern Pike				0.4							0.40
	Smallmouth Bass				1.9							1.90
	Sunfish Hybrid				0.6							0.60
	Walleye				0.9							0.90
	White Bass				1.5							1.50
	White Sucker				0.7							0.70
AFS std gill net	Bigmouth Buffalo				1.1	0.7	1.1	1.6	1.0	0.1	1.6	1.03
	Black Bullhead				4.9	3.7	1.7	5.0	4.1	3.3	1.4	3.44
	Black Crappie				0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.03
	Bluegill				0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.06
	Common Carp				3.6	2.0	1.6	0.9	0.7	0.7	1.2	1.53
	Northern Pike				0.0	0.1	0.0	0.1	0.5	0.2	0.3	0.17
	Smallmouth Bass				0.3	0.5	0.0	0.2	0.0	0.2	0.1	0.19
	Walleye				3.3	2.7	2.9	2.2	1.0	0.7	1.2	2.00
	White Bass				6.6	9.8	9.5	4.4	3.2	5.4	5.3	6.31
	White Sucker				8.5	3.7	2.2	4.2	8.8	8.1	1.1	5.23
	Yellow Perch				9.4	11.4	8.2	11.8	6.0	4.6	6.9	8.33
fall night EF-WAE*	Walleye	31.0	10.0									20.50
	Yellow Perch	0.0	0.0									0.00
frame net (std 3/4 in)	Bigmouth Buffalo	8.0	9.3	9.1		6.2	1.8	3.3	22.0	3.6	9.8	8.12
	Black Bullhead	301.9	61.0	21.5		14.0	4.8	29.9	8.5	30.6	6.0	53.13
	Black Crappie	2.1	1.7	3.6		4.1	0.6	1.3	2.1	1.2	0.8	1.94
	Bluegill	8.6	1.7	3.8		2.7	2.3	3.7	6.0	4.3	1.2	3.81
	Common Carp	16.6	14.2	7.6		12.6	6.1	7.7	3.5	1.6	1.2	7.90
	Green Sunfish	0.4	0.2	0.1		0.0	0.7	0.1	0.0	0.1	0.0	0.18
	Northern Pike	0.2	0.3	0.1		0.4	0.3	1.0	1.6	1.0	0.8	0.63
	Smallmouth Bass	3.5	0.9	2.4		5.3	6.3	4.2	4.3	3.3	3.0	3.69
	Sunfish Hybrid	0.8	0.2	0.0		0.5	0.0	0.1	0.6	0.0	0.1	0.26
	Walleye	0.2	0.7	1.7		0.8	0.3	0.6	3.0	0.4	0.2	0.88

		CPUE										
Gear	Species	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg
frame net (std 3/4 in)	White Bass	0.0	0.5	4.8		0.8	2.2	4.2	15.0	12.0	5.7	5.02
	White Sucker	0.8	3.4	2.5		0.4	0.0	6.6	2.6	16.1	0.2	3.62
	Yellow Perch	2.2	0.4	0.8		1.9	0.4	1.6	0.5	0.0	0.2	0.89
std exp gill net	Bigmouth Buffalo	0.8	0.8	0.0								0.53
	Black Bullhead	63.4	91.0	7.8								54.07
	Black Crappie	0.2	0.3	0.0								0.17
	Bluegill	0.0	0.5	0.0								0.17
	Channel Catfish	0.2	0.3	0.2								0.23
	Common Carp	1.4	3.5	2.2								2.37
	Green Sunfish	0.0	0.0	0.0								0.00
	Northern Pike	0.2	0.0	0.2								0.13
	Smallmouth Bass	0.6	0.0	0.0								0.20
	Spottail Shiner	0.0	0.0	0.0								0.00
	Walleye	7.0	7.3	17.8								10.70
	White Bass	0.8	0.8	0.8								0.80
	White Sucker	20.0	11.0	13.6								14.87
	Yellow Perch	24.2	8.3	15.6								16.03

10-Year Size Structure and Condition Statistics by Gear and Species

Species proportional size distribution (PSD), proportional size distribution of preferred length fish (PSD-P), and relative weight (Wr) collected by different gear types across 10 years.

			Year									
Gear	Species	Index	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
AFS std frame net	Bigmouth Buffalo	PSD				83						
		PSD-P				8						
	Black Bullhead	PSD				100						
		PSD-P				79						
	Black Crappie	PSD				43						
		PSD-P				36						
		Wr				111						
	Bluegill	PSD				80						
		PSD-P				20						
		Wr				144						
	Common Carp	PSD				100						
		PSD-P				32						
	Smallmouth Bass	PSD				53						
		PSD-P				16						
		Wr				89						
	Walleye	PSD				44						
		PSD-P				0						
		Wr				76						
	White Bass	PSD				87						
		PSD-P				73						
		Wr				85						
	White Sucker	PSD				100						
		PSD-P				100						
AFS std gill net	Bigmouth Buffalo	PSD				27	57	0	19	40	100	90
		PSD-P				0	14	0	6	0	100	16
	Black Bullhead	PSD				98	100	76	86	80	63	86
		PSD-P				80	95	59	18	27	20	25
	Black Crappie	PSD					50					
		PSD-P					0					
		Wr					102					
	Bluegill	PSD				100	100					
		PSD-P				33	100					
		Wr				119	118					

			Year									
Gear	Species	Index	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
AFS std gill net	Common Carp	PSD				100	100	94	78	100	100	91
		PSD-P				22	90	88	56	43	100	87
	Smallmouth Bass	PSD				0	20		100		50	0
		PSD-P				0	20		0		50	0
		Wr				94	90		79		94	94
	Walleye	PSD				52	30	21	41	20	33	61
		PSD-P				9	19	3	9	10	0	22
		Wr				80	83	85	84	78	80	86
	White Bass	PSD				86	100	92	89	100	100	98
		PSD-P				35	97	80	73	72	96	86
		Wr				93	87	87	90	85	82	93
	White Sucker	PSD				98	78	95	98	100	100	95
		PSD-P				94	78	91	79	91	100	91
	Yellow Perch	PSD				44	75	40	78	90	61	17
		PSD-P				26	48	33	25	57	51	12
		Wr				105	107	109	111	111	100	119
frame net (std 3/4 in)	Bigmouth Buffalo	PSD	66	13	84		90	83	48	78	97	98
		PSD-P	10	3	8		18	33	15	18	31	33
	Black Bullhead	PSD	25	90	97		97	98	95	96	80	92
		PSD-P	16	16	30		91	88	43	34	37	68
	Black Crappie	PSD	14	100	100		100	100	92	95	100	100
		PSD-P	14	12	86		56	83	92	38	100	100
		Wr	107	107	106		100	101	100	104	96	101
	Bluegill	PSD	6	100	97		100	100	97	98	98	100
		PSD-P	2	6	97		48	78	30	62	77	83
		Wr	125	118	115		111	118	121	121	116	122
	Common Carp	PSD	8	85	87		99	98	92	97	94	100
		PSD-P	7	4	37		84	90	26	17	94	100
	Smallmouth Bass	PSD	0	0	38		32	57	60	67	76	70
		PSD-P	0	0	0		8	13	7	21	48	37
		Wr	100	97	97		88	90	89	90	85	93
	Walleye	PSD	50	29	0		50	33	17	0	50	100
		PSD-P	0	14	0		13	0	0	0	0	0
		Wr	83	79	81		84	80	82	84	80	80
	White Bass	PSD		60	98		100	100	93	100	100	100
		PSD-P		20	38		100	73	88	74	98	93
		Wr		92	92		84	89	85	85	83	86

			Year									
Gear	Species	Index	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
frame net (std 3/4 in)	White Sucker	PSD	50	100	100		100	0	100	100	100	100
		PSD-P	50	91	100		100	0	92	100	100	100
	Yellow Perch	PSD	9	100	13		63	50	94	100		0
		PSD-P	0	75	13		32	25	31	40		0
		Wr	93	98	97		108	106	96	104		107
std exp gill net	Bigmouth Buffalo	PSD	0	0								
		PSD-P	0	0								
	Black Bullhead	PSD	22	88	97							
		PSD-P	11	1	8							
	Black Crappie	PSD	0	100								
		PSD-P	0	0								
		Wr	116	117								
	Bluegill	PSD		100								
		PSD-P		100								
		Wr		110								
	Common Carp	PSD	0	100	91							
		PSD-P	0	14	73							
		Wr	58									
	Smallmouth Bass	PSD	33									
		PSD-P	33									
		Wr	99									
	Walleye	PSD	89	0	1							
		PSD-P	11	0	0							
		Wr	85	86	86							
	White Bass	PSD	100	0	100							
		PSD-P	100	0	25							
		Wr	91	98	97							
	White Sucker	PSD	38	98	94							
		PSD-P	26	64	91							
	Yellow Perch	PSD	3	82	37							
		PSD-P	2	24	36							
		Wr	106	110	108							

Length at Capture

Mean length at capture by age across years sampled, sample size (N).

Species: Walleye

		Mean Length (expanded sample number) at capture by age									
Year	N	1	2	3	4	5	6	7	8	9	10+
2023	23	254 (5)	357 (7)		424 (3)	425 (1)	548 (6)			425 (1)	
2022	8	248 (3)		358 (3)	412 (1)	460 (1)					
2021	10		294 (4)	364 (1)	363 (4)						535 (1)
2019	30	224 (1)	304 (19)	369 (5)		425 (3)	541 (2)				
2018	44	243 (27)	328 (6)	343 (1)	388 (4)	383 (1)		564 (1)			651 (4)
2017	34	254 (4)	255 (2)	373 (10)	397 (15)				669 (1)		645 (2)
2016	90	238 (1)	284 (56)	314 (32)	425 (1)						
2015	101	196 (48)	254 (53)								
2014	68	206 (37)	415 (1)	436 (8)	462 (19)	496 (1)	558 (2)				

Species: Yellow Perch

		Mean Length (expanded sample number) at capture by age									
Year	N	1	2	3	4	5	6	7	8	9	10+
2021	59	139 (4)	214 (7)	253 (37)	278 (3)	303 (6)	327 (1)		327 (1)		
2017	94	171 (53)	247 (28)	275 (1)	281 (12)						
2015	33	166 (6)	240 (27)								
2014	121	173 (119)	251 (1)		318 (1)						

Fish Condition

Mean relative weight (Wr) by sample size (N), length category stock to quality (S-Q), quality to preferred (Q-P), preferred to memorable (P-M), and memorable (M) for species collected across survey years with standard error (SE).

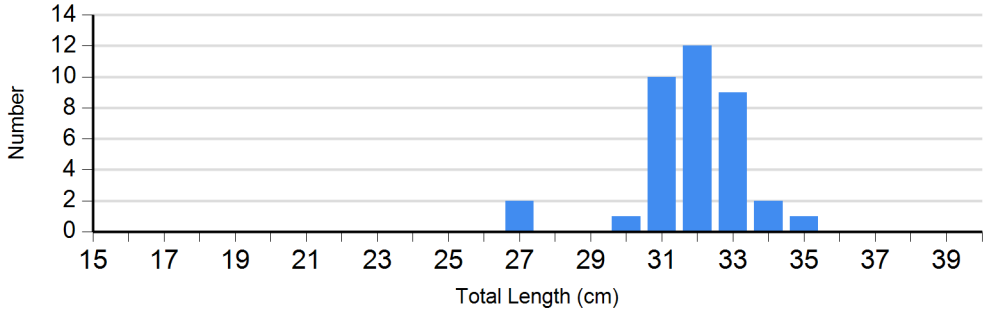
		Length Groups							
		S-Q		Q-P		P-M		M	
Species	Year	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Crappie Frame Net	2019	0		1	96	5	102 (3.7)	0	
	2020	1	139	0		12	97 (1.1)	0	
	2021	1	116	12	111 (2.8)	5	98 (2.3)	3	85 (2.0)
	2022	0		0		10	96 (1.9)	2	93 (1.1)
	2023	0		0		3	111 (4.6)	5	95 (3.7)
Bluegill Frame Net	2019	0		5	132 (7.0)	17	115 (2.0)	1	104
	2020	1		25	126 (1.6)	9	113 (2.8)	2	105 (6.3)
	2021	1		22	126 (1.4)	31	118 (1.7)	6	116 (3.6)
	2022	1	111	9	127 (3.9)	32	115 (1.9)	1	67
	2023	0		2	116 (5.3)	10	123 (5.2)	0	
Walleye Gill Net	2019	23	82 (0.9)	5	95 (6.6)	1	90	0	
	2020	13	80 (2.2)	7	88 (3.1)	1	85	1	111
	2021	8	82 (2.2)	1	83	1	45	0	
	2022	4	79 (1.8)	2	83 (3.0)	0		0	
	2023	9	90 (1.9)	9	83 (0.8)	5	84 (1.9)	0	
White Bass Gill Net	2019	8	96	11	95 (3.2)	75	87 (0.7)	1	85
	2020	5	98 (6.2)	7	97 (4.2)	31	87 (0.9)	1	74
	2021	0		9	86 (1.5)	22	84 (1.3)	1	87
	2022	0		2	87 (0.5)	45	82 (1.0)	2	76 (13.4)
	2023	2	95 (4.4)	13	100 (2.2)	71	92 (0.9)	19	88 (1.1)
Yellow Perch Gill Net	2019	49	107 (2.6)	6	118 (4.1)	19	112 (1.5)	8	100 (3.9)
	2020	26	110 (2.9)	63	110 (1.1)	20	114 (1.7)	9	108 (1.1)

		Length Groups							
		S-Q		Q-P		P-M		M	
Species	Year	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Yellow Perch Gill Net	2021	6	116 (4.8)	20	110 (2.7)	27	111 (1.1)	7	107 (3.8)
	2022	16	101 (1.6)	4	109 (8.8)	9	105 (2.3)	12	92 (5.3)
	2023	115	123 (2.1)	6		12	79 (13.2)	5	102 (2.4)

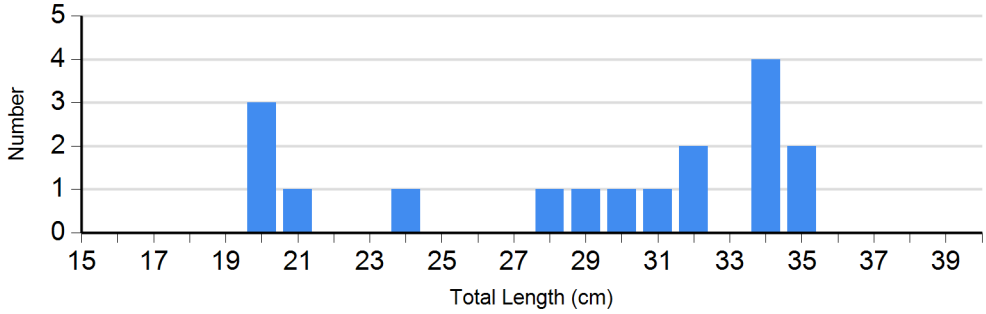
Length Frequency Distribution

Length frequency histogram of species sampled by year.

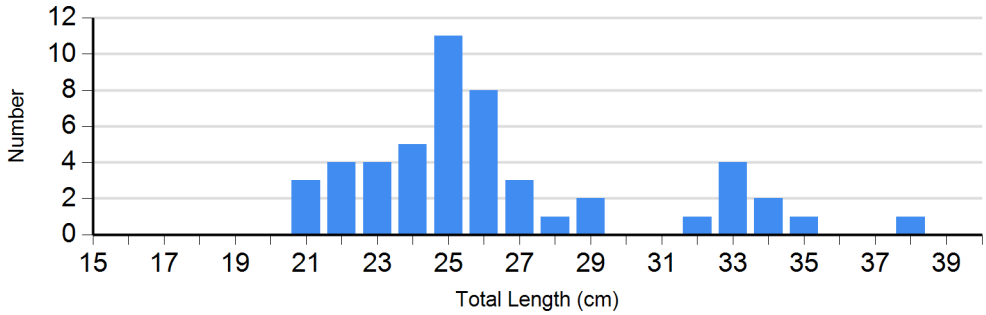
Species: Black Bullhead
Gear: AFS std gill net



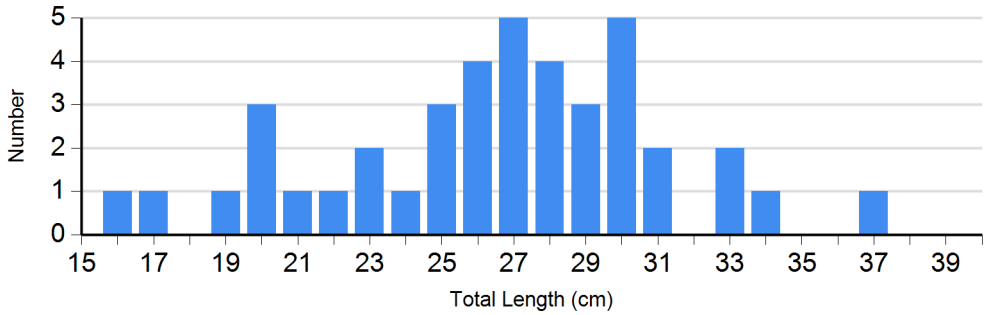
2018



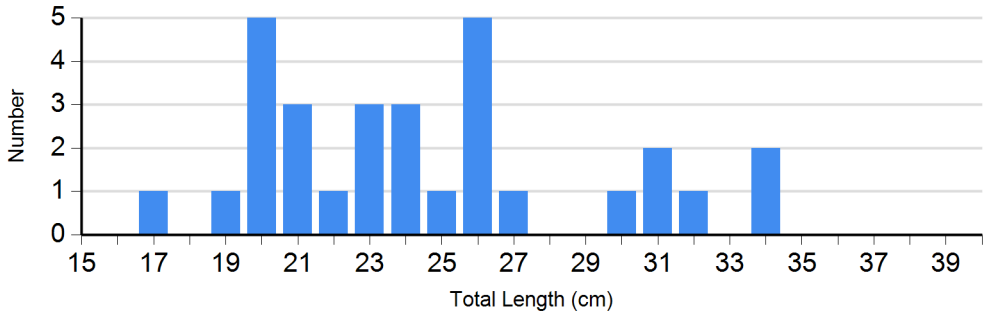
2019



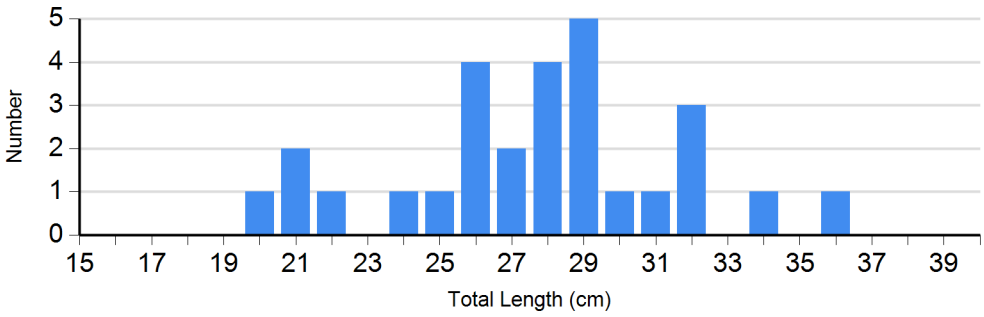
2020



2021

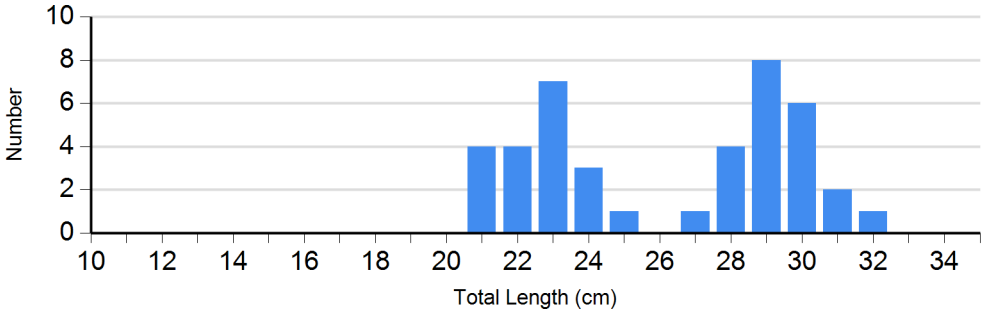


2022

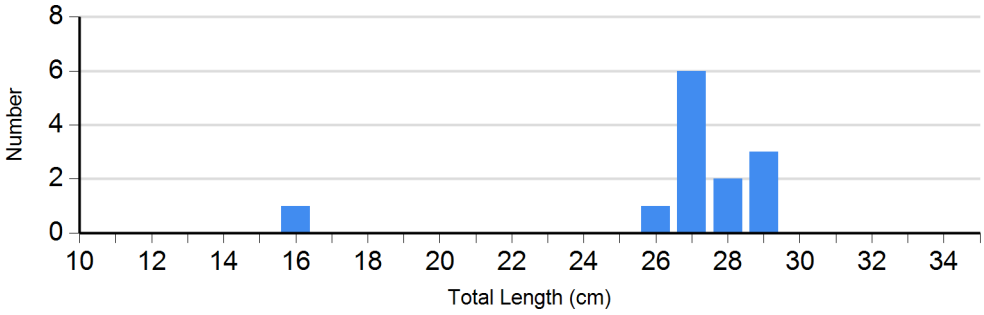


2023

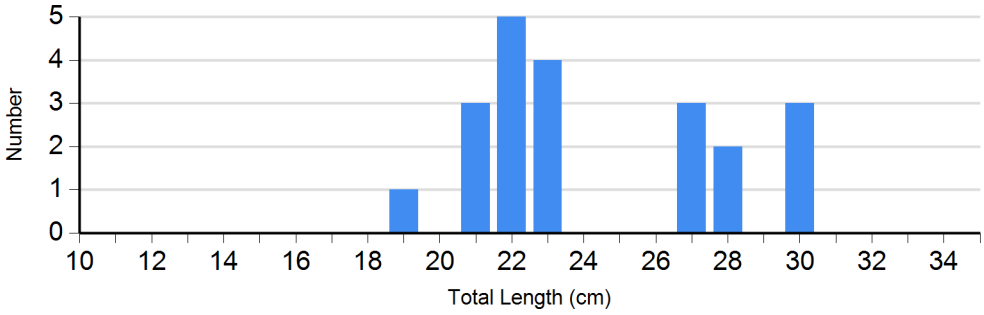
Species: Black Crappie
Gear: frame net (std 3/4 in)



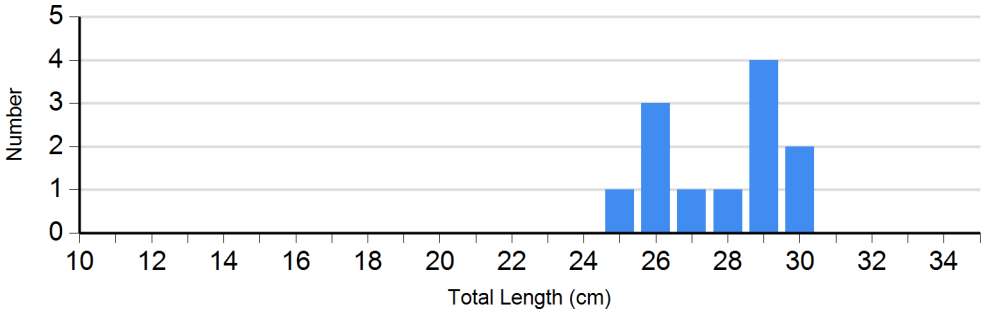
2018



2020



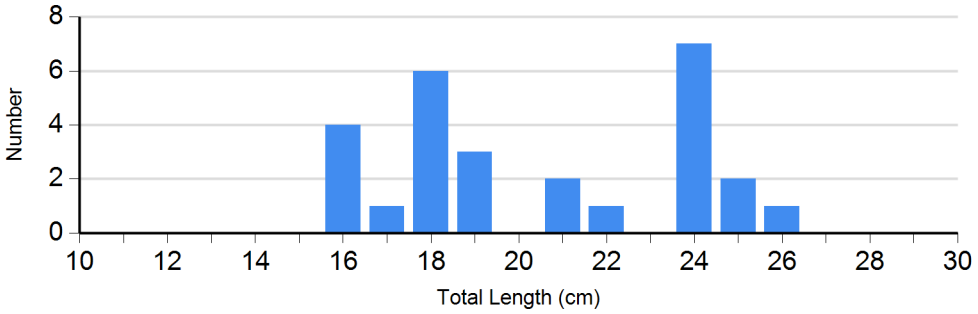
2021



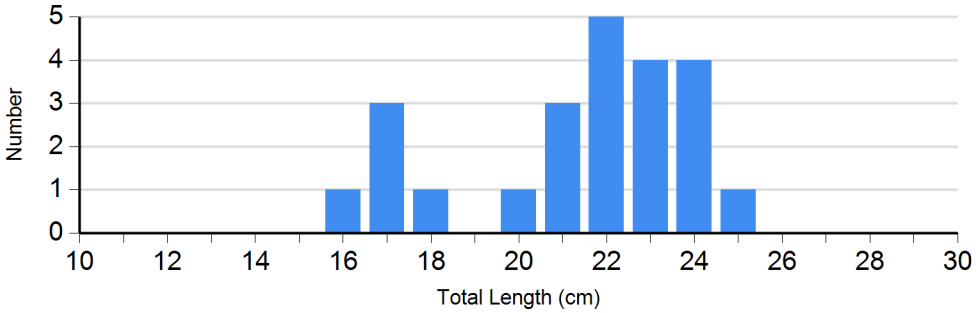
2022

Species: Bluegill
Gear: frame net (std 3/4 in)

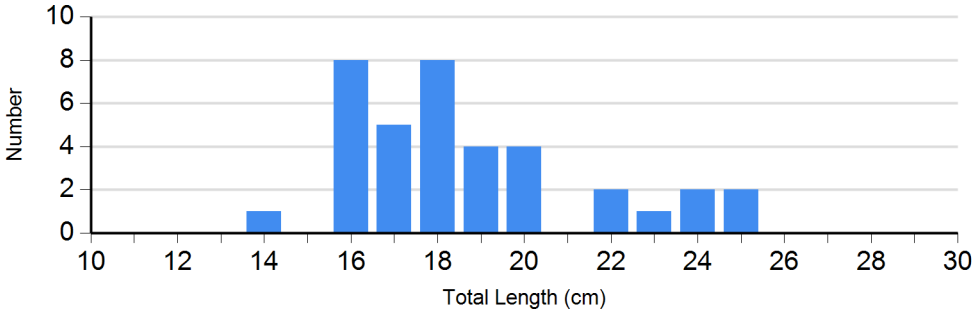
2018



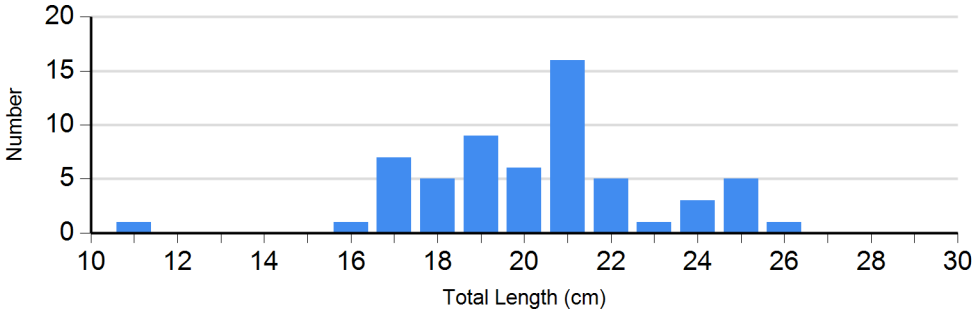
2019



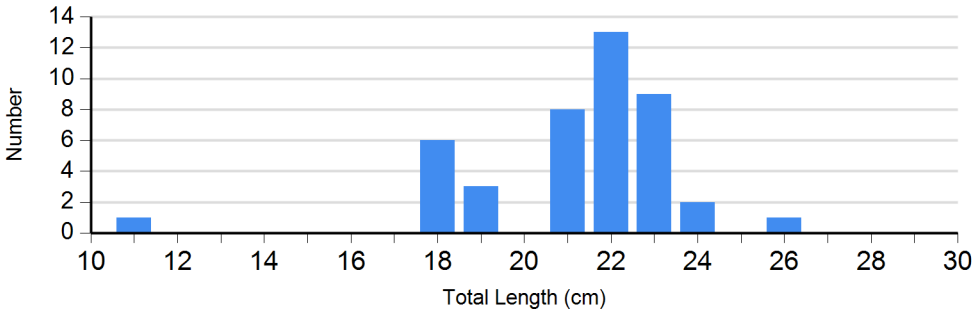
2020

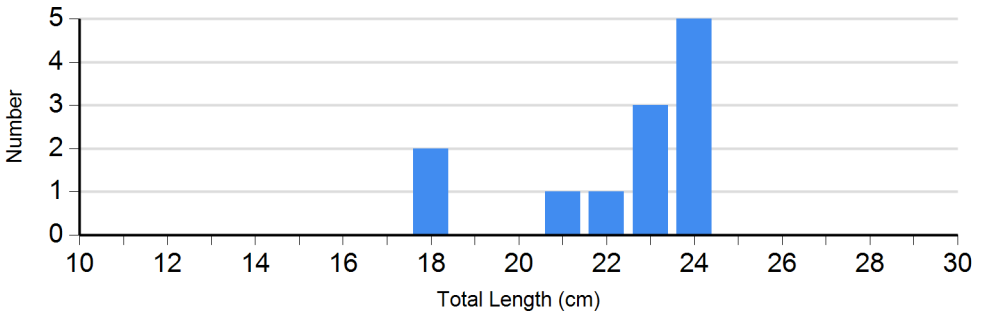


2021



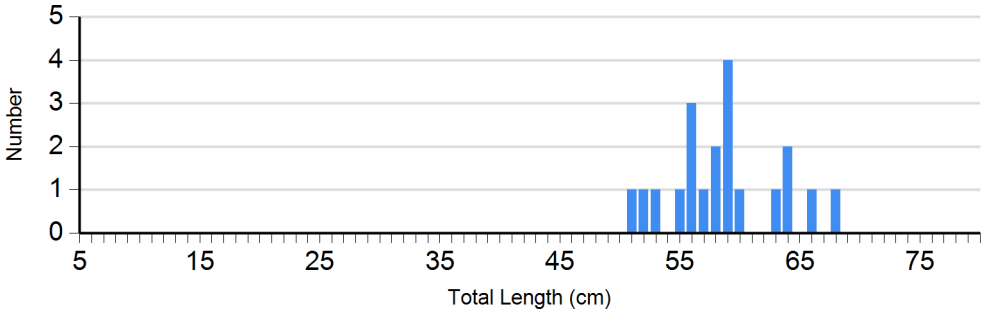
2022



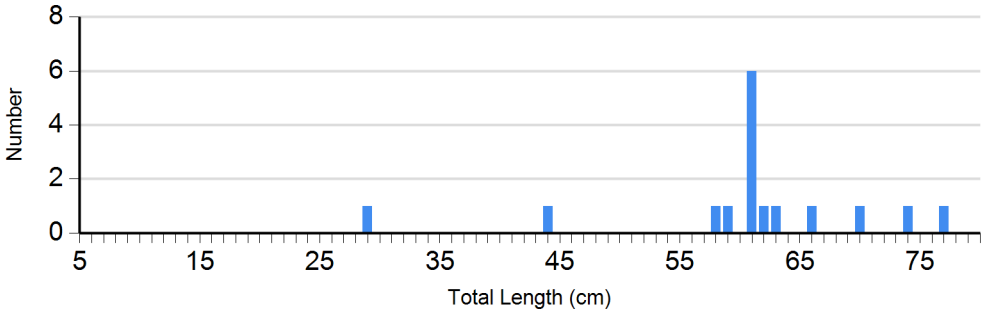


2023

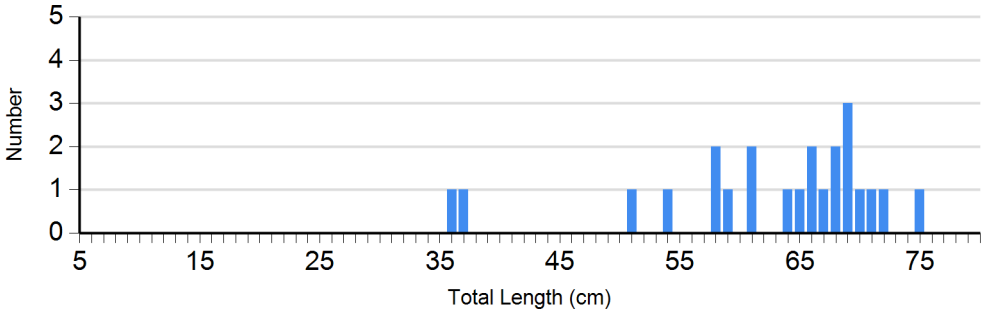
Species: Common Carp
Gear: AFS std gill net



2018

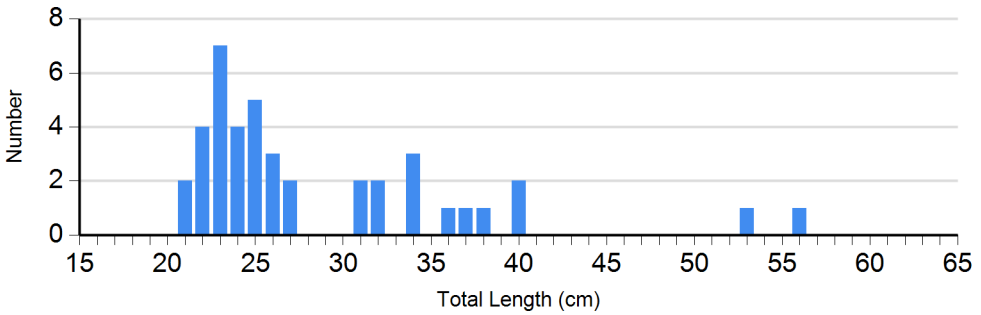


2019

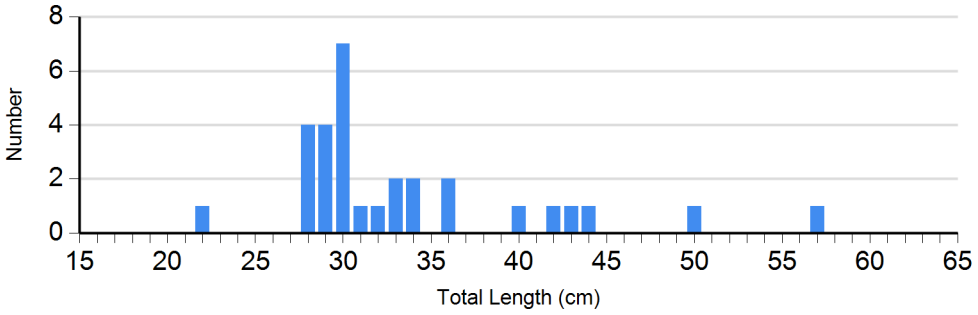


2023

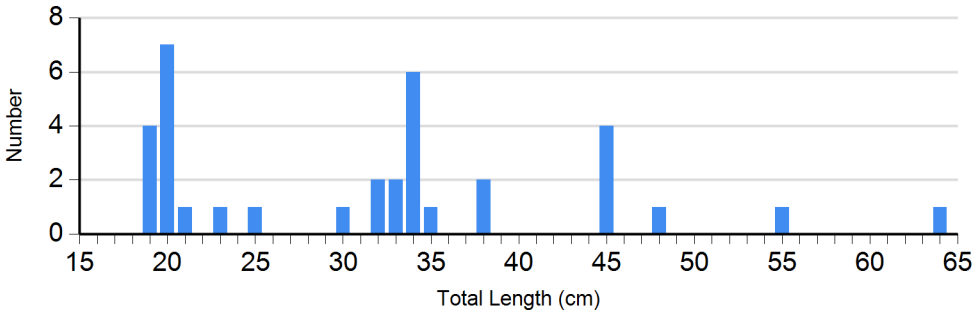
Species: Walleye
Gear: AFS std gill net



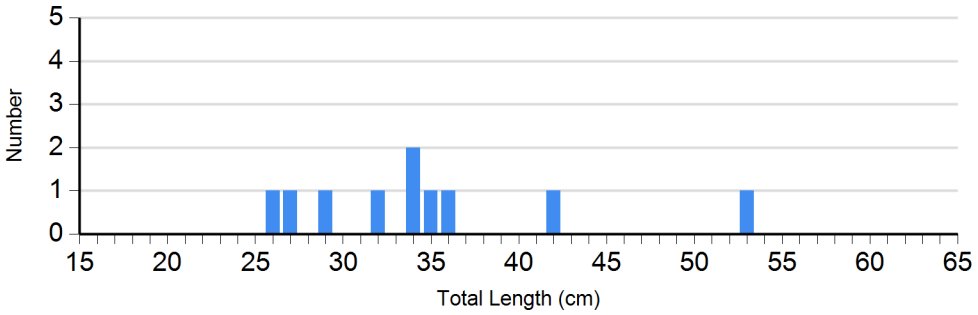
2018



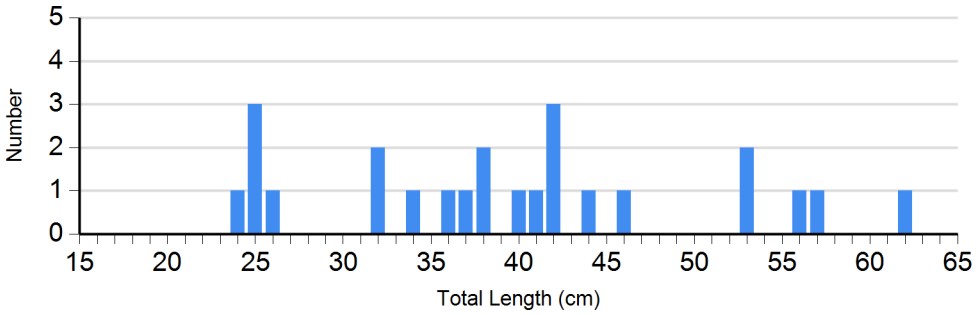
2019



2020

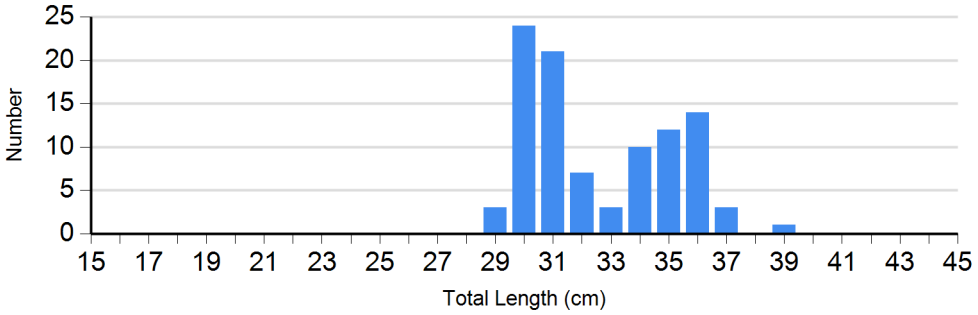


2021

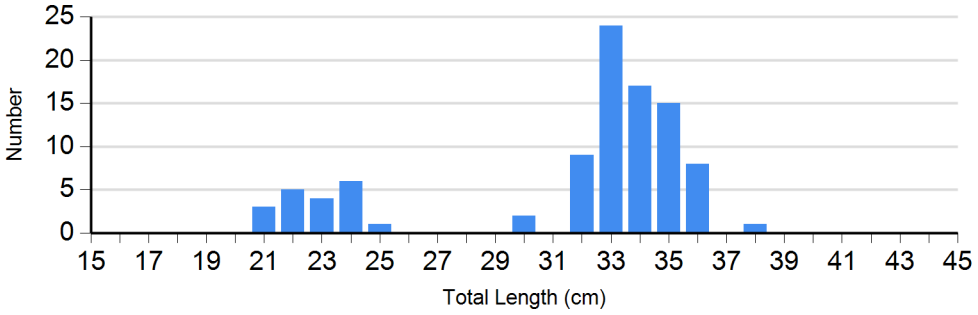


2023

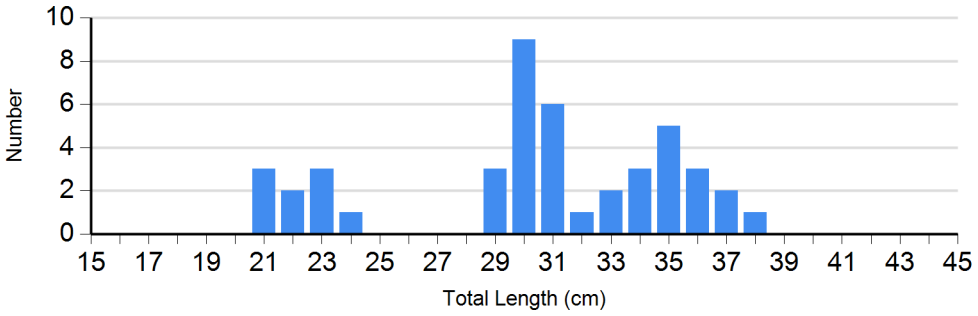
Species: White Bass
Gear: AFS std gill net



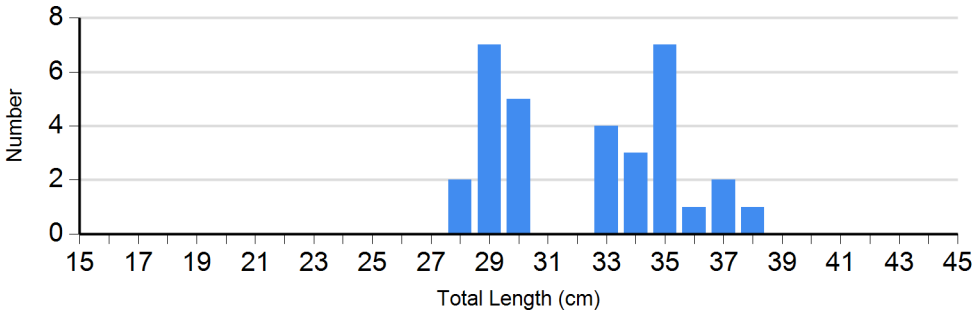
2018



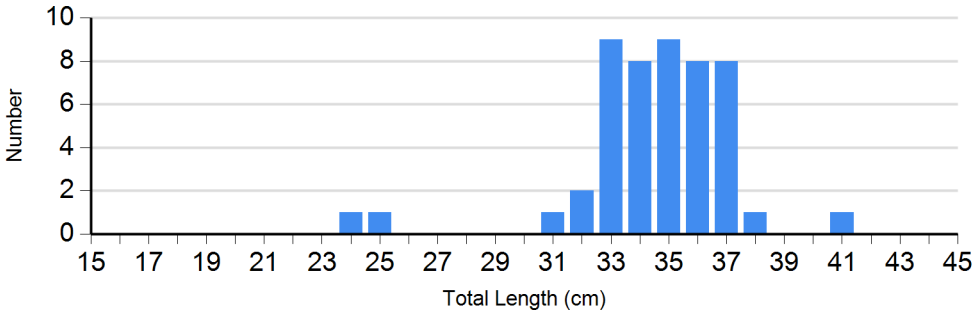
2019



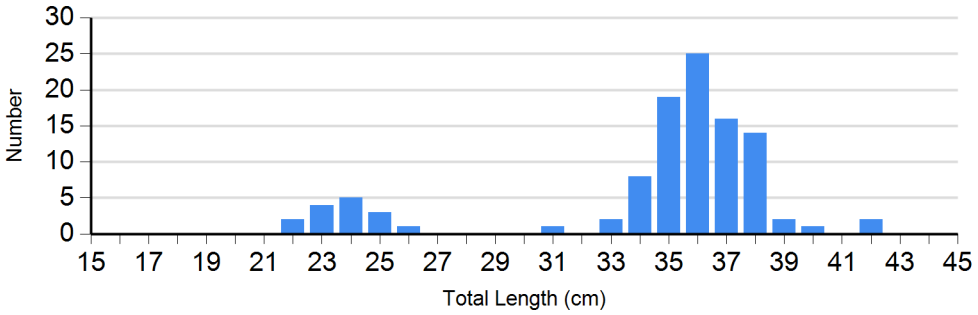
2020



2021

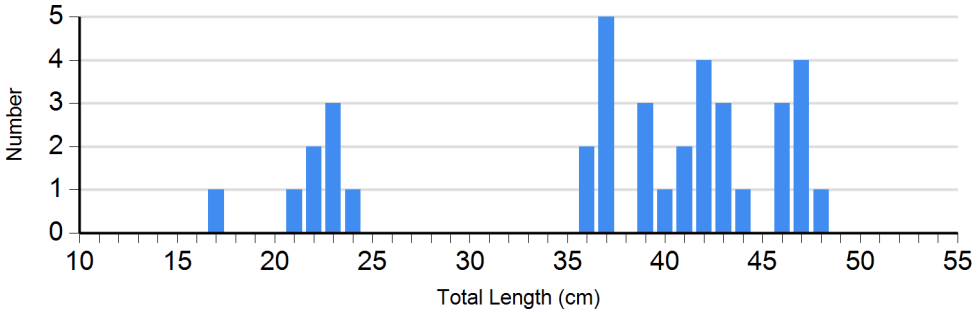


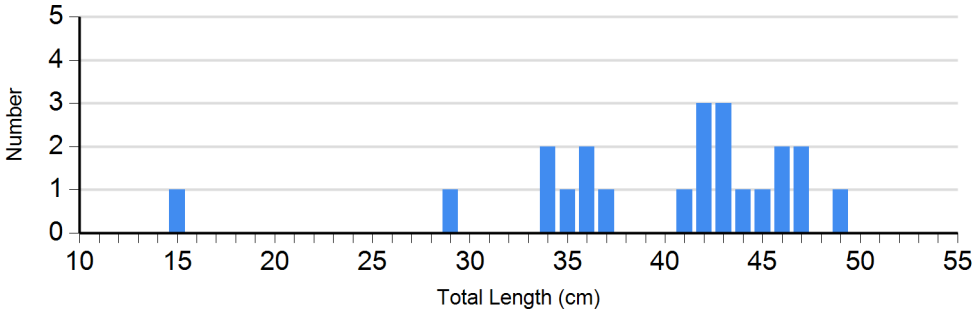
2022

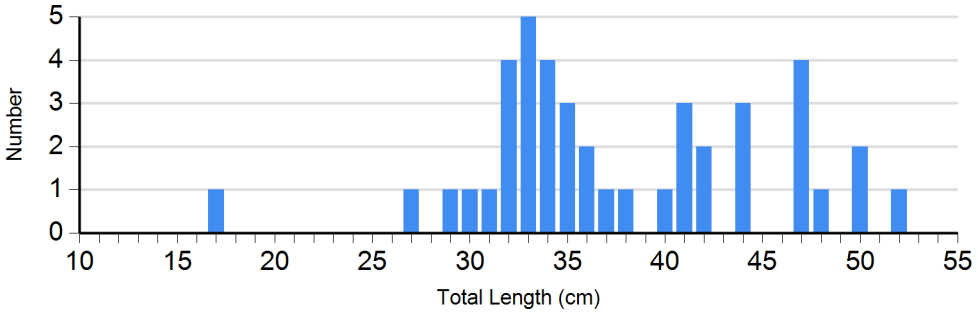


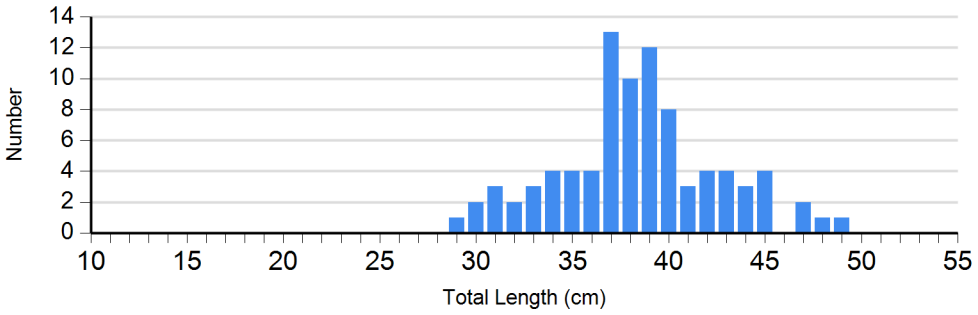
2023

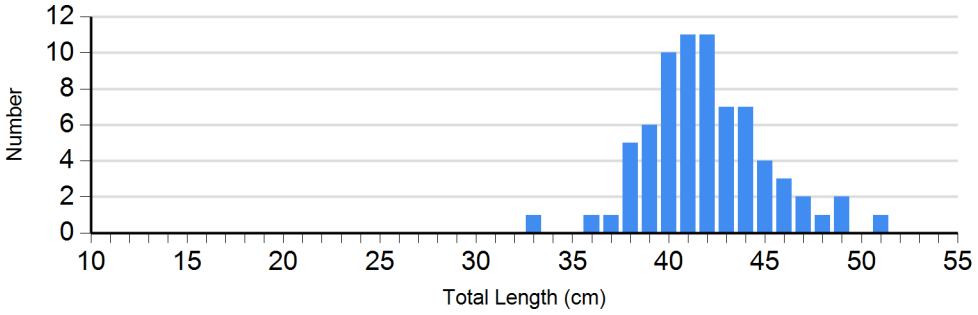
Species: White Sucker
Gear: AFS std gill net

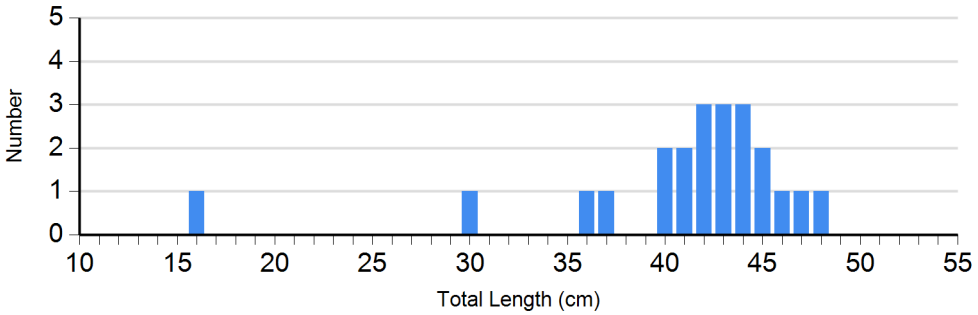






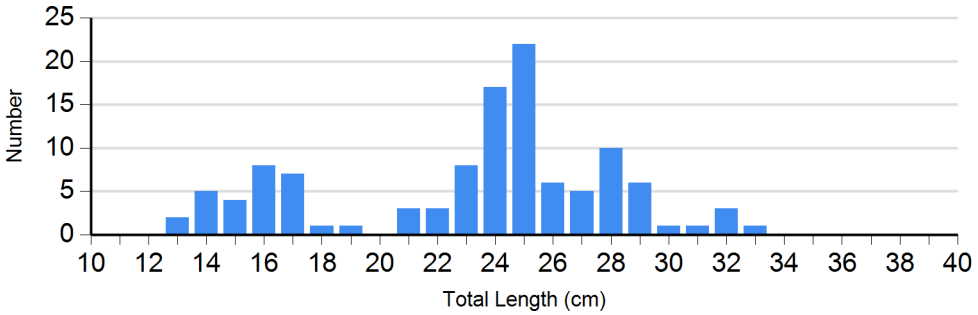




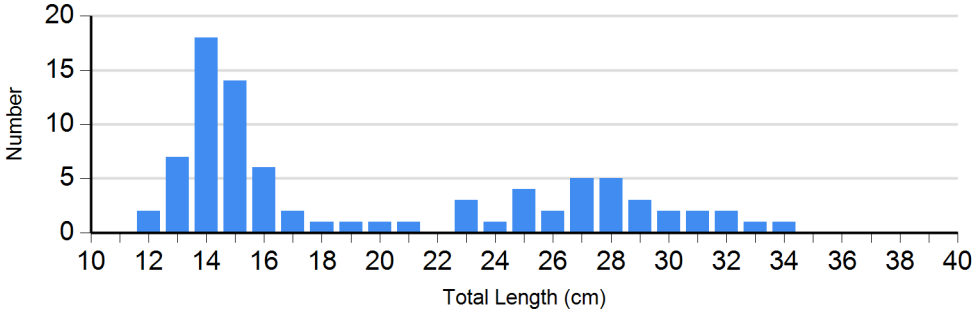


2023

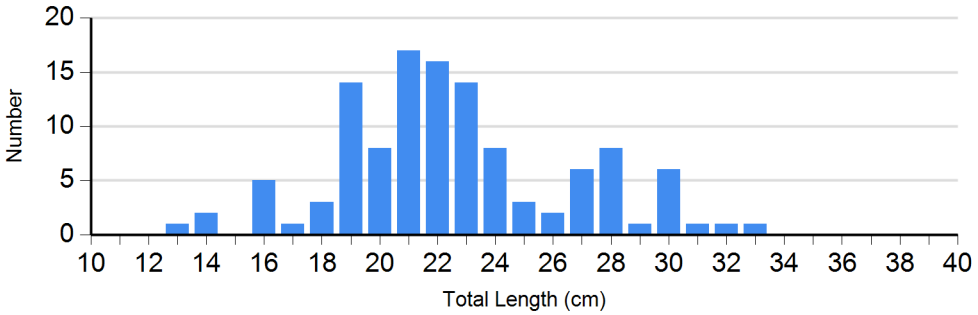
Species: Yellow Perch
Gear: AFS std gill net



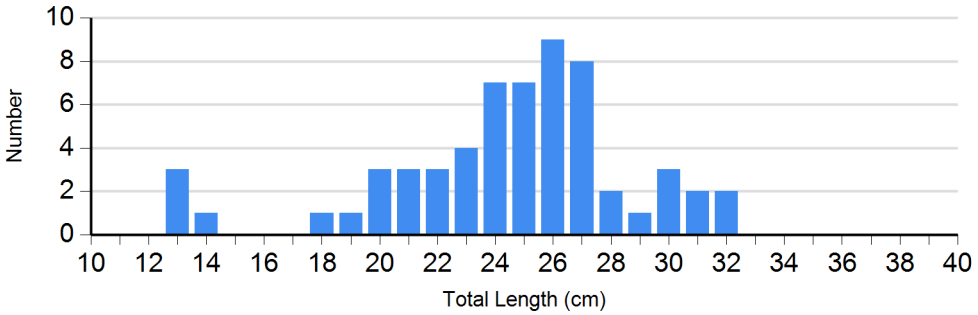
2018



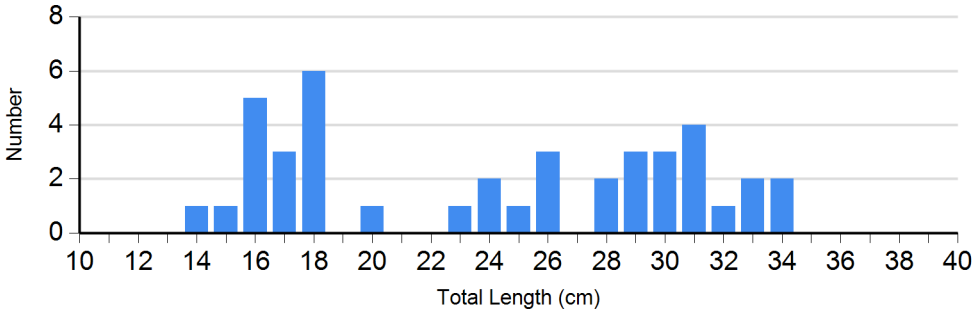
2019



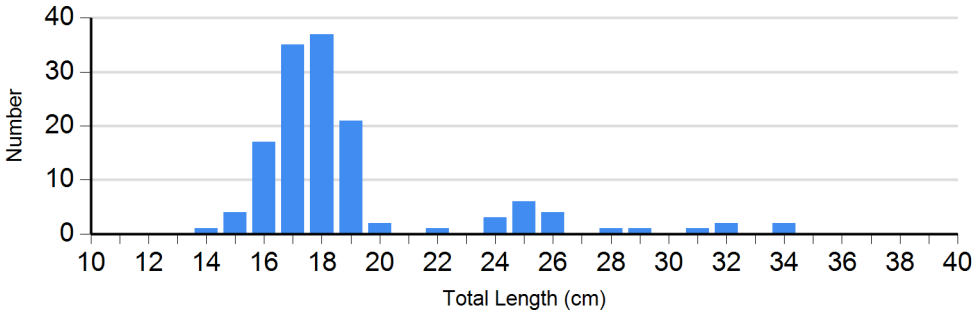
2020



2021


Number
0
2
4
6
8
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40
Total Length (cm)

2022

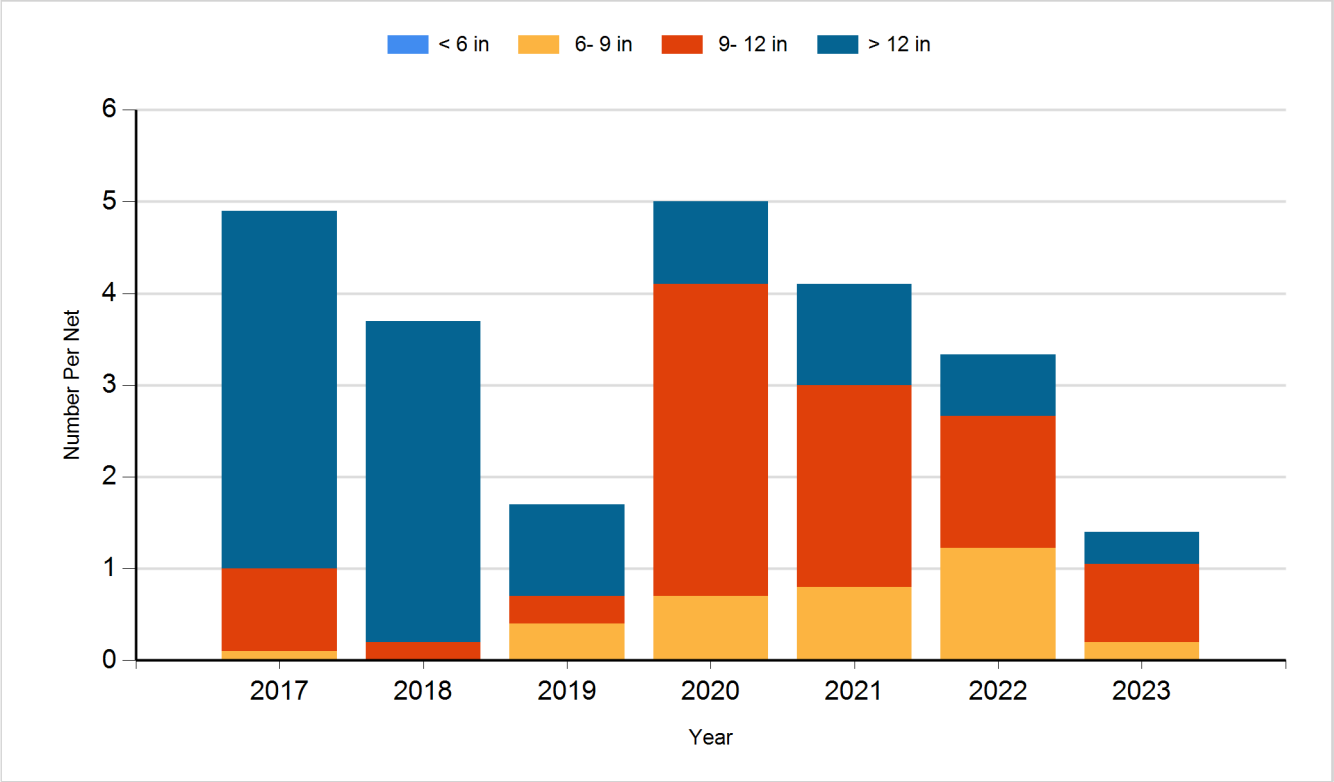

Number
0
10
20
30
40
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40
Total Length (cm)

2023

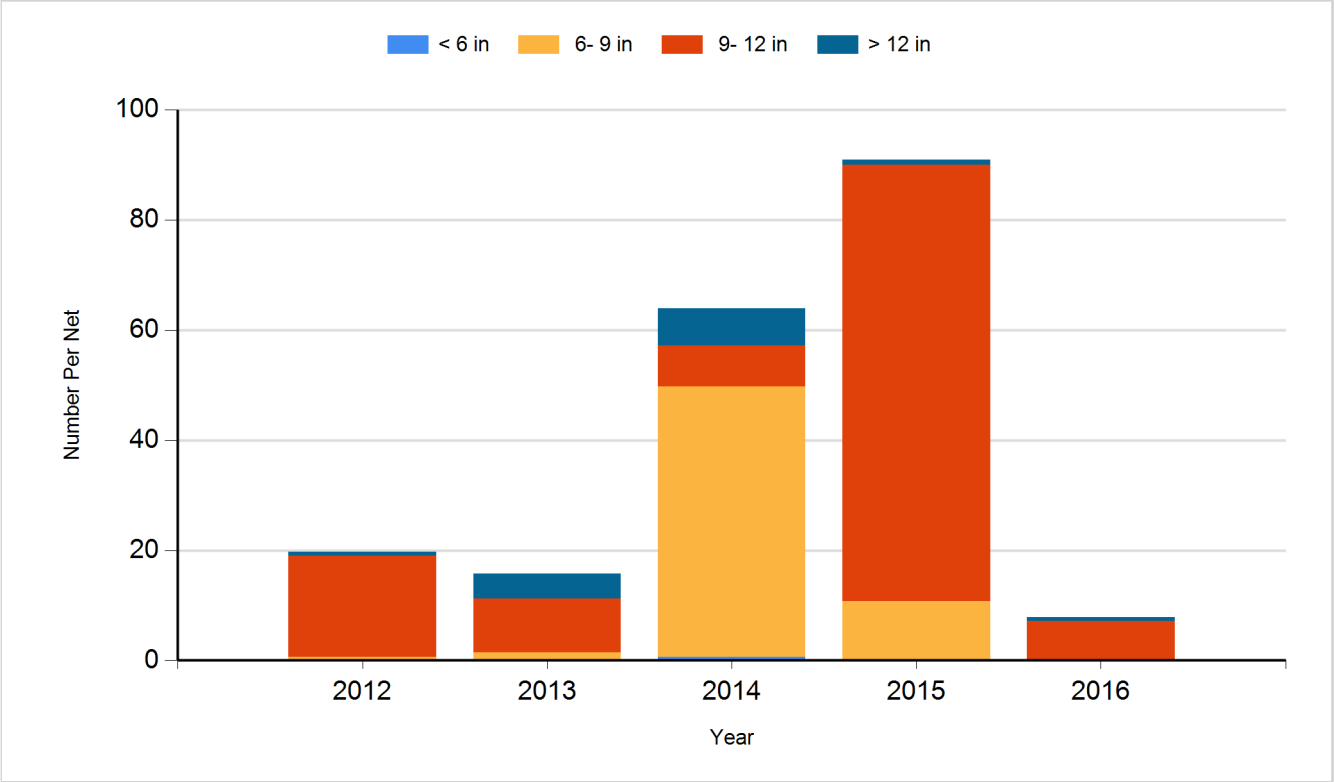
Historic Fish Sizes and Relative Abundance

Size distribution per net by color for species sampled by year.

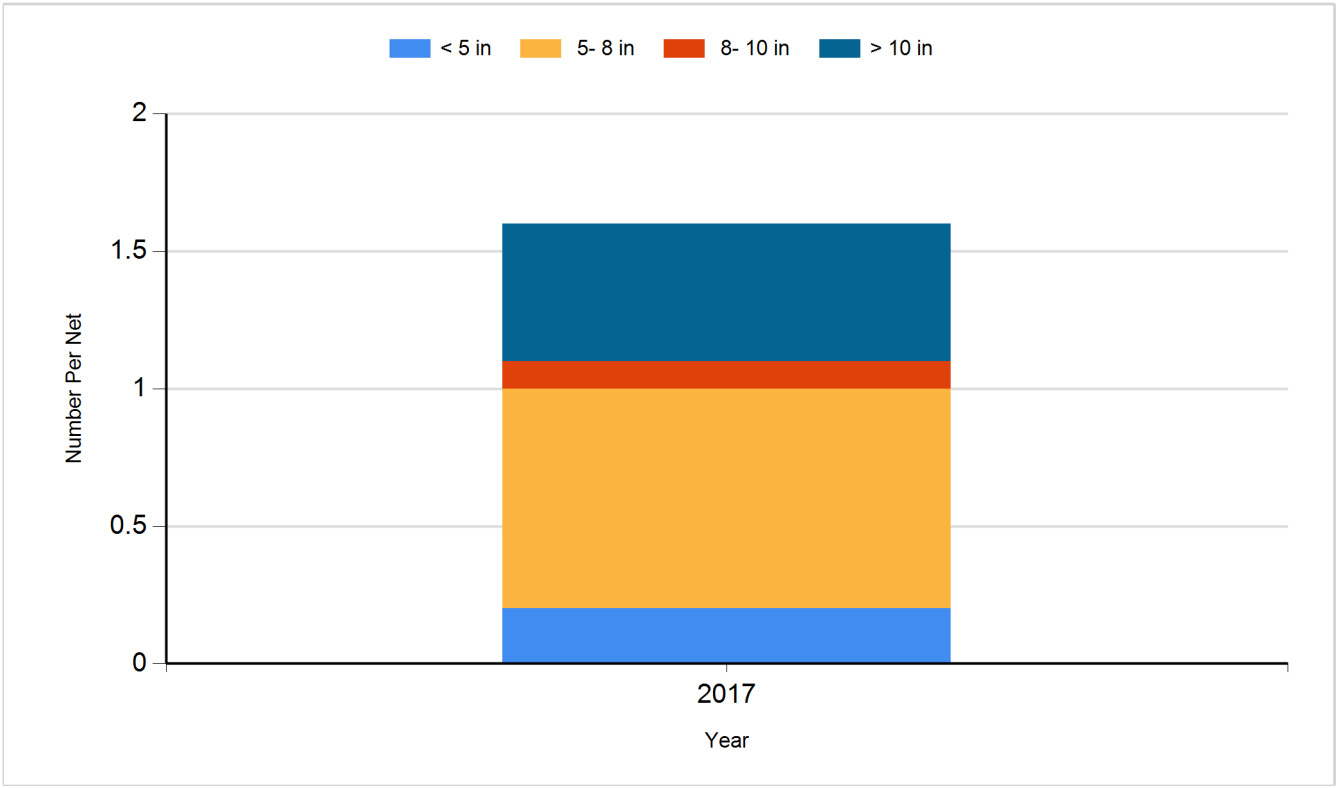
Species: Black Bullhead
Gear: AFS std gill net



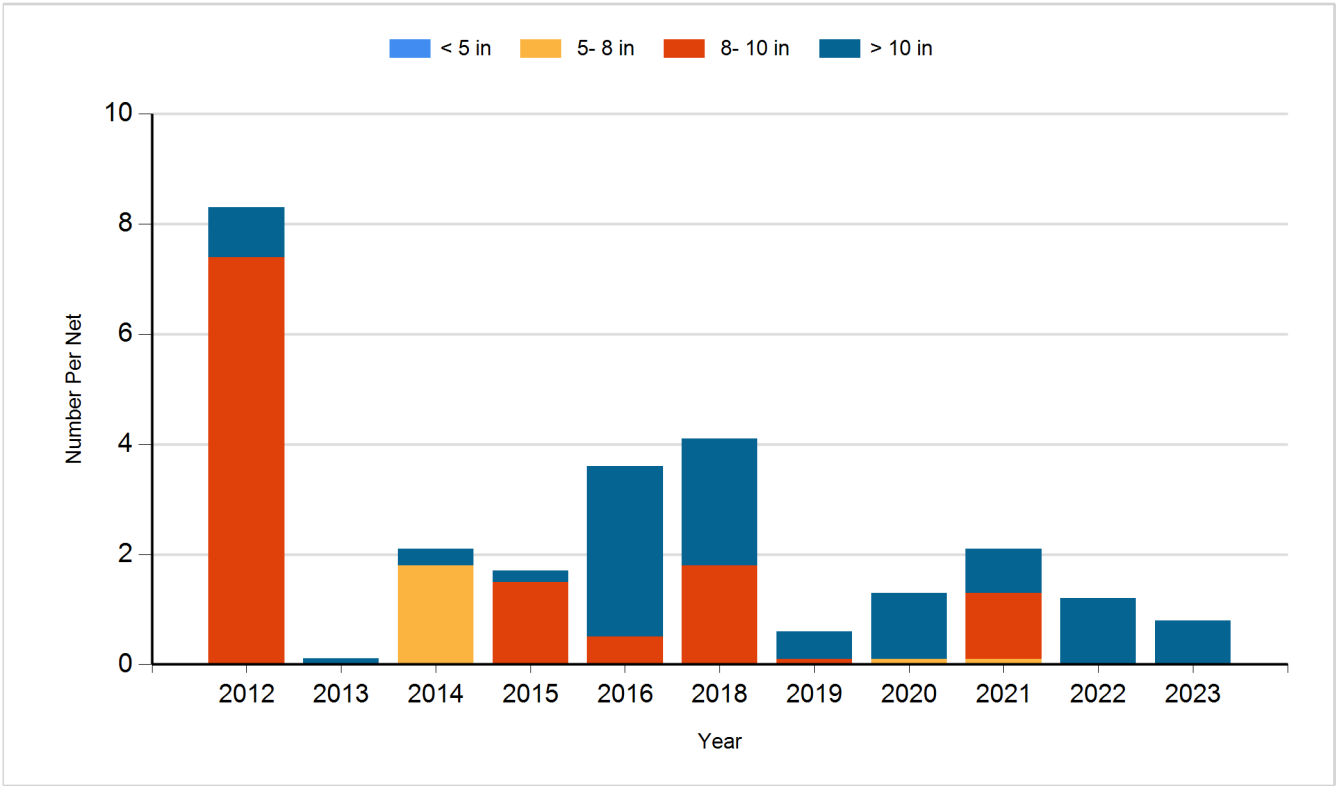
Species: Black Bullhead
Gear: std exp gill net



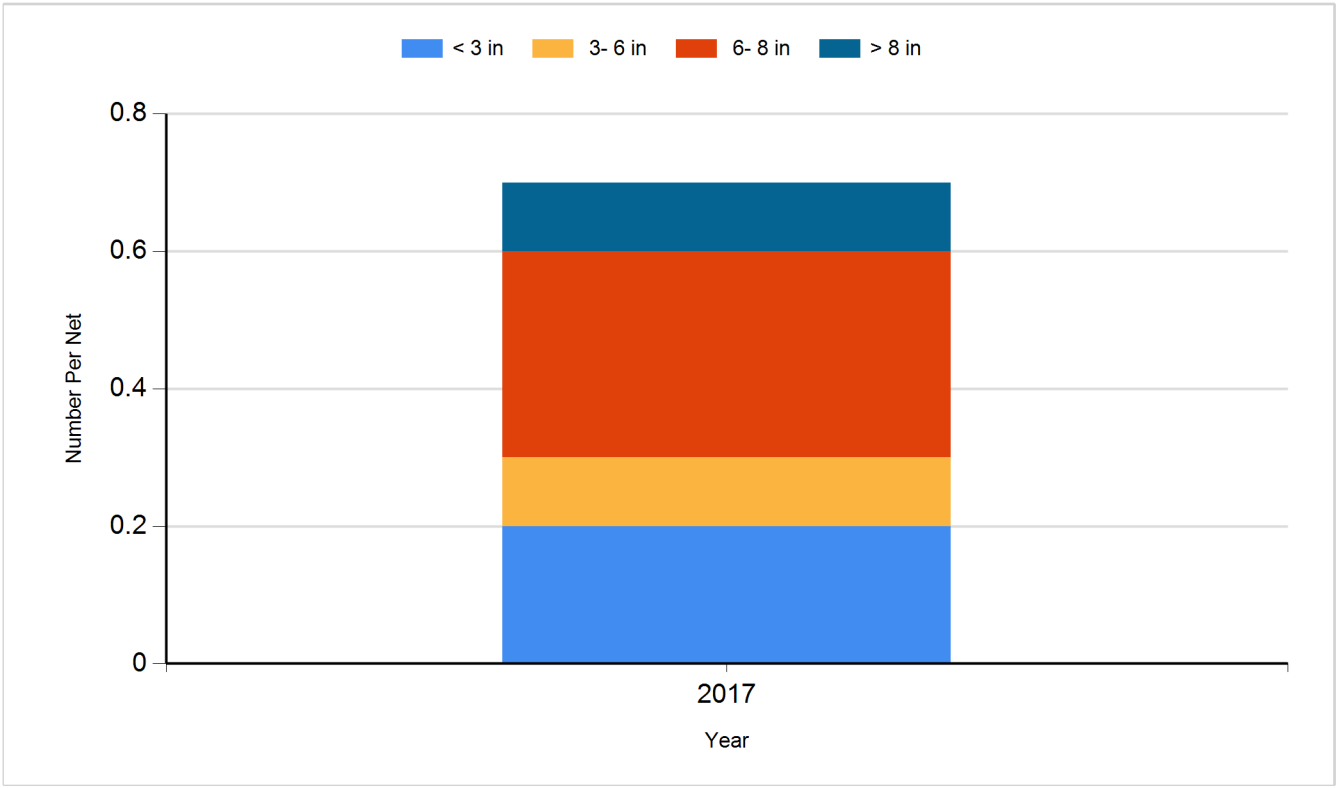
Species: Black Crappie
Gear: AFS std frame net



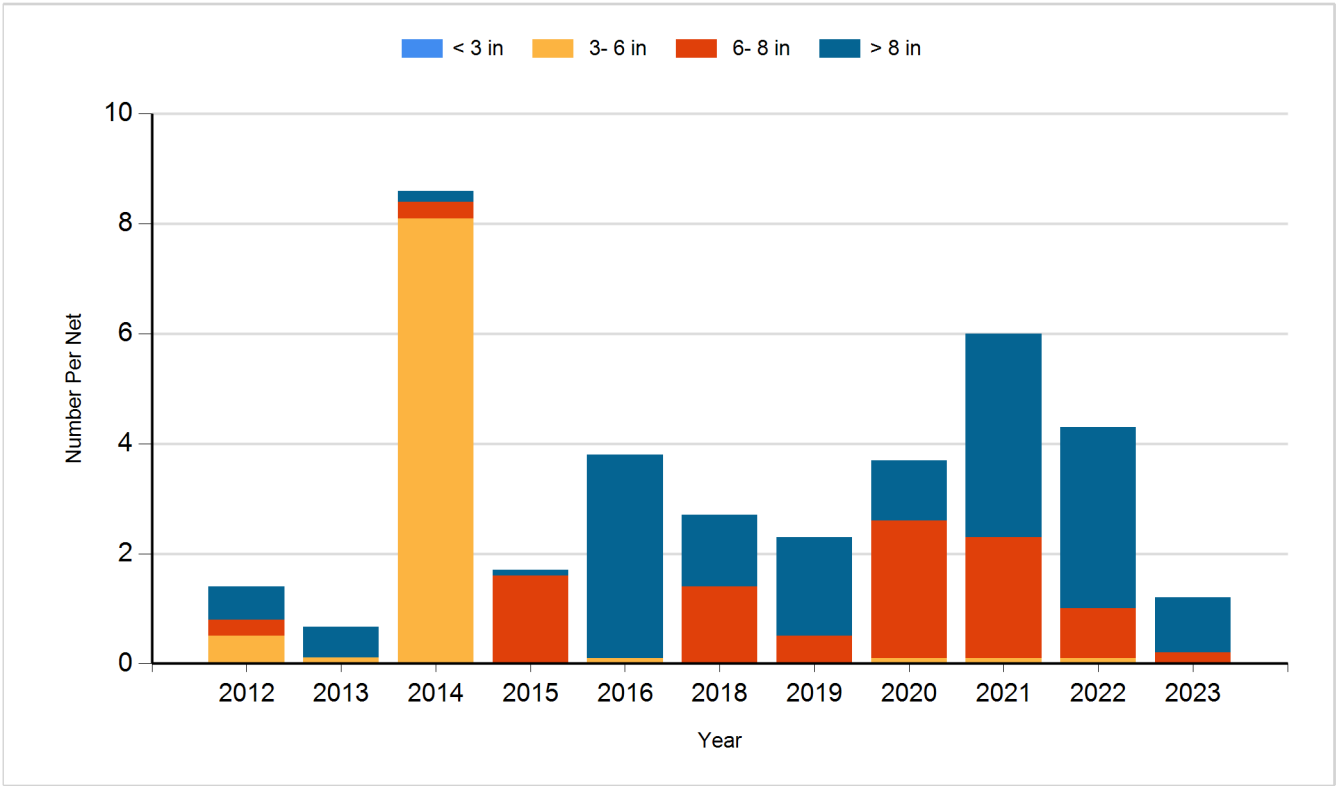
Species: Black Crappie
Gear: frame net (std 3/4 in)



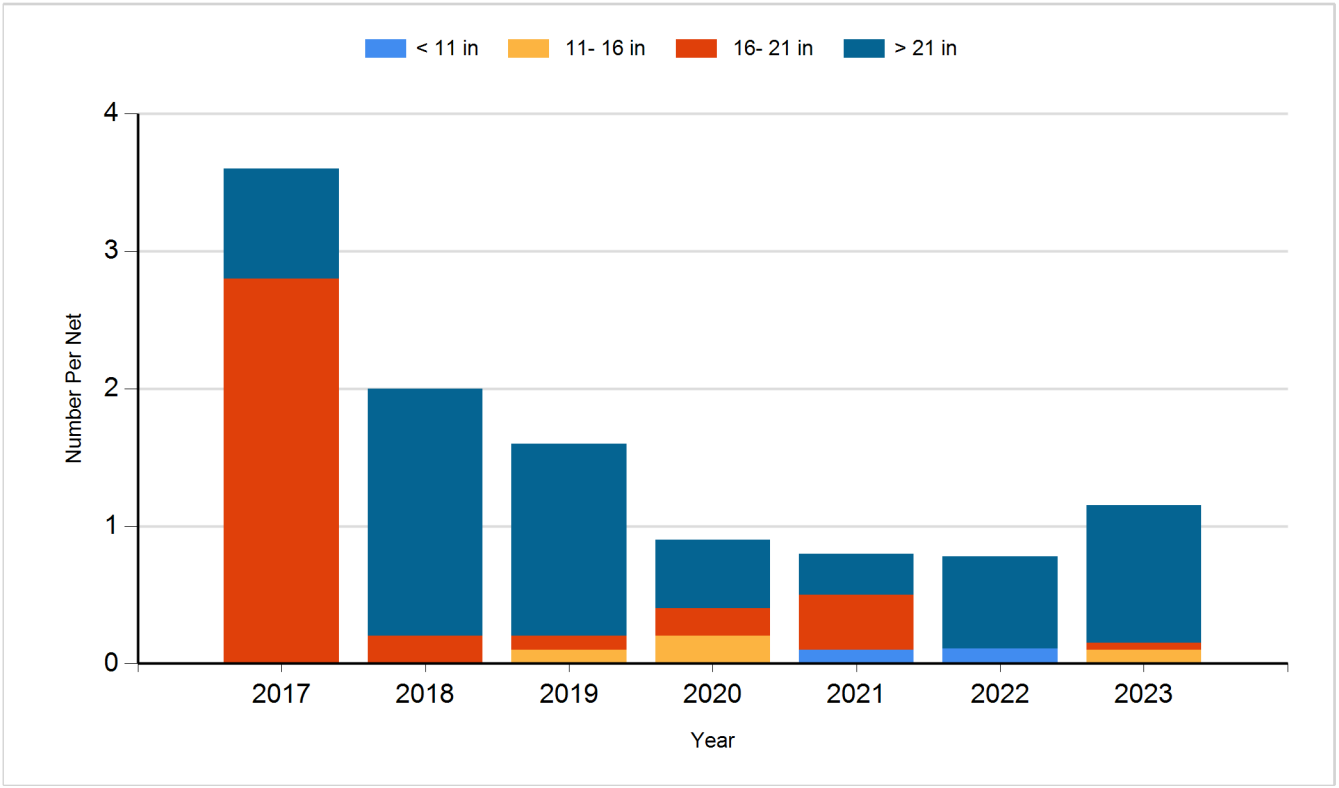
Species: Bluegill
Gear: AFS std frame net



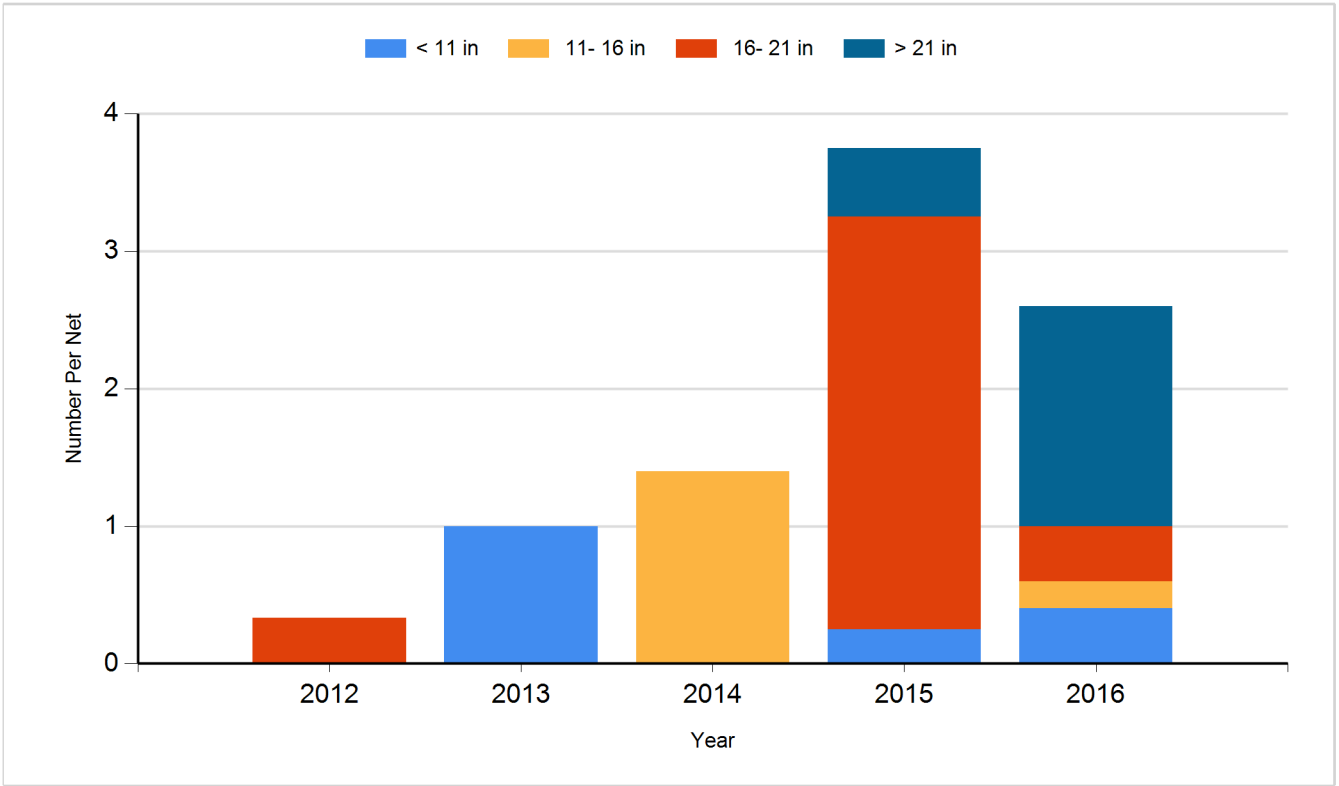
Species: Bluegill
Gear: frame net (std 3/4 in)



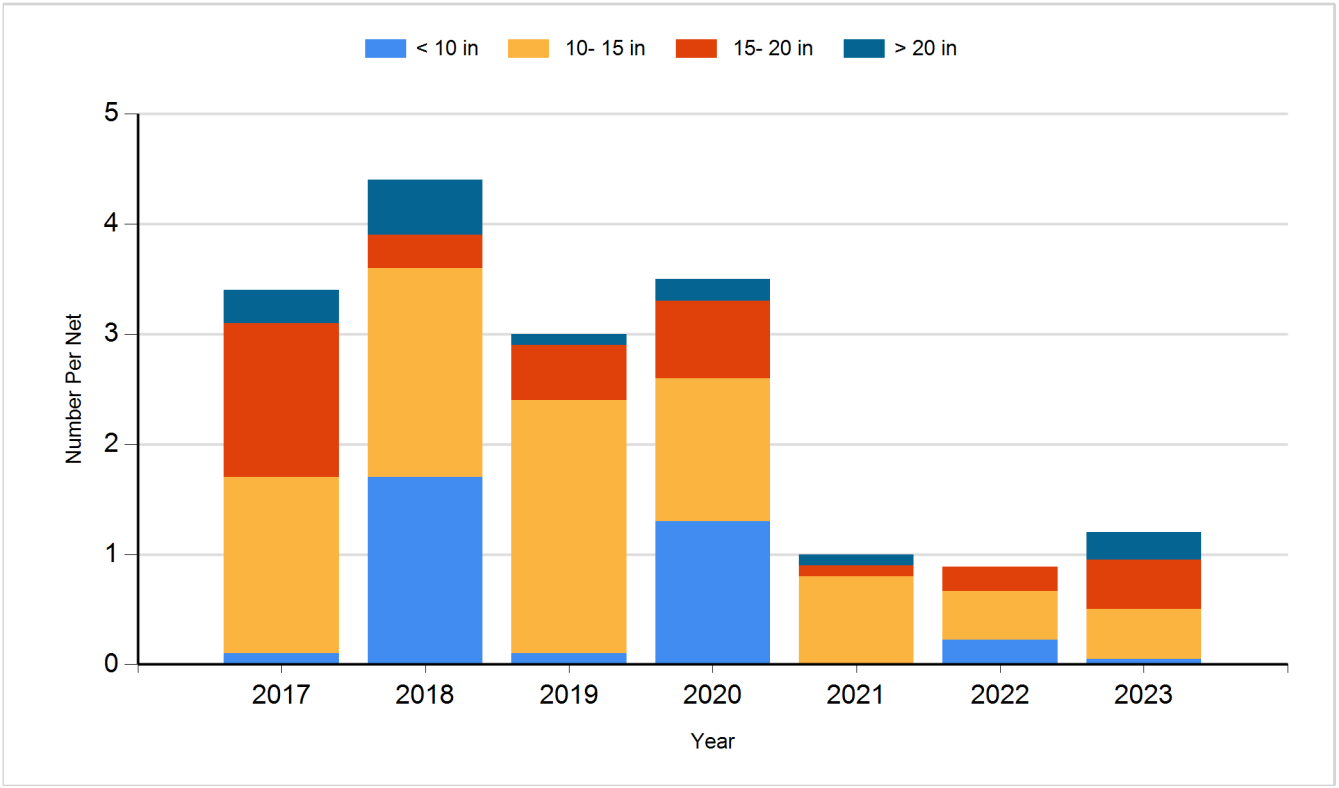
Species: Common Carp
Gear: AFS std gill net



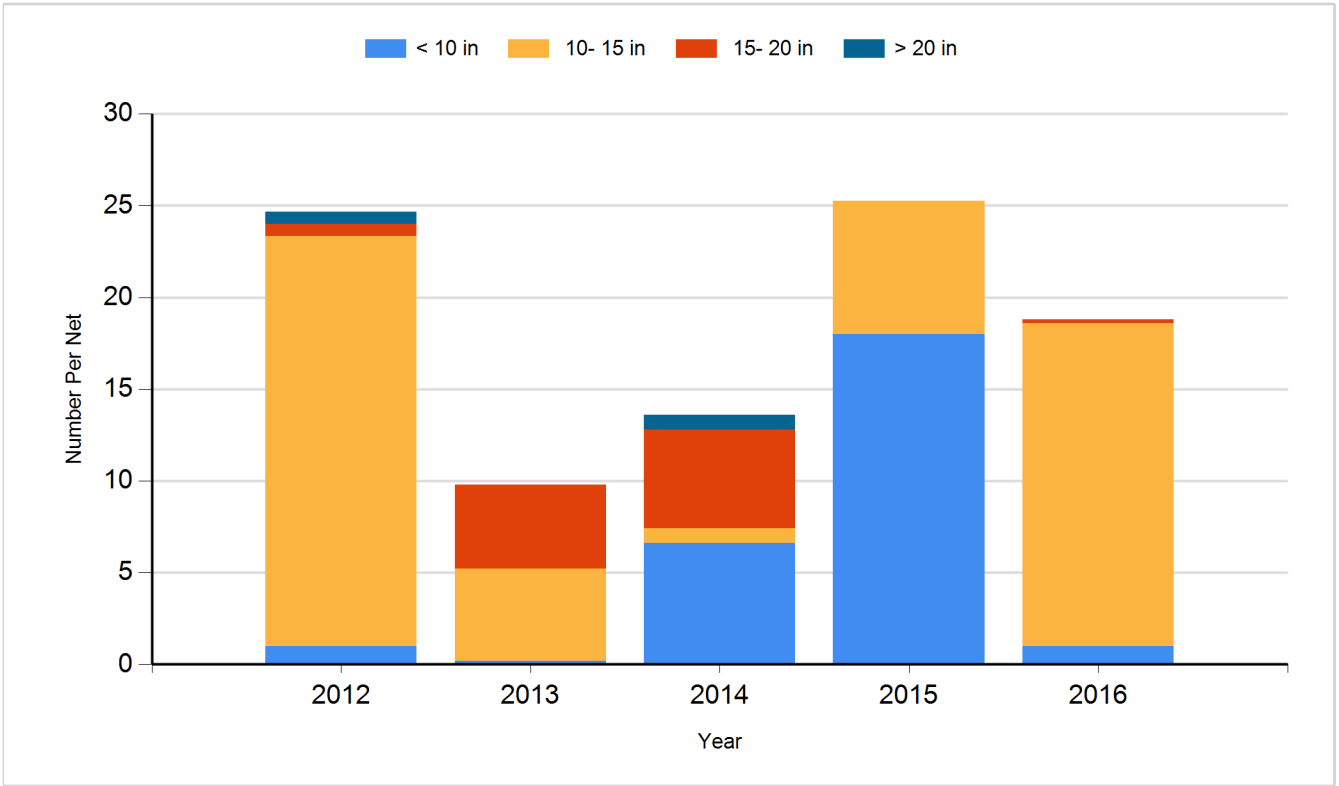
Species: Common Carp
Gear: std exp gill net



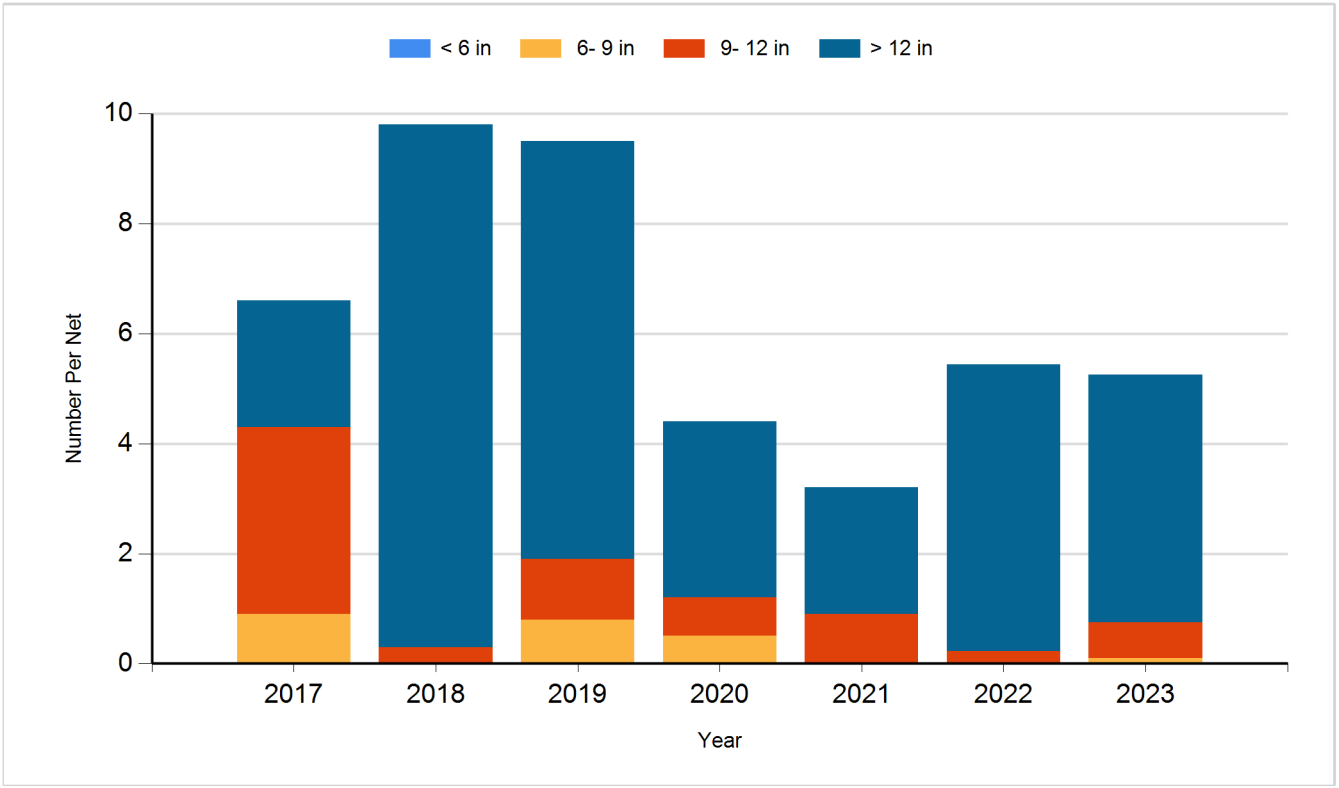
Species: Walleye
Gear: AFS std gill net



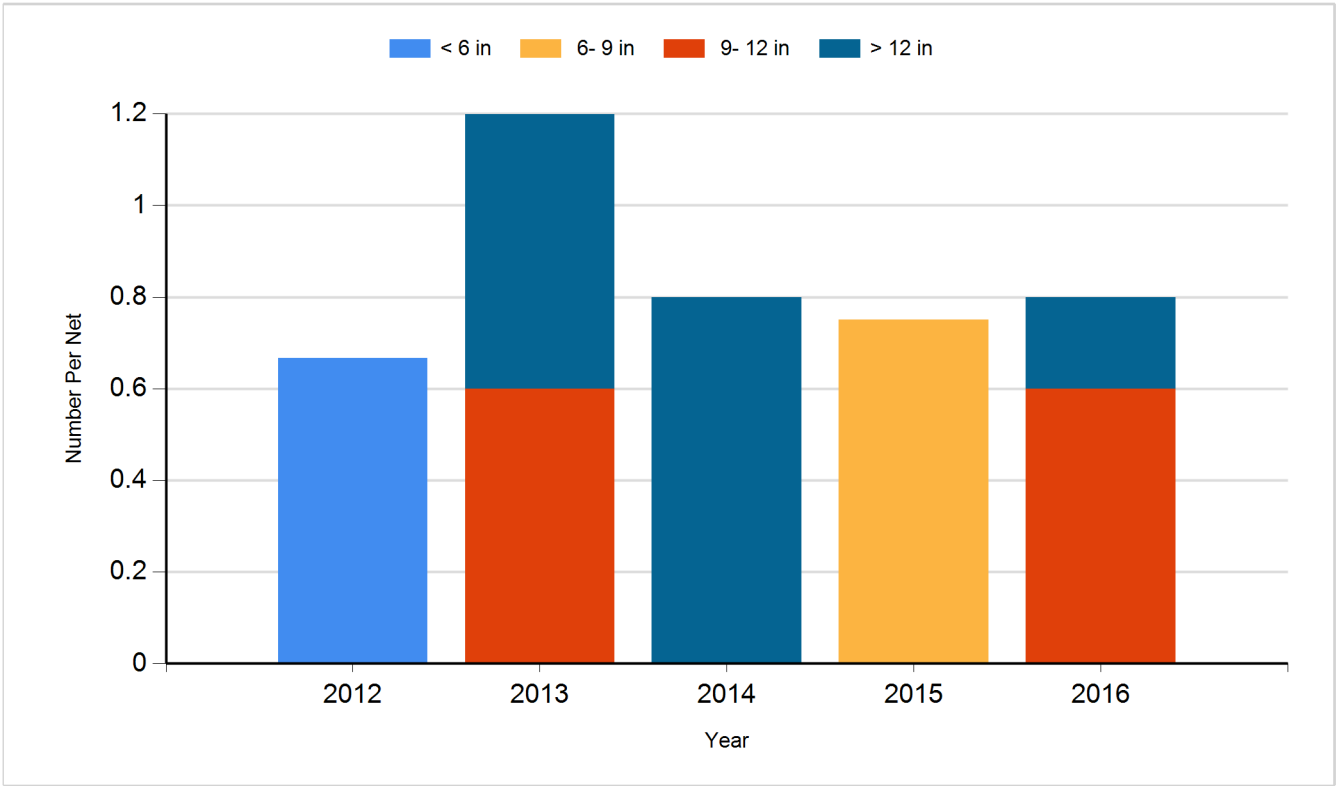
Species: Walleye
Gear: std exp gill net



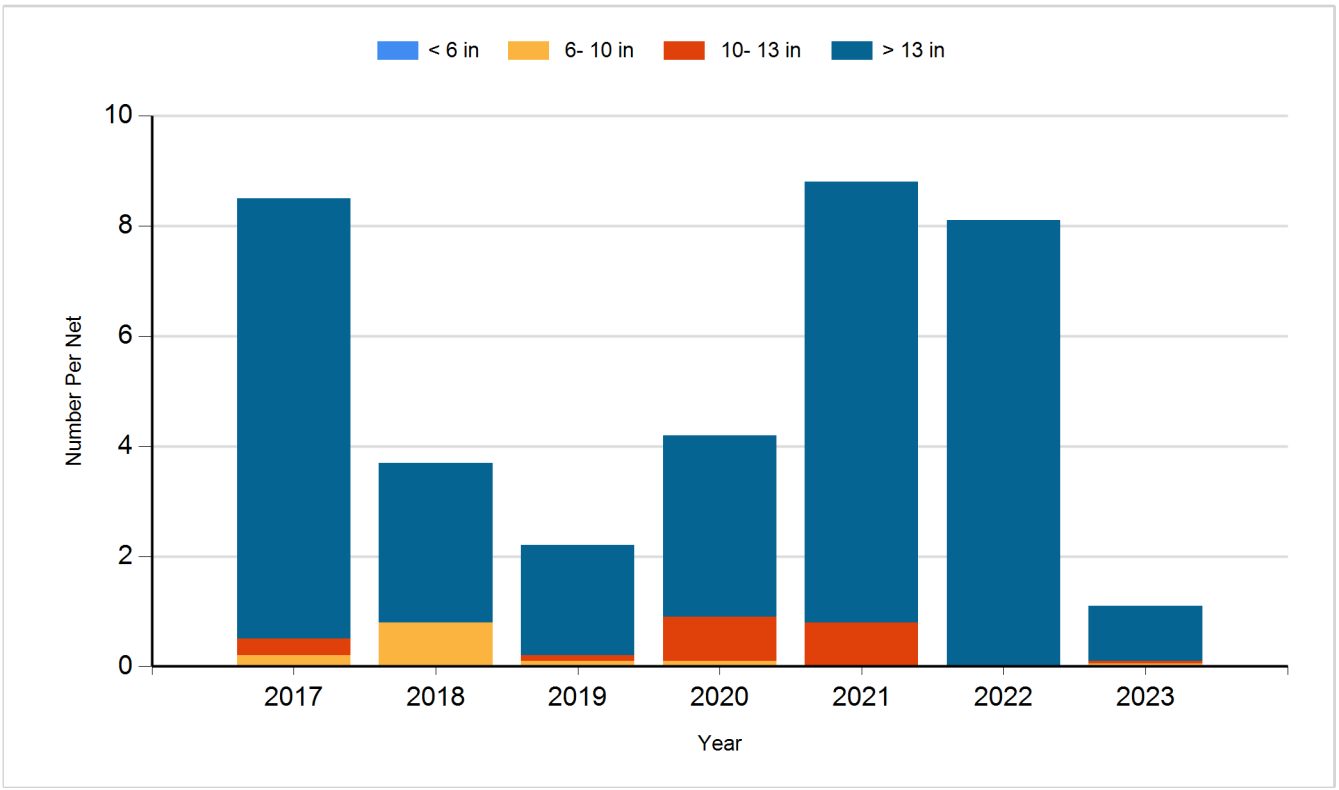
Species: White Bass
Gear: AFS std gill net



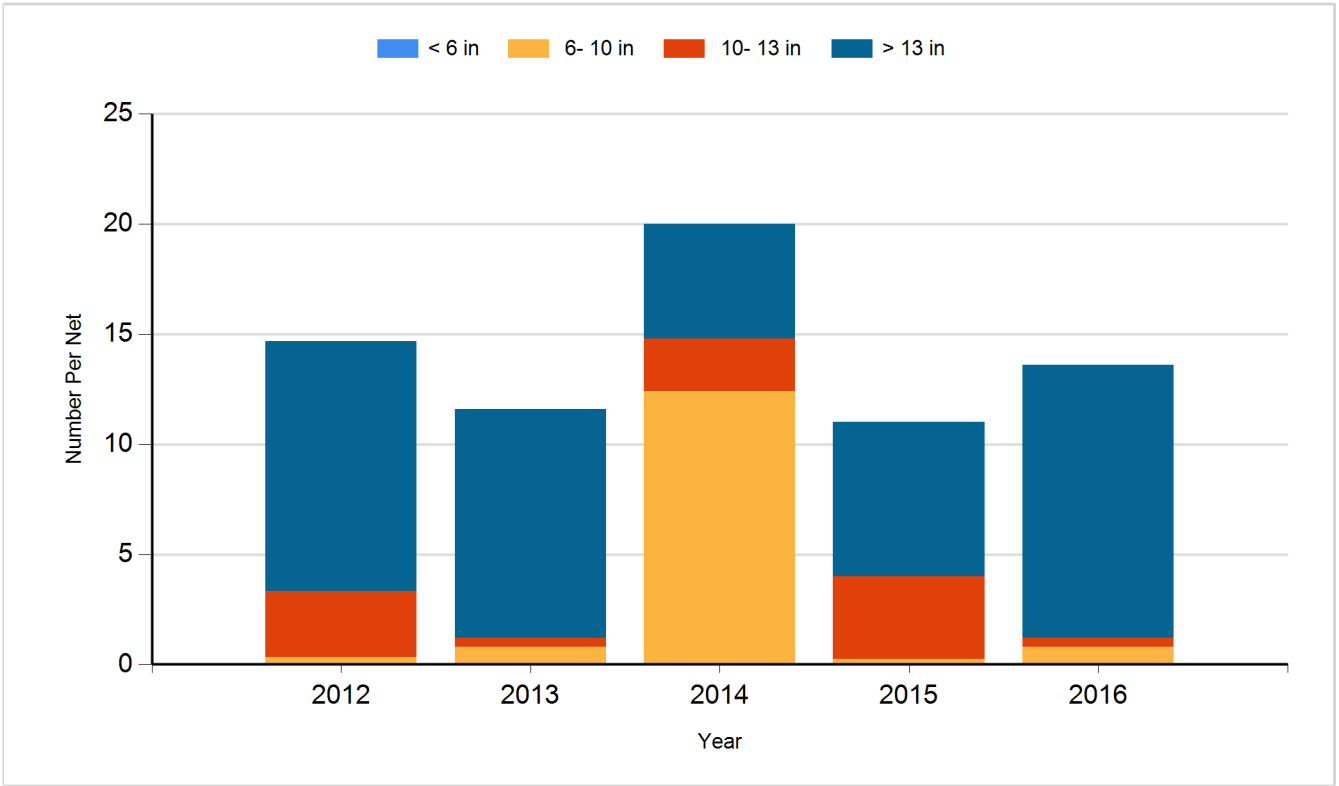
Species: White Bass
Gear: std exp gill net



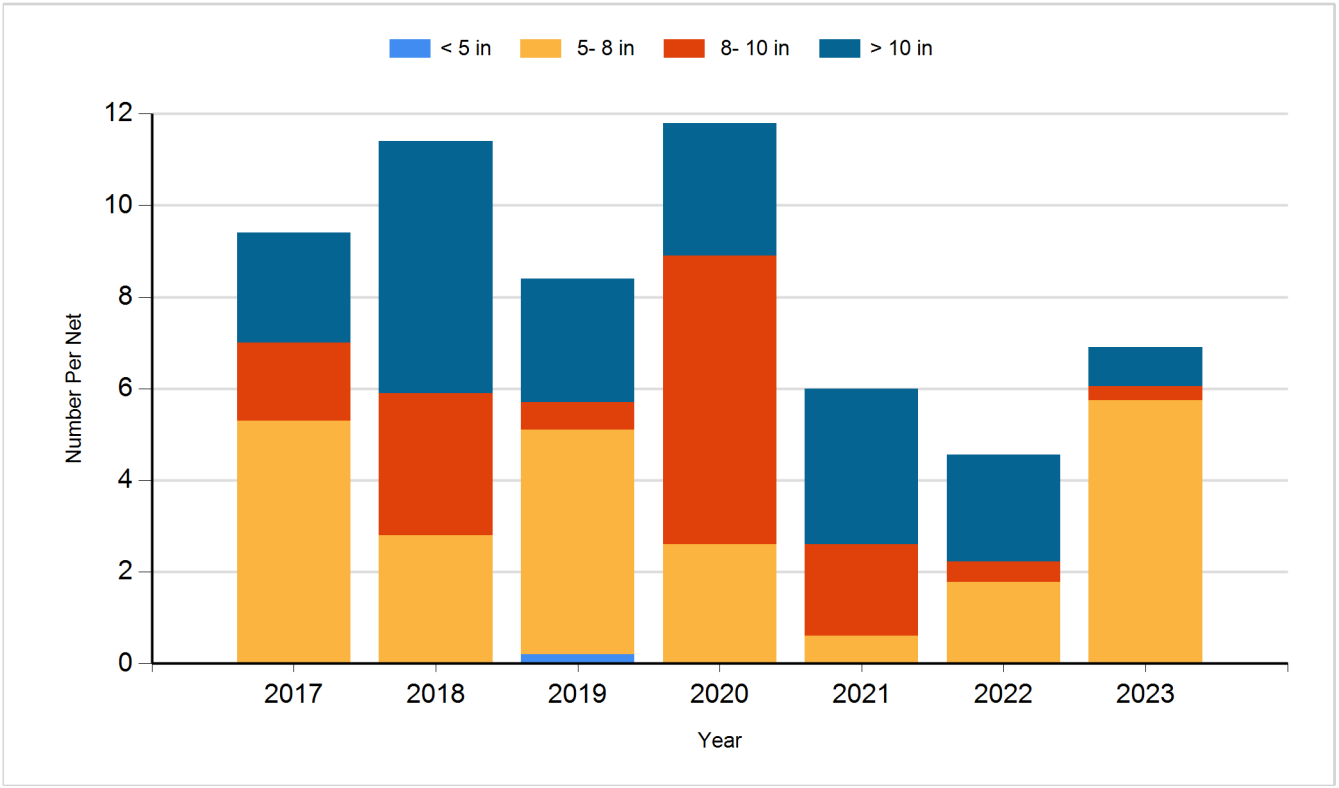
Species: White Sucker
Gear: AFS std gill net



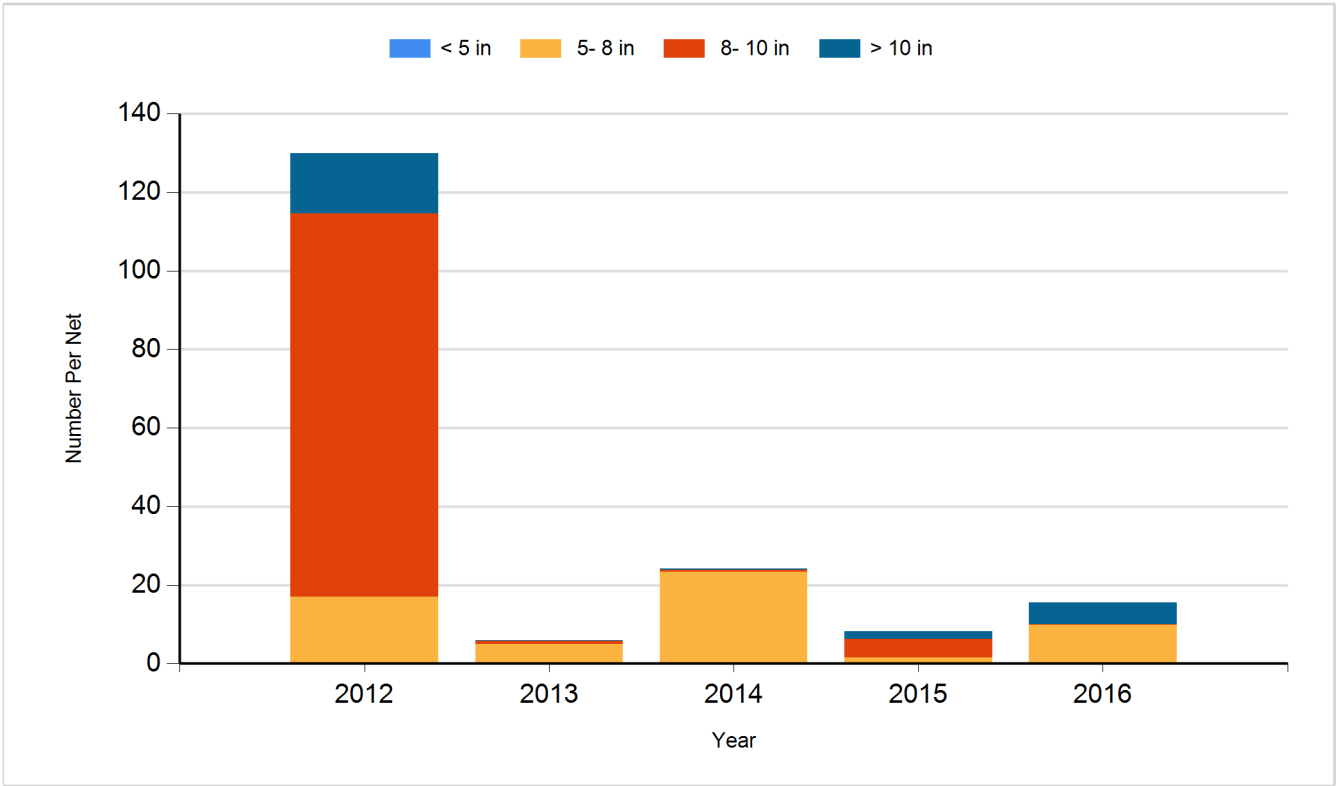
Species: White Sucker
Gear: std exp gill net



Species: Yellow Perch
Gear: AFS std gill net



Species: Yellow Perch
Gear: std exp gill net



Fish Stocking

Number of fish stocked by year, species, and size.

Year	Species	Size	Number
2013	Walleye	Small Fingerling	280,150
2014	Walleye	Small Fingerling	196,200
2017	Walleye	Fingerling	195,515
2019	Walleye	Small Fingerling	196,265
2021	Walleye	Juvenile	198,900
2023	Walleye	Juvenile	185,270