

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY
Clear, Marshall County
UJA-Lake-917-001
2024

Lake Information

Name:	Clear	Maximum Depth:	20 Feet
County:	Marshall	Mean Depth:	12 Feet
		OHWM Elevation:	1,824
Surface Area:	1,217 Acres	Outlet Elevation:	1,823

Surveys and Investigations

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

Gear	Date	Effort
AFS std gill net	Jun 18, 2024	4 net-nights
AFS std gill net	Jun 19, 2024	4 net-nights
AFS std gill net	Jun 20, 2024	4 net-nights
fall night EF-WAE	Sep 10, 2024	2400 seconds
frame net (std 3/4 in)	Jun 18, 2024	6 net-nights
frame net (std 3/4 in)	Jun 19, 2024	6 net-nights
frame net (std 3/4 in)	Jun 20, 2024	6 net-nights
spring night EF-LMB	Jun 12, 2024	3600 seconds

Common Fish Species Present

Walleye

Smallmouth Bass

Northern Pike

Largemouth Bass

Yellow Perch

Bluegill

Black Crappie

Black Bullhead

White Sucker

Yellow Bullhead

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.
- **std 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.

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

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.

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

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

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.

$$Wr = \left(\frac{W}{W_s} \right) \times 100$$

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).

Species Name	Stock		Quality		Preferred		Memorable		Trophy	
	(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**

Gear	Species	Sample Size (n)	Abundance		Stock Density Indices			Condition		
			CPUE	CI-80	PSD	CI-80	PSD-P	CI-80	Wr	CI-80
AFS std gill net	Black Bullhead	60	5.0	2.5	100		33	9	97	2
	Black Crappie	19	1.4	0.6	65	19	47	20	103	3
	Bluegill	118	9.8	2.4	95	3	25	6	114	1
	Largemouth Bass	1	0.1	0.1	100		100		105	
	Northern Pike	28	2.3	0.5	46	15	14		87	2
	Smallmouth Bass	35	2.9	1.1	89		77	11	95	2
	Walleye	46	3.8	1.4	74	10	22	9	90	1
	White Sucker	6	0.5	0.5	100		100		112	5
	Yellow Perch	11	0.9	0.6	27		0		97	4
frame net (std 3/4 in)	Black Bullhead	183	10.2	2.4	100		46	5	106	12
	Black Crappie	9	0.4	0.2	75		75		93	3
	Bluegill	756	42.0	9.2	71	2	8	1	110	1
	Common Carp	1	0.0	0.0	0		0			
	Northern Pike	15	0.6	0.3	50	28	10		89	2
	Smallmouth Bass	11	0.5	0.3	56		33		98	3
	Walleye	22	0.9	0.5	35	19	18		82	5
	Yellow Bullhead	2	0.1	0.1	100		0			
	Yellow Perch	16	0.8	0.4	47	21	0		84	2
spring night EF-LMB*	Largemouth Bass	36	36.0	7.9	61	12	31	12	106	1
	Smallmouth Bass	2	2.0	1.9	50		0		102	10

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

Gear	Species	CPUE										Avg	
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
AFS std frame net	Black Bullhead		7.8	3.6									5.70
	Black Crappie		1.9	2.3									2.10
	Bluegill		15.2	19.9									17.55
	Common Carp		0.6	0.9									0.75
	Largemouth Bass		0.0	0.2									0.10
	Northern Pike		0.8	0.8									0.80
	Smallmouth Bass		0.1	0.3									0.20
	Walleye		0.0	0.2									0.10
	Yellow Perch		9.9	1.3									5.60
AFS std gill net	Black Bullhead		15.0	9.8	6.4	5.8		9.9	8.8	9.3	5.0		8.75
	Black Crappie		1.3	1.3	3.1	1.9		4.9	13.1	10.1	1.4		4.64
	Bluegill		2.0	1.5	0.8	3.8		5.8	13.0	11.8	9.8		6.06
	Channel Catfish		0.0	0.1	0.0	0.0		0.0	0.0	0.0	0.0		0.01
	Common Carp		0.1	0.1	0.2	0.1		0.1	0.2	0.3	0.0		0.14
	Largemouth Bass		0.1	0.1	0.1	0.3		0.3	0.3	0.1	0.1		0.18
	Northern Pike		2.2	3.5	1.2	2.2		3.1	2.9	1.7	2.3		2.39
	Smallmouth Bass		1.5	1.9	2.4	2.9		2.8	1.9	3.4	2.9		2.46
	Walleye		5.1	2.6	2.8	2.8		3.6	2.7	2.8	3.8		3.28
	White Sucker		0.8	2.3	0.3	0.2		0.6	1.6	0.5	0.5		0.85
	Yellow Perch		7.5	0.5	4.5	24.9		1.5	2.1	0.6	0.9		5.31
boat shocker (night)	Walleye*	17.0	1.5										9.25
boat shocker (night, DC)	Smallmouth Bass	28.0											28.00
fall night EF-WAE*	Walleye				1.5	40.0				1.5			14.33
frame net (std 3/4 in)	Black Bullhead				9.1	3.5		4.1	7.8	11.3	10.2		7.67
	Black Crappie				3.6	1.2		2.8	1.2	1.6	0.4		1.80
	Bluegill				67.8	95.3		51.3	45.8	66.6	42.0		61.47
	Common Carp				0.1	0.0		0.1	0.0	0.0	0.0		0.03
	Largemouth Bass				0.1	0.1		0.2	0.0	0.0	0.0		0.07
	Northern Pike				0.6	0.7		1.9	0.9	0.3	0.6		0.83
	Smallmouth Bass				0.2	0.8		1.8	0.9	1.4	0.5		0.93
	Walleye				0.0	0.5		0.2	0.3	0.2	0.9		0.35
	White Sucker				0.1	0.0		0.2	0.2	0.0	0.0		0.08

		CPUE										
Gear	Species	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Avg
frame net (std 3/4 in)	Yellow Bullhead				0.0	0.0		0.0	0.0	0.0	0.1	0.02
	Yellow Perch				6.0	2.1		0.4	0.9	0.9	0.8	1.85
spring day EF*	Smallmouth Bass								6.0			6.00
spring night EF-LMB*	Largemouth Bass						88.8				36.0	62.40
	Smallmouth Bass						0.0				2.0	1.00
std exp gill net	Bigmouth Buffalo	0.0										0.00
	Black Bullhead	10.3										10.30
	Black Crappie	1.5										1.50
	Bluegill	1.5										1.50
	Northern Pike	5.5										5.50
	Smallmouth Bass	3.0										3.00
	Walleye	10.8										10.80
	White Sucker	1.3										1.30
	Yellow Perch	7.0										7.00

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.

Gear	Species	Index	Year															
			2015	2016	2017	2018	2019	2020	2021	2022	2023	2024						
AFS std frame net	Black Bullhead	PSD		96	100													
		PSD-P		84	88													
		Wr		102	88													
	Black Crappie	PSD		82	10													
		PSD-P		73	10													
		Wr		95	108													
	Bluegill	PSD		25	8													
		PSD-P		3	2													
		Wr		108	104													
	Largemouth Bass	PSD		0	100													
		PSD-P		0	100													
		Wr			111													
	Northern Pike	PSD		85	93													
		PSD-P		15	20													
		Wr		81	81													
	Smallmouth Bass	PSD		100	60													
		PSD-P		100	60													
		Wr		70	96													
Walleye	PSD			100														
	PSD-P			100														
	Wr			90														
Yellow Perch	PSD		7	4														
	PSD-P		0	4														
	Wr		85	88														
AFS std gill net	Black Bullhead	PSD		97	100	82	64		98	67	97	100						
		PSD-P		78	90	81	14		27	43	16	33						
		Wr		102	95	92	103		91	94	98	97						
	Black Crappie	PSD		67	31	51	39		98	100	95	65						
		PSD-P		67	31	24	26		12	29	79	47						
		Wr		100	108	102	106		100	97	97	103						
	Bluegill	PSD		42	39	0	7		91	97	81	95						
		PSD-P		13	22	0	0		1	4	14	25						
		Wr		111	111	108	110		107	104	110	114						

Gear	Species	Index	Year									
			2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
AFS std gill net	Largemouth Bass	PSD		100	0	100	67		67	100	100	100
		PSD-P		0	0	0	33		67	33	100	100
		Wr		115	129	125	121		120	118	111	105
	Northern Pike	PSD		69	76	71	92		86	77	60	46
		PSD-P		0	5	7	8		5	43	10	14
		Wr		90	85	91	90		84	86	86	87
	Smallmouth Bass	PSD		89	100	83	89		71	78	88	89
		PSD-P		61	91	66	86		50	57	66	77
		Wr		104	95	103	93		94	89	95	95
	Walleye	PSD		70	84	73	82		67	41	27	74
		PSD-P		11	16	24	33		49	41	21	22
		Wr		93	87	91	90		83	86	86	90
	White Sucker	PSD		100	100	100	100		100	100	100	100
		PSD-P		100	100	100	100		100	100	100	100
		Wr		106	102	96	94		100	110	105	112
	Yellow Perch	PSD		9	17	4	1		0	16	0	27
		PSD-P		2	0	0	0		0	0	0	0
		Wr		94	90	90	102		91	88	197	97
boat shocker (night)	Walleye	PSD	0	0								
		PSD-P	0	0								
		Wr	92	80								
boat shocker (night, DC)	Smallmouth Bass	PSD	71									
		PSD-P	50									
		Wr	102									
frame net (std 3/4 in)	Black Bullhead	PSD				86	87		96	89	98	100
		PSD-P				81	59		61	52	49	46
		Wr				85	86		88	90	90	106
	Black Crappie	PSD				53	33		100	100	55	75
		PSD-P				24	14		6	32	38	75
		Wr				95	105		97	97	103	93
	Bluegill	PSD				20	23		77	81	73	71
		PSD-P				4	4		5	4	6	8
		Wr				99	103		105	105	107	110
	Largemouth Bass	PSD				100	0		67		0	
		PSD-P				50	0		0		0	
		Wr				112	105		103			

Gear	Species	Index	Year									
			2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
frame net (std 3/4 in)	Northern Pike	PSD				80	67		29	25	17	50
		PSD-P				20	8		0	0	0	10
		Wr				78	86		75	80	79	89
	Smallmouth Bass	PSD				67	87		66	53	73	56
		PSD-P				67	73		50	53	65	33
		Wr				91	95		86	91	85	98
	Walleye	PSD				0	33		50	40	33	35
		PSD-P				0	0		25	20	0	18
		Wr					86		76	87	94	82
	White Sucker	PSD				100			100	100		
		PSD-P				100			100	100		
		Wr				103			93	117		
	Yellow Bullhead	PSD										100
		PSD-P										0
	Yellow Perch	PSD				5	8		25	41	56	47
PSD-P					0	0		0	0	0	0	
Wr					84	88		100	86	81	84	
spring day EF	Smallmouth Bass	PSD								67		
		PSD-P								33		
spring night EF-LMB	Largemouth Bass	PSD						61				61
		PSD-P						32				31
		Wr						114				106
	Smallmouth Bass	PSD										50
		PSD-P										0
		Wr										102
std exp gill net	Black Bullhead	PSD	97									
		PSD-P	15									
		Wr	99									
	Black Crappie	PSD	100									
		PSD-P	100									
		Wr	100									
	Bluegill	PSD	44									
		PSD-P	22									
		Wr	113									
	Northern Pike	PSD	55									
		PSD-P	3									

Gear	Species	Index	Year											
			2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
std exp gill net	Northern Pike	Wr	84											
		PSD	89											
	Walleye	PSD-P	72											
		Wr	97											
		PSD	37											
	White Sucker	PSD-P	5											
		Wr	88											
		PSD	100											
	Yellow Perch	PSD-P	63											
		Wr	99											
		PSD	24											
		PSD-P	0											
			Wr	93										

Length at Capture

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

Species: Black Crappie

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2021	51			230 (21)	235 (28)		266 (2)				

Species: Bluegill

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2024	751			120 (193)	163 (230)		187 (185)	199 (120)	196 (24)		
2023	1197		103 (122)	129 (198)	164 (12)	174 (203)	181 (505)	192 (158)			
2022	825		101 (34)	118 (76)	155 (129)	176 (387)	190 (157)	190 (37)	213 (4)	223 (1)	
2021	905		106 (45)	135 (96)	166 (433)	184 (289)	193 (35)	216 (4)	217 (5)	222 (1)	245 (1)
2019	1714		93 (374)	119 (823)	151 (346)	181 (92)	204 (56)	205 (14)		224 (9)	
2018	1084		101 (555)	138 (395)	162 (48)	192 (66)	216 (15)	218 (5)			
2017	369	95 (154)	111 (165)	144 (28)	178 (12)	198 (9)	213 (3)				
2016	611	61 (362)	97 (98)	138 (108)	177 (27)	191 (12)	227 (6)				

Species: Largemouth Bass

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2024	19		217 (4)	272 (9)	309 (2)	336 (3)	334 (1)				
2020	41		209 (16)	245 (6)	264 (4)	326 (16)					

Species: Smallmouth Bass

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2024	2				279 (2)						
2015	28			218 (4)	280 (8)	374 (4)	358 (3)	412 (7)	461 (1)		461 (1)

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2024	46			322 (1)		399 (31)		446 (5)		523 (1)	655 (8)

Mean Length (expanded sample number) at capture by age

Year	N	1	2	3	4	5	6	7	8	9	10+
2023	37	225 (2)	225 (2)	285 (1)	332 (23)		427 (2)				637 (7)
2022	32			284 (15)		334 (4)		555 (1)		604 (3)	632 (9)
2021	51	271 (1)	240 (13)	311 (3)	393 (11)		559 (2)	511 (3)	556 (1)	551 (2)	625 (15)
2019	34		291 (7)		425 (6)	473 (2)	462 (4)		523 (9)	627 (2)	550 (4)
2018	33		325 (1)	354 (10)	406 (4)	434 (5)	522 (1)	506 (10)		668 (1)	656 (1)
2017	31		301 (2)	370 (4)	420 (6)	435 (1)	498 (15)	582 (1)	493 (1)		582 (1)
2016	61		277 (2)	339 (16)	384 (4)	456 (36)	505 (1)			639 (1)	693 (1)
2015	70	149 (1)	241 (5)	324 (7)	373 (52)	420 (1)	481 (3)	575 (1)			

Species: Yellow Perch

Mean Length (expanded sample number) at capture by age

Year	N	1	2	3	4	5	6	7	8	9	10+
2023	7		171 (1)		145 (1)	172 (2)	181 (3)				
2022	25				169 (10)	184 (14)	185 (1)	220 (1)			
2021	18			151 (4)	166 (13)	148 (1)					
2019	315		138 (262)	157 (39)	182 (14)						
2018	55		149 (5)	157 (38)	160 (9)	187 (2)			243 (1)		
2017	6		142 (1)	151 (2)	165 (1)	187 (1)	230 (1)				
2016	90		134 (2)	153 (69)	178 (11)	215 (1)	235 (6)	235 (1)			
2015	114	93 (3)	115 (72)	151 (27)		210 (11)	237 (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).

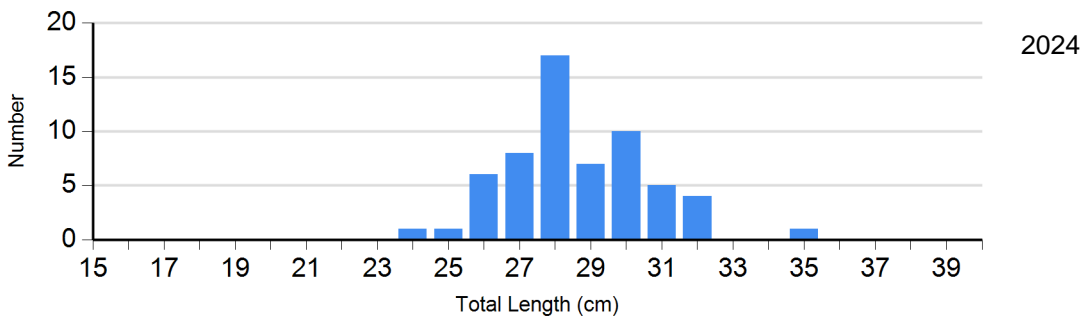
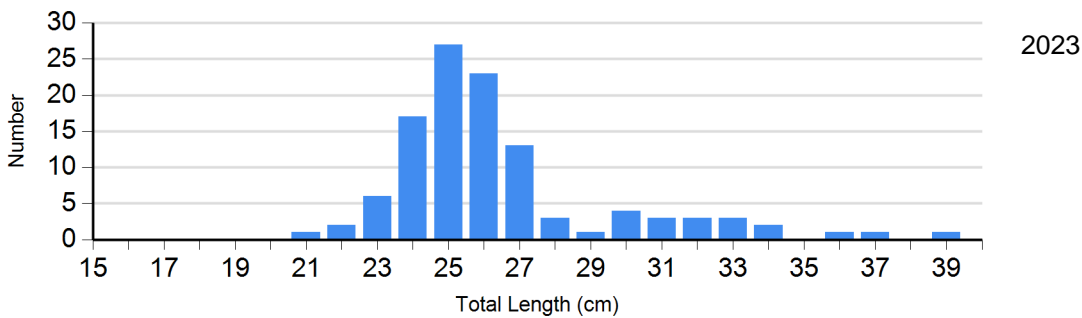
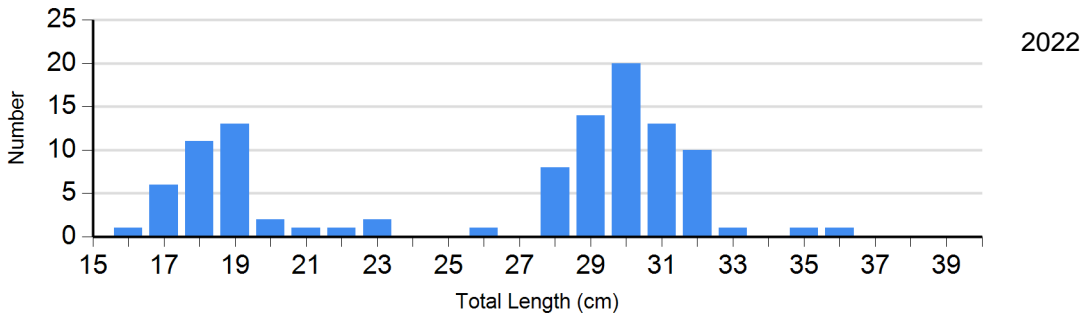
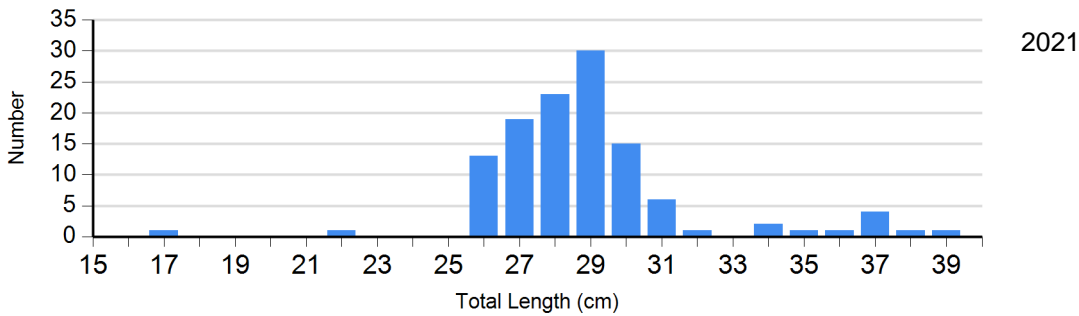
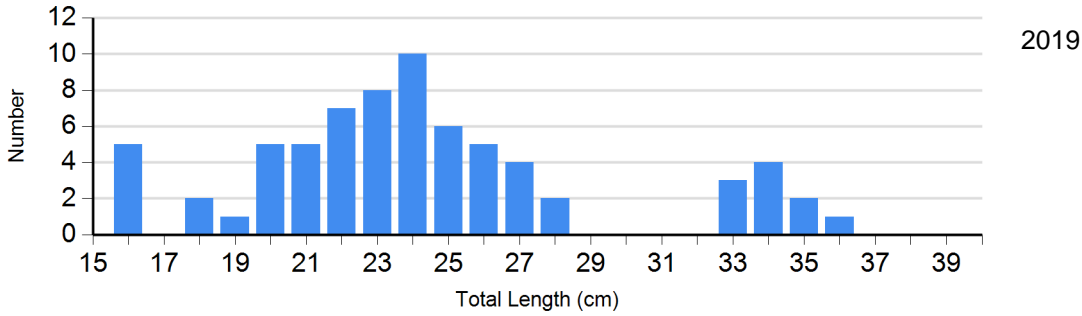
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Bullhead Gill Net	2021	2	92 (1.0)	85	94 (1.1)	30	85 (3.2)	2	71 (7.9)
	2022	35	96 (5.2)	25	96 (2.4)	46	92 (1.3)	0	
	2023	3	108 (7.7)	90	98 (1.1)	17	96 (3.3)	1	31
	2024	0		40	101 (1.4)	20	91 (2.3)	0	
Black Crappie Frame Net	2021	0		48	98 (0.9)	3	93 (2.7)	0	
	2022	0		15	97 (1.2)	6	94 (1.6)	1	
	2023	13	115 (5.0)	5	94 (3.5)	11	96 (3.3)	0	
	2024	2	100 (3.1)	0		6	91 (1.7)	0	
Bluegill Frame Net	2021	210	105 (0.5)	672	105 (0.7)	42	96 (0.6)	0	
	2022	159	102 (0.6)	632	105 (0.5)	34	103 (1.0)	0	
	2023	318	112 (0.6)	814	104 (0.4)	66	98 (1.2)	0	
	2024	216	108 (1.1)	481	112 (0.7)	59	108 (1.3)	0	
Largemouth Bass Electro Fishing	2020	29	115 (1.1)	21	114 (1.3)	24	113 (1.6)	0	
	2024	14	110 (1.5)	11	103 (1.6)	11	104 (2.0)	0	
Northern Pike Gill Net	2021	5	80 (1.9)	30	84 (1.2)	2	85	0	
	2022	8	81 (3.6)	12	83 (1.8)	14	91 (1.9)	1	97
	2023	8	90 (0.8)	10	82 (2.0)	2	86 (0.3)	0	
	2024	15	85 (1.0)	9	88 (2.7)	3	91 (2.2)	1	99
Smallmouth Bass Electro Fishing	2024	1	95	1	110	0		0	
Walleye Gill Net	2021	14	83 (1.4)	8	81 (1.9)	12	82 (2.0)	9	85 (1.4)
	2022	19	85 (1.1)	0		6	87 (2.2)	7	89 (2.5)
	2023	24	88 (1.2)	2	82 (2.3)	2	85 (4.2)	5	80 (2.7)

Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Walleye Gill Net	2024	12	88 (1.8)	24	91 (1.6)	4	96 (3.0)	6	91 (2.9)
White Sucker Gill Net	2021	0		0		1	98	6	100 (2.9)
	2022	0		0		6	111 (4.0)	13	109 (2.5)
	2023	0		0		1	108	5	105 (3.5)
	2024	0		0		0		6	112 (3.7)
Yellow Perch Gill Net	2021	18	91 (1.4)	0		0		0	
	2022	21	89 (1.1)	4	83 (2.5)	0		0	
	2023	7	197 (107.2)	0		0		0	
	2024	8	100 (3.9)	3	90 (2.3)	0		0	

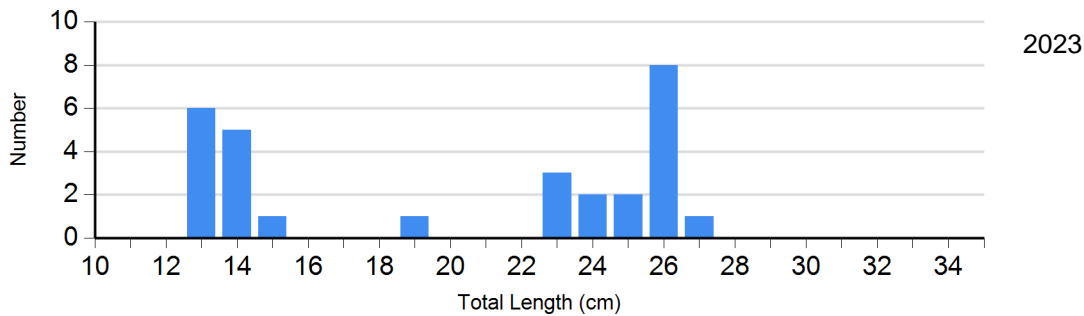
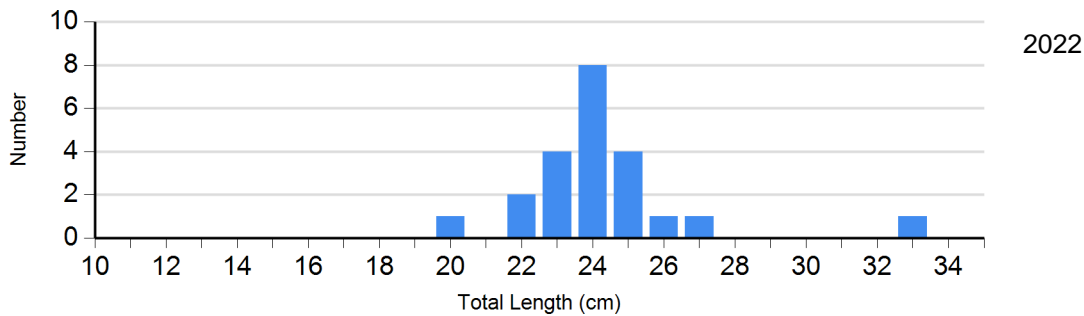
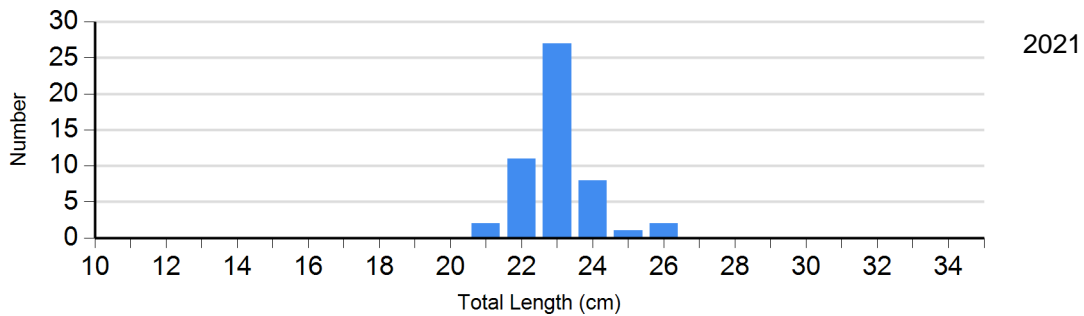
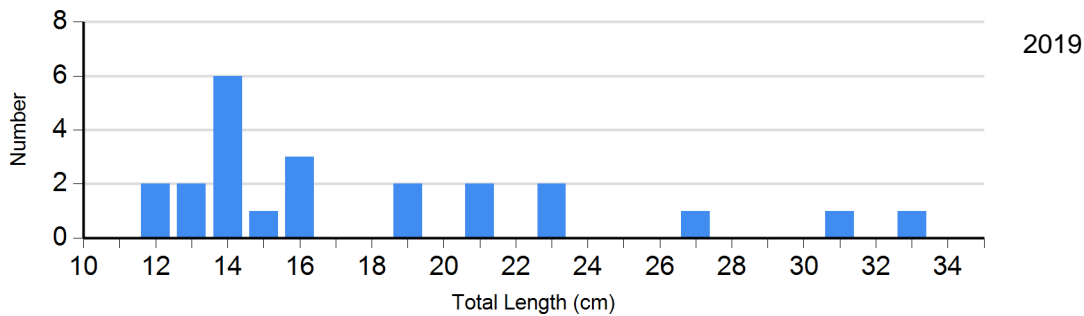
Length Frequency Distribution

Length frequency histogram of species sampled by year.

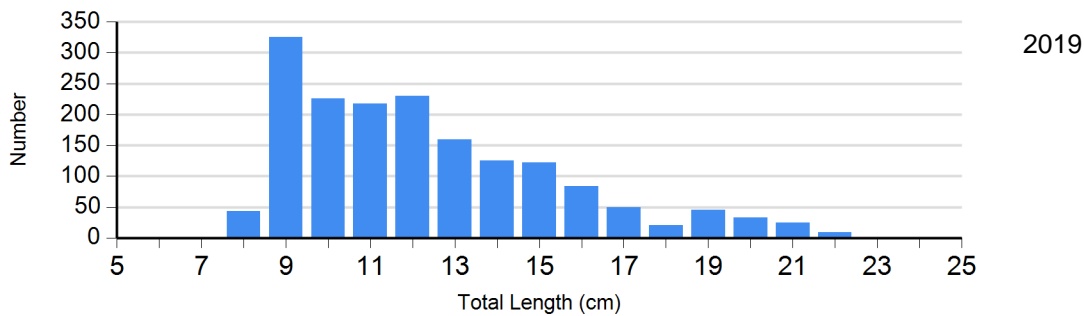
Species: Black Bullhead
Gear: AFS std gill net

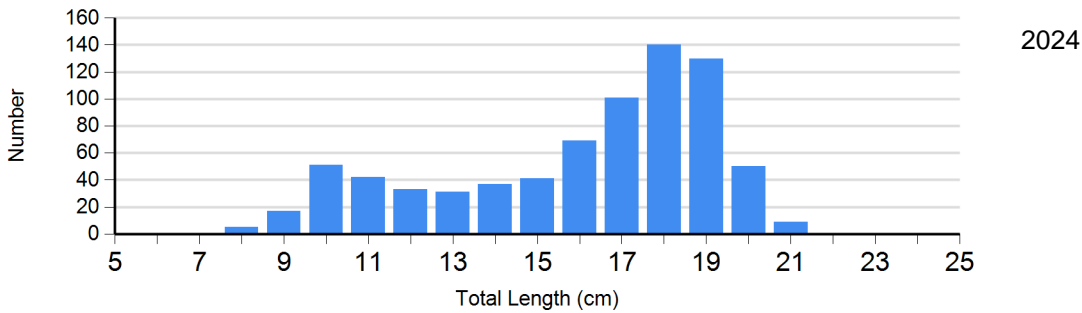
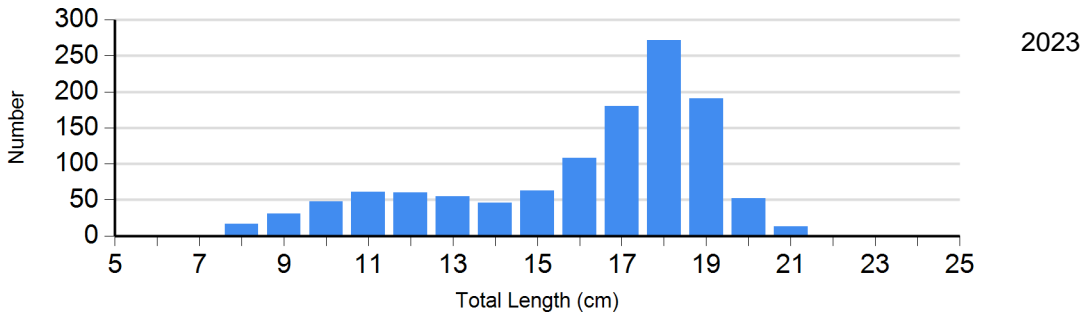
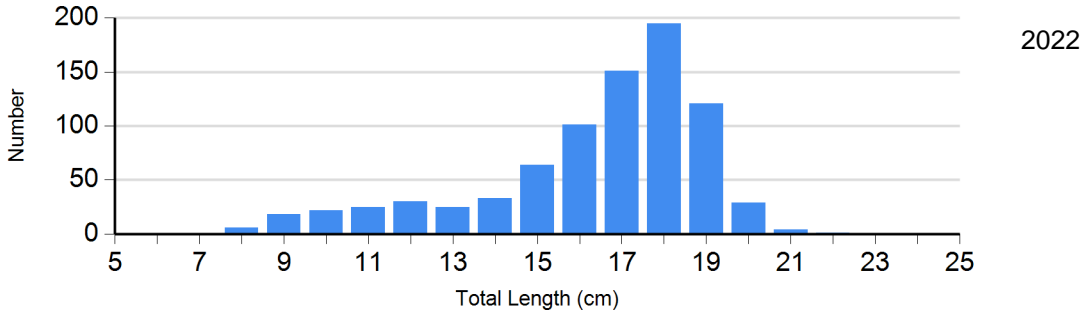
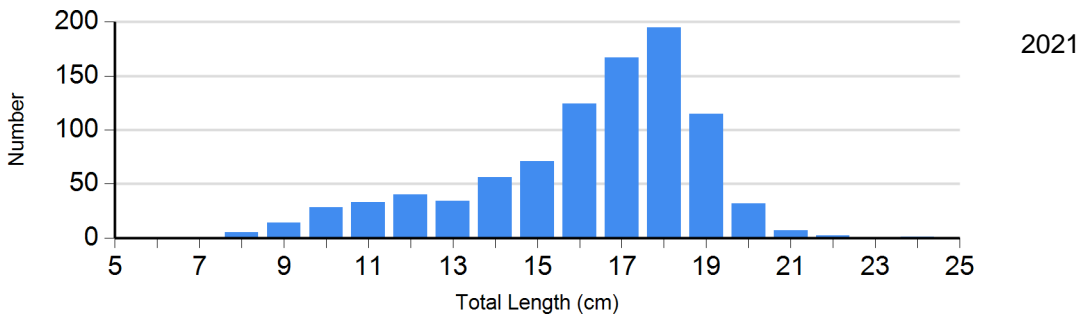


Species: Black Crappie
 Gear: frame net (std 3/4 in)

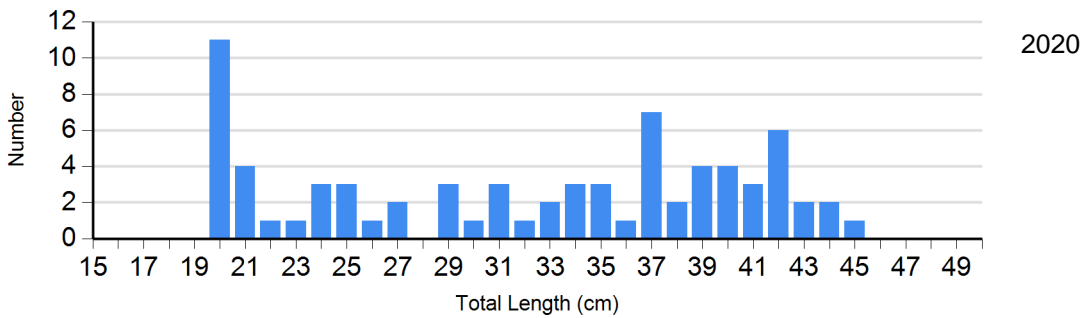


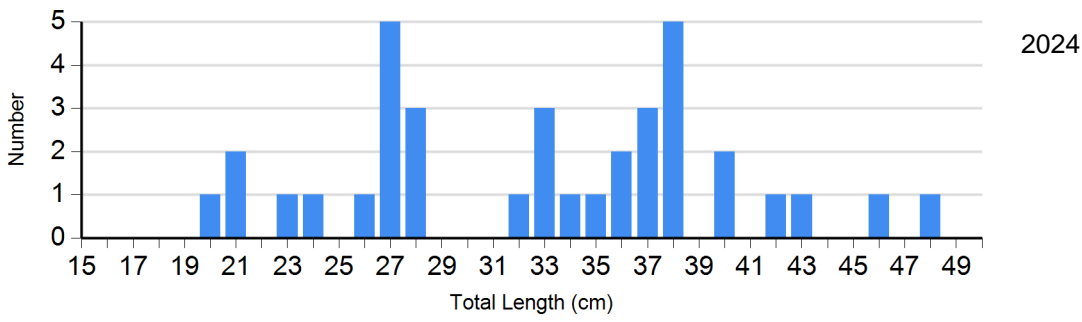
Species: Bluegill
 Gear: frame net (std 3/4 in)



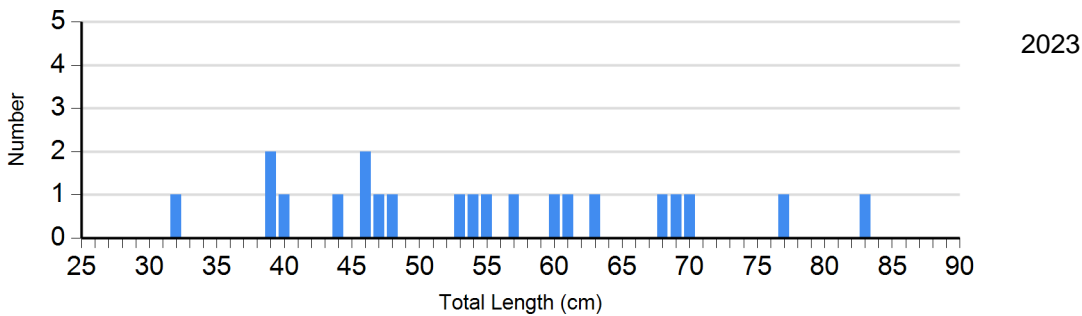
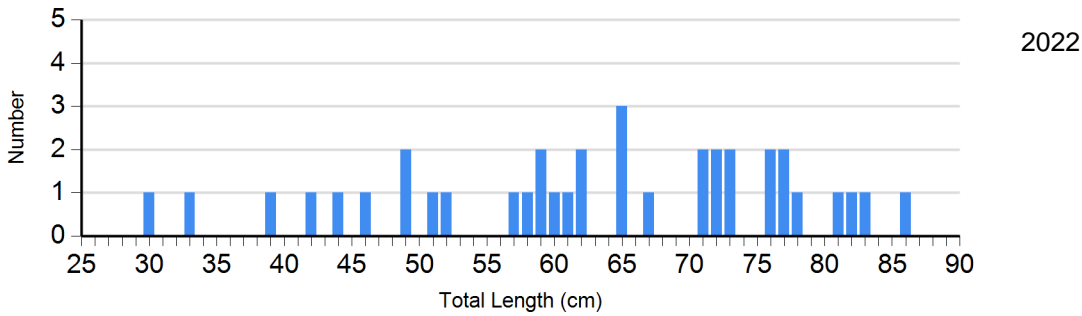
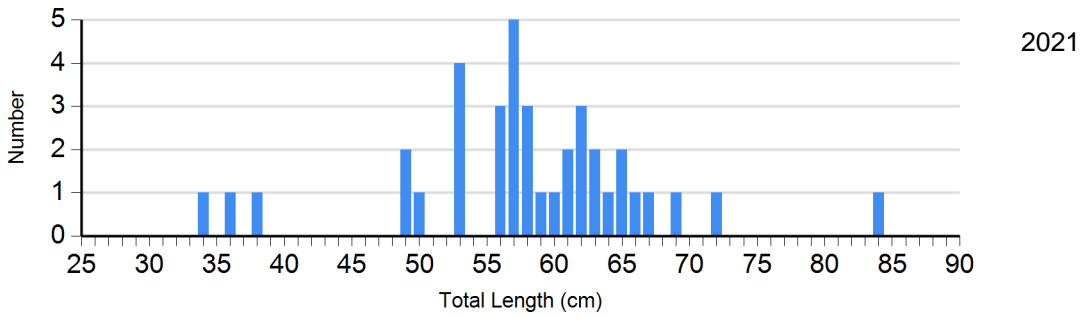
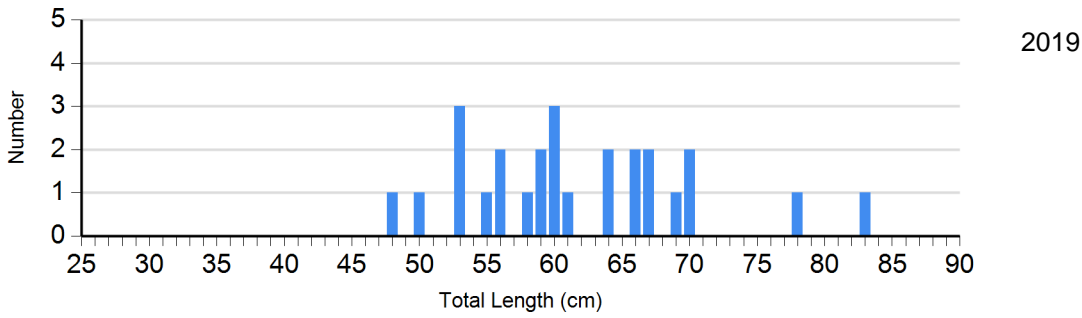


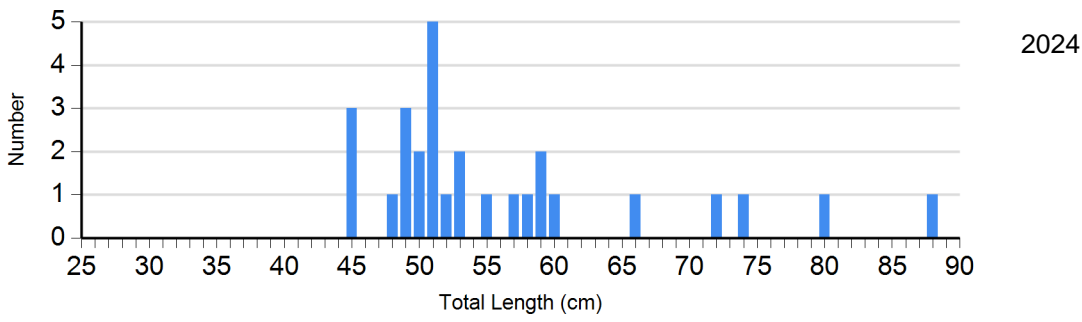
Species: Largemouth Bass
 Gear: spring night EF-LMB



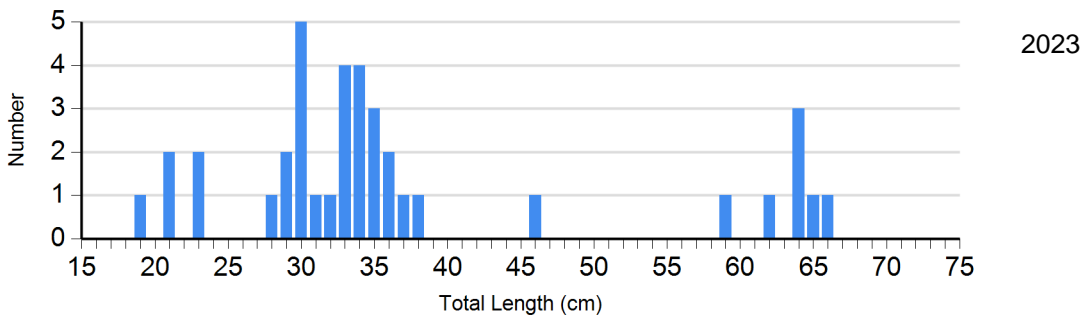
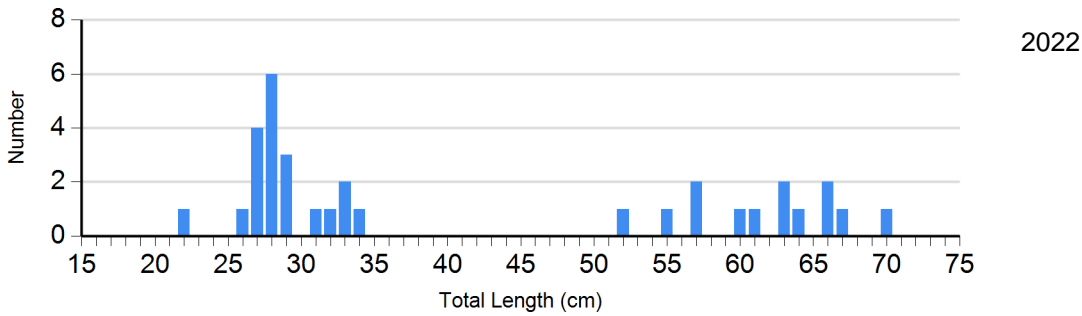
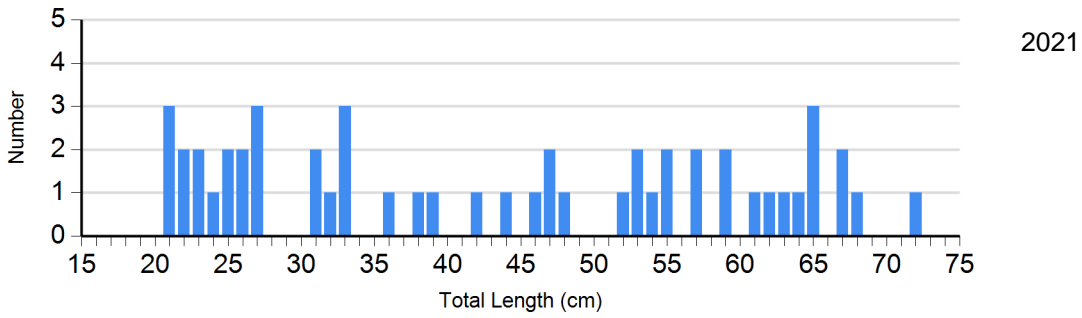
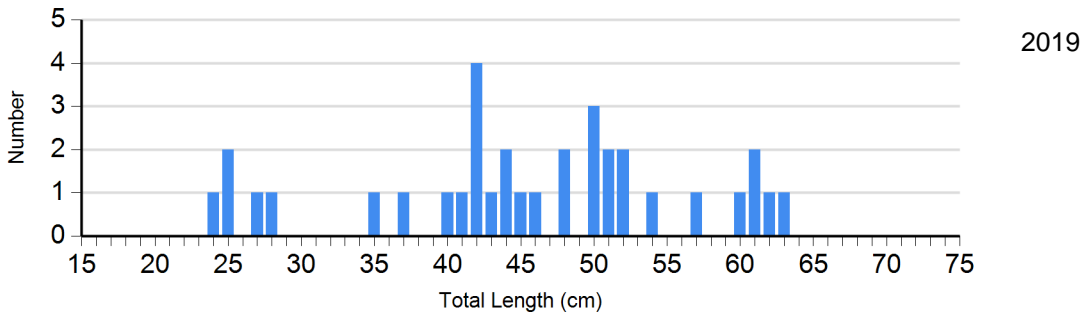


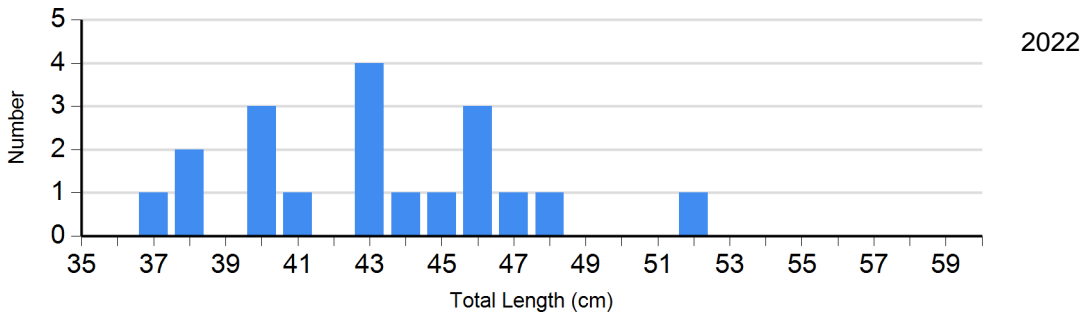
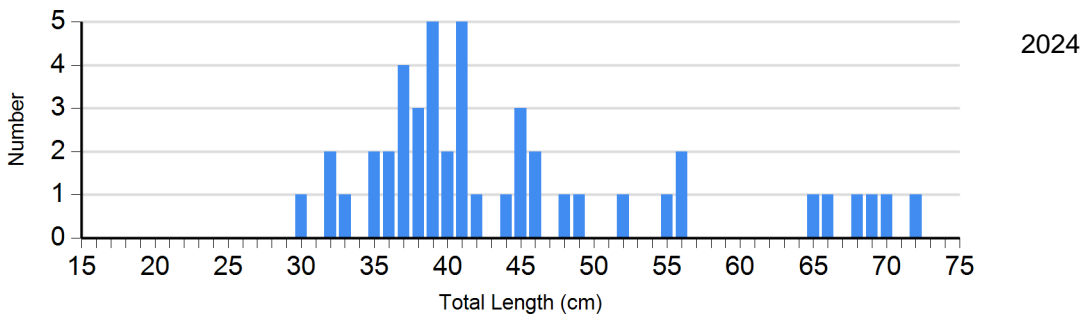
Species: Northern Pike
Gear: AFS std gill net



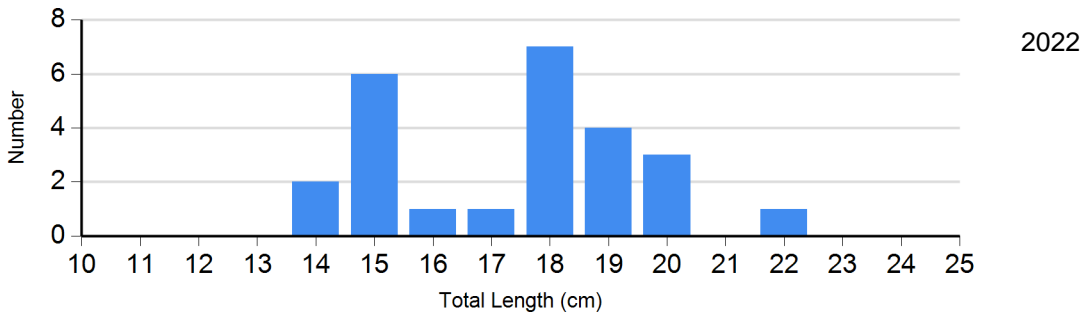
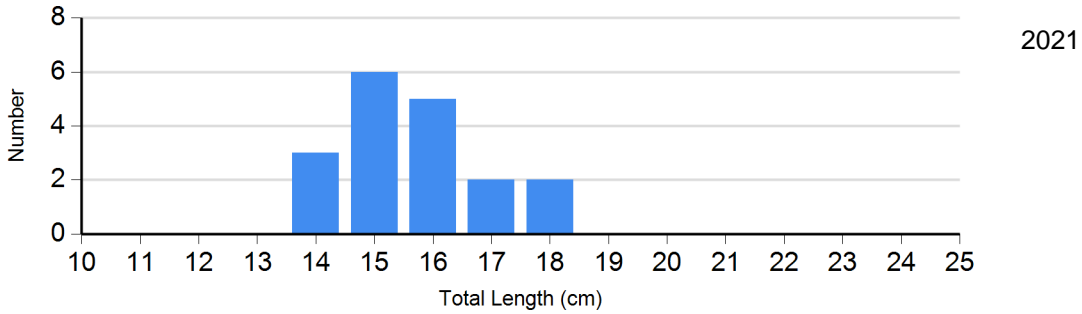
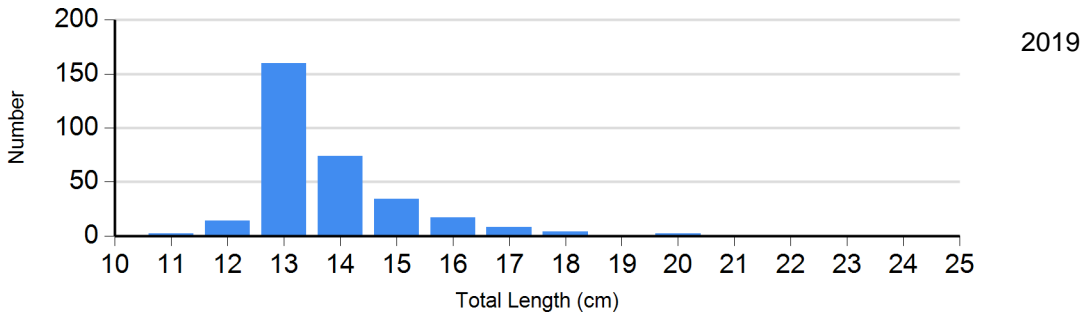


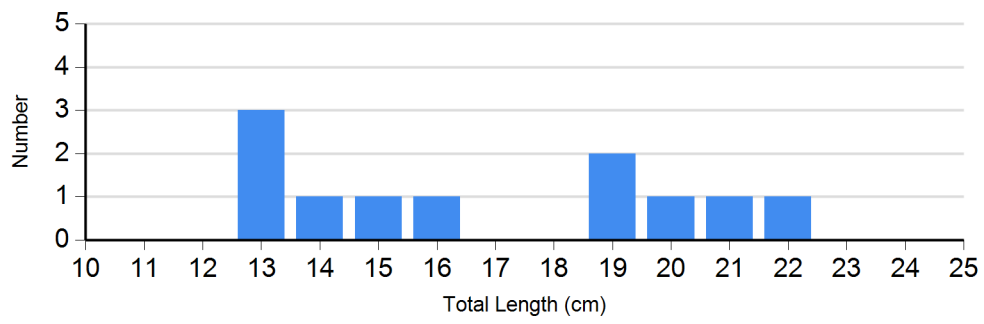
Species: Walleye
Gear: AFS std gill net





Species: Yellow Perch
Gear: AFS std gill net



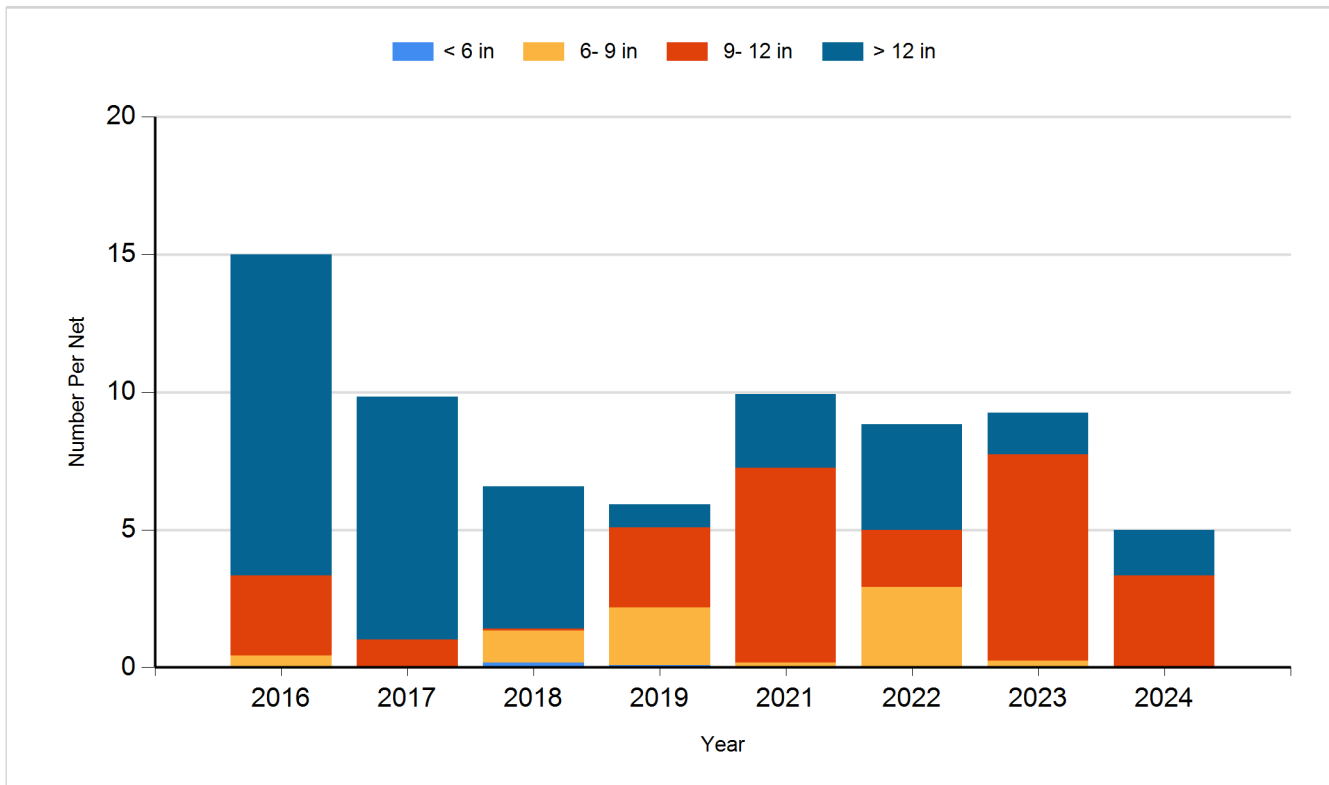


2024

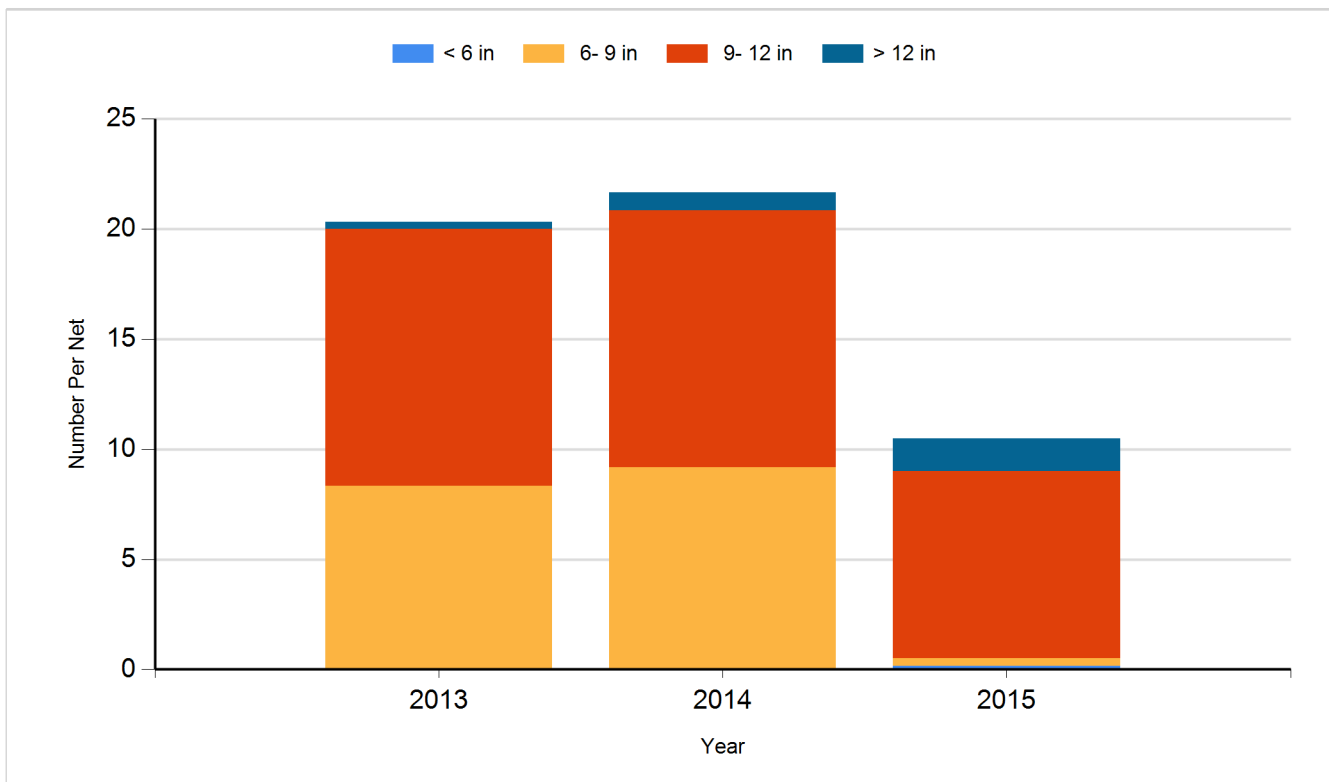
Historic Fish Sizes and Relative Abundance

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

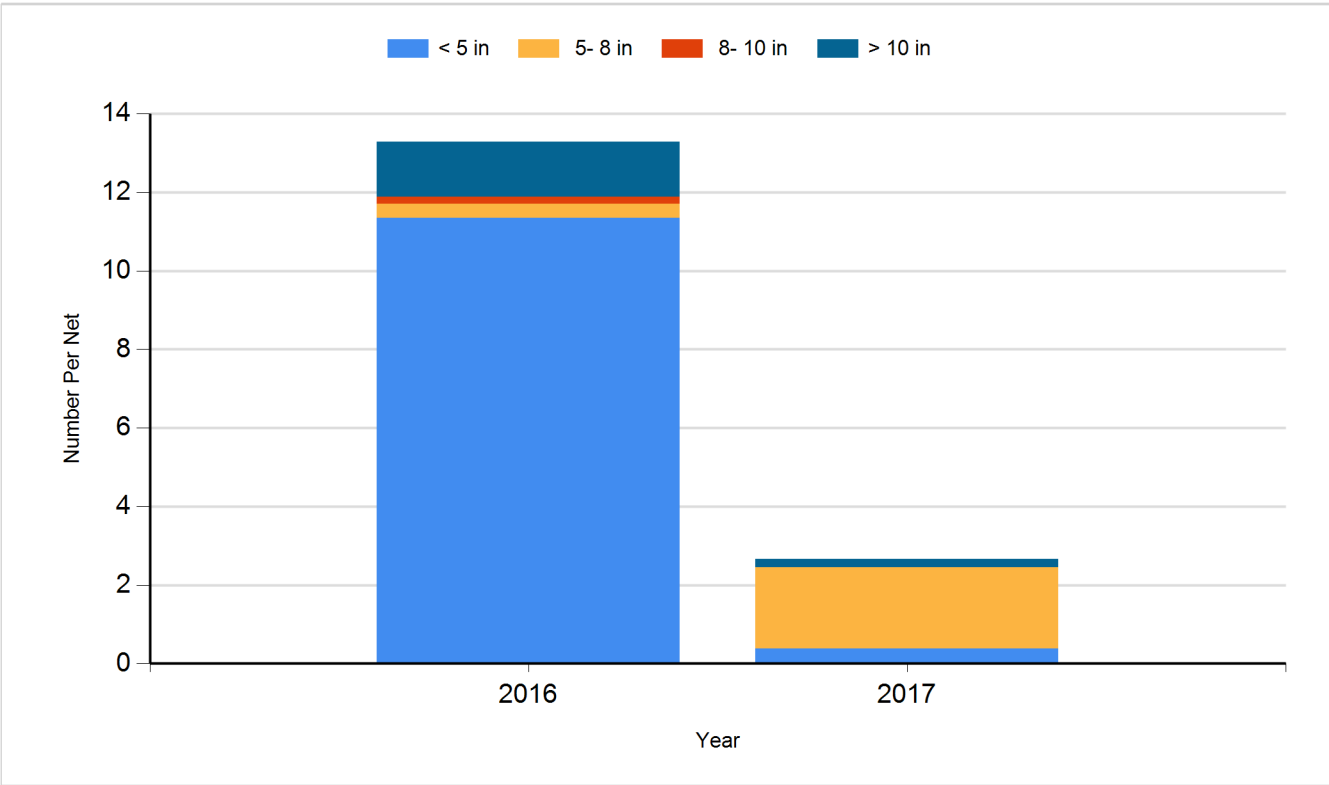
Species: Black Bullhead
Gear: AFS std gill net



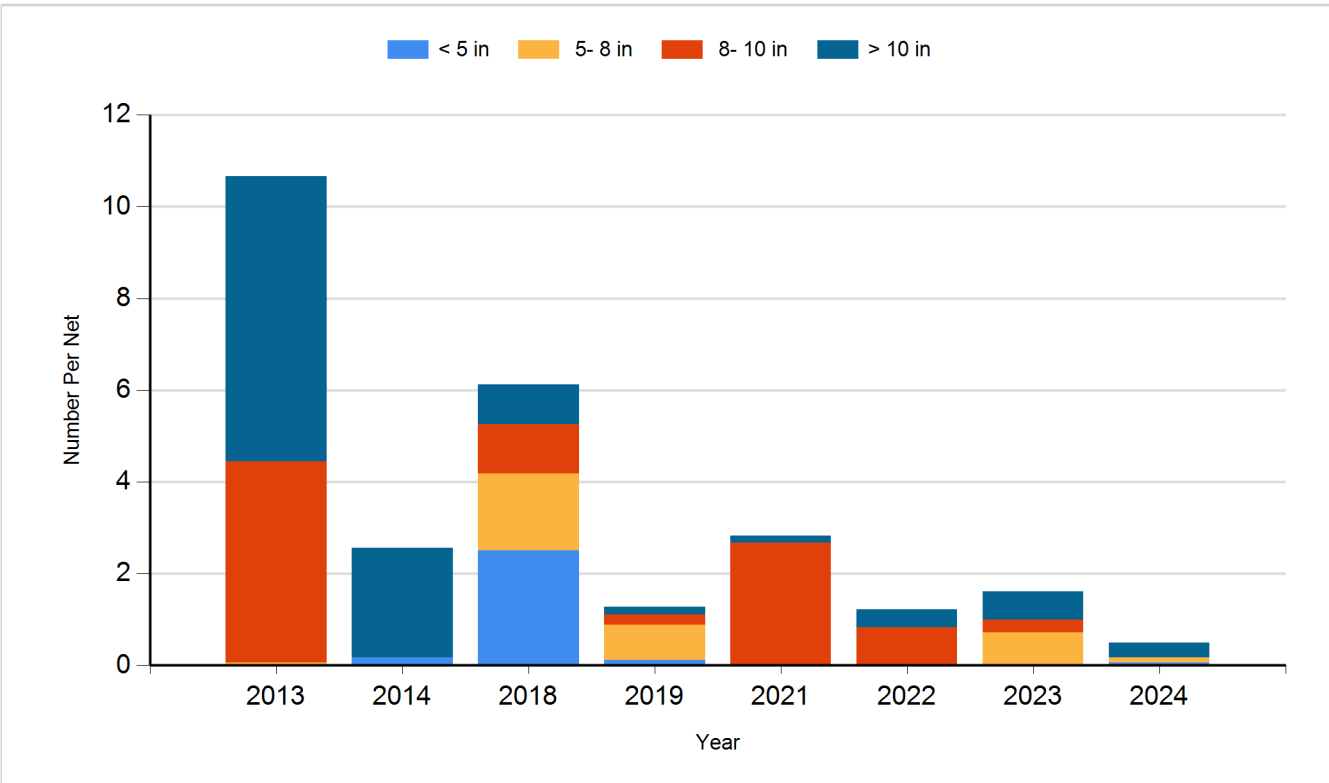
Species: Black Bullhead
Gear: std exp gill net



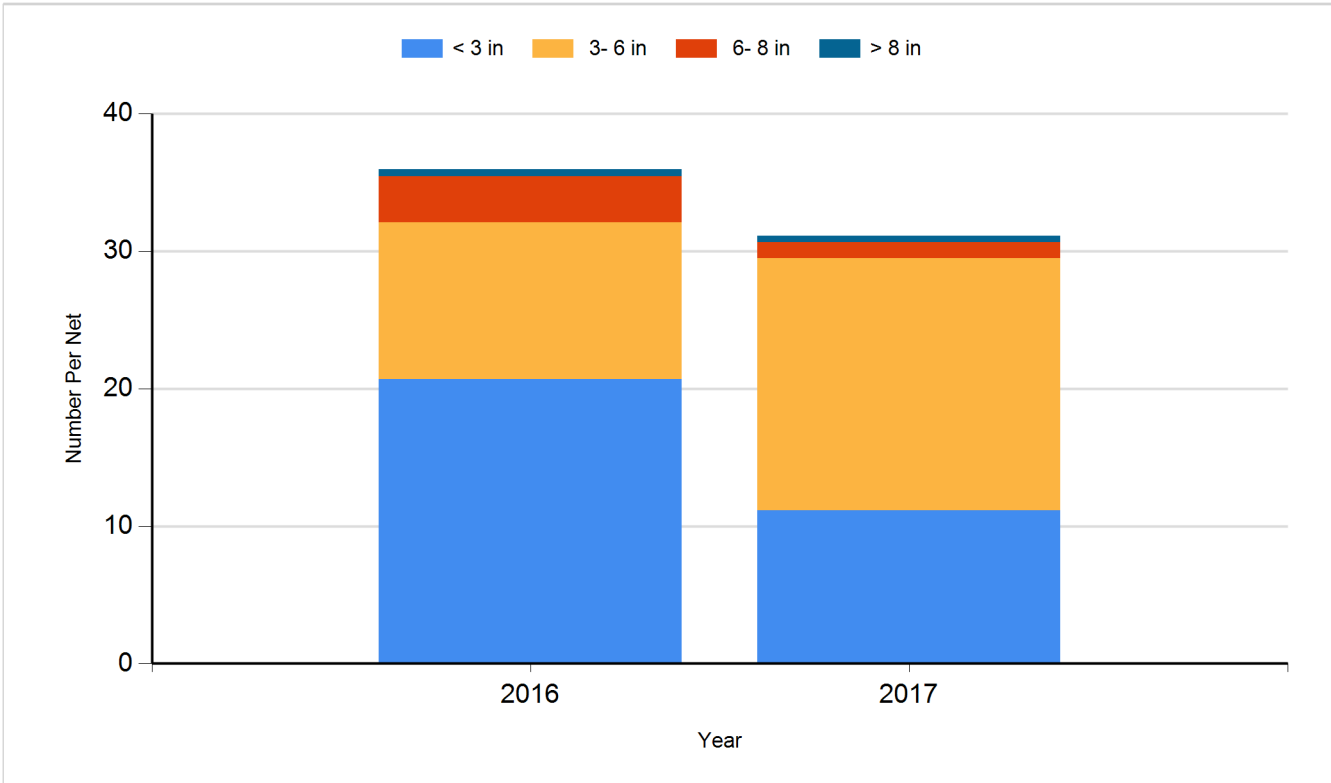
Species: Black Crappie
Gear: AFS std frame net



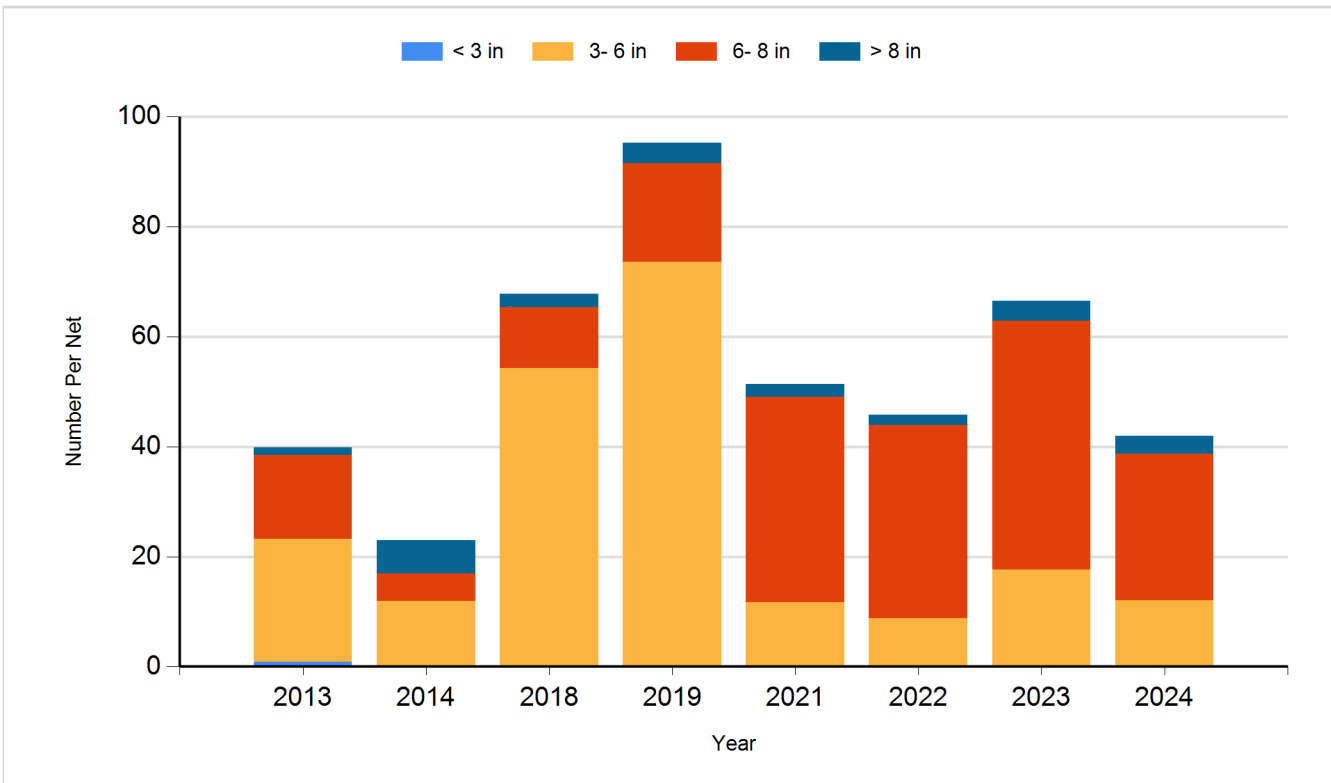
Species: Black Crappie
Gear: frame net (std 3/4 in)



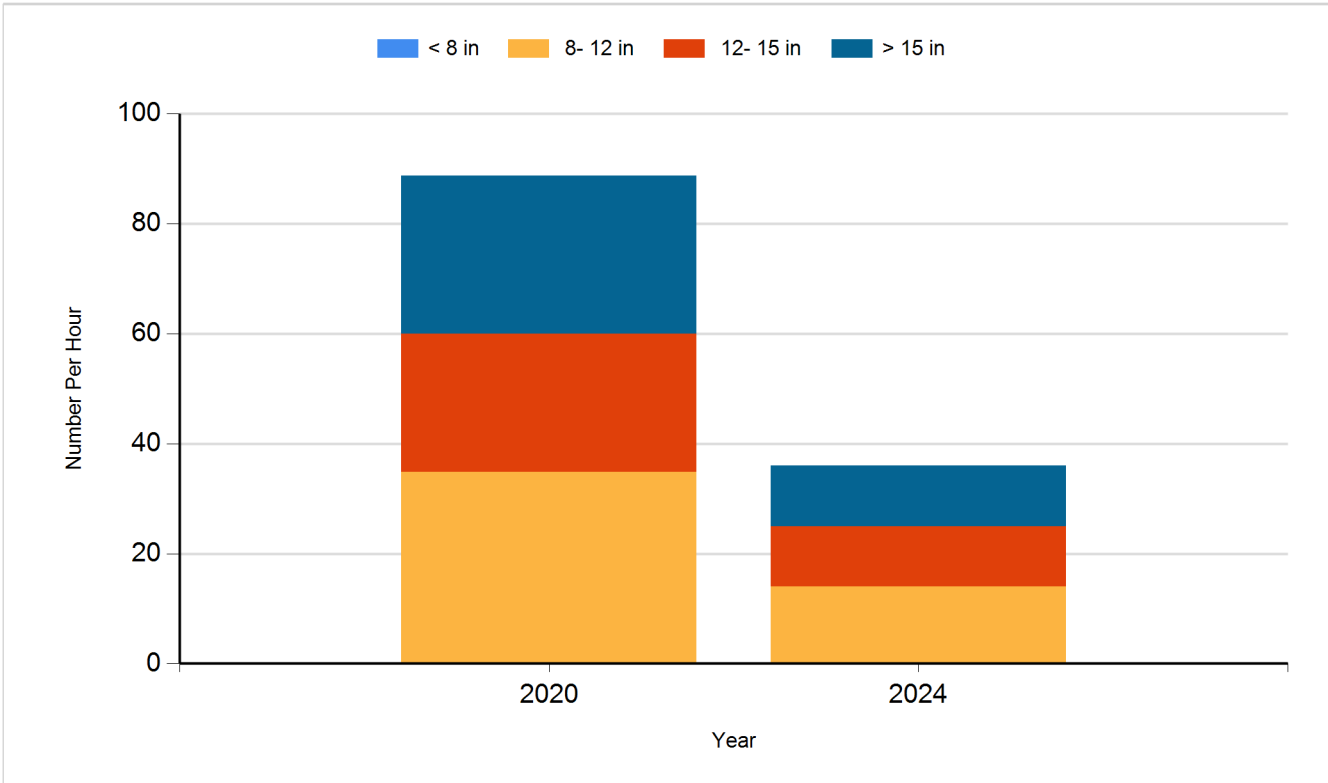
Species: Bluegill
Gear: AFS std frame net



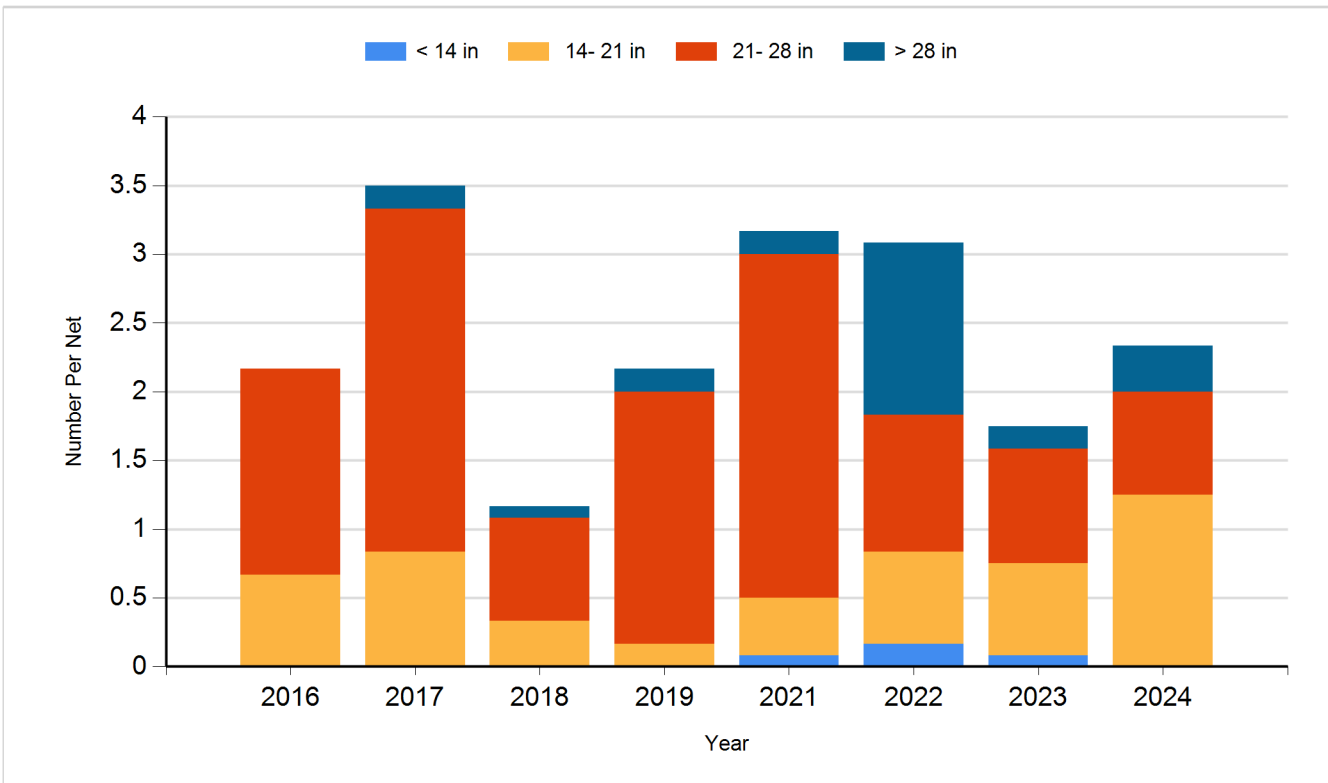
Species: Bluegill
Gear: frame net (std 3/4 in)



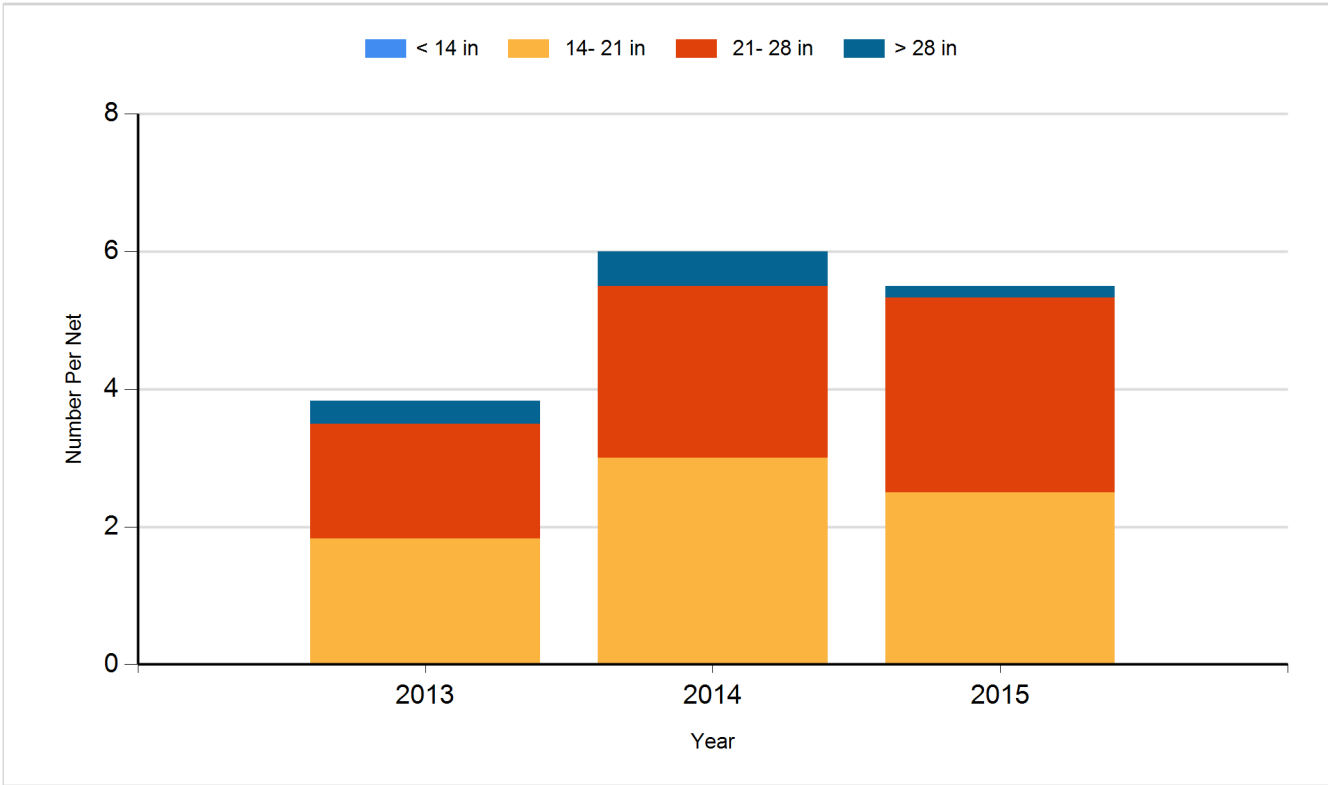
Species: Largemouth Bass
Gear: spring night EF-LMB



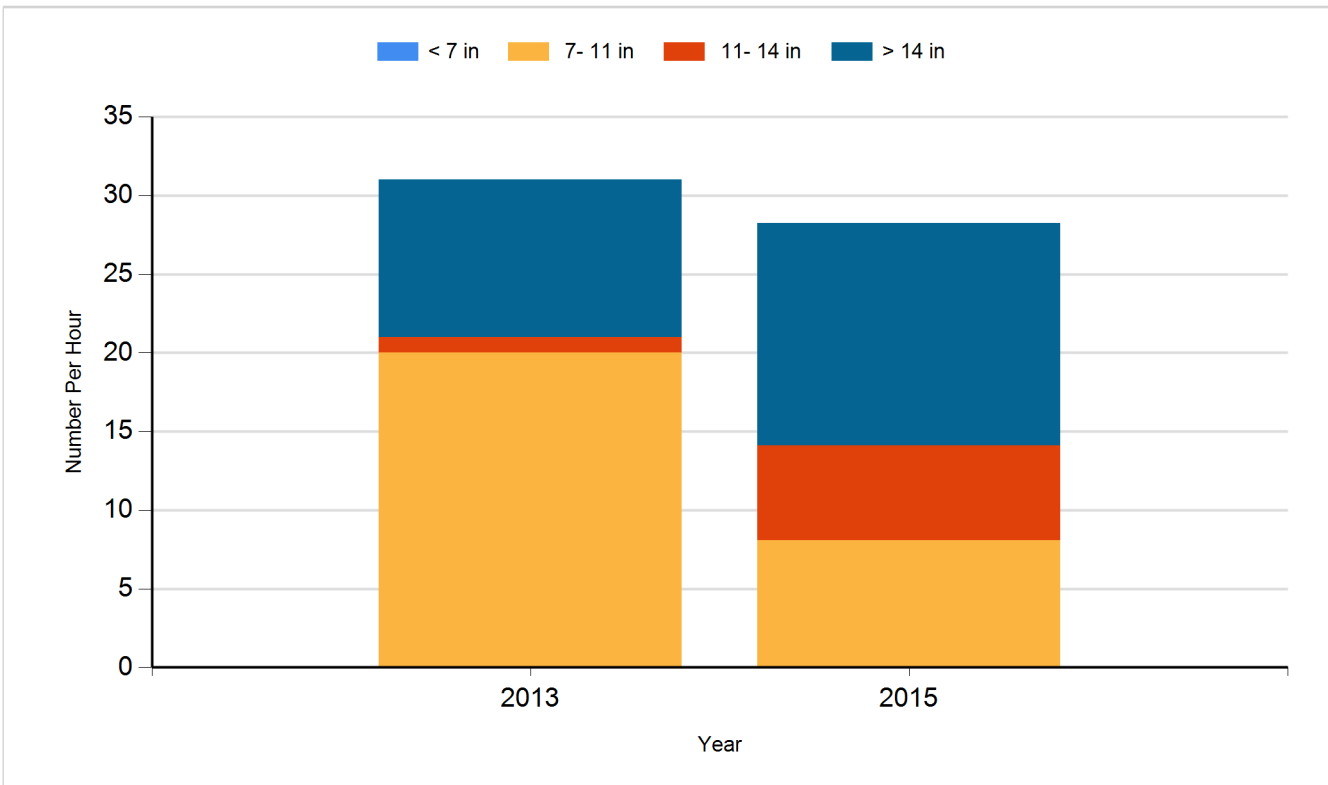
Species: Northern Pike
Gear: AFS std gill net



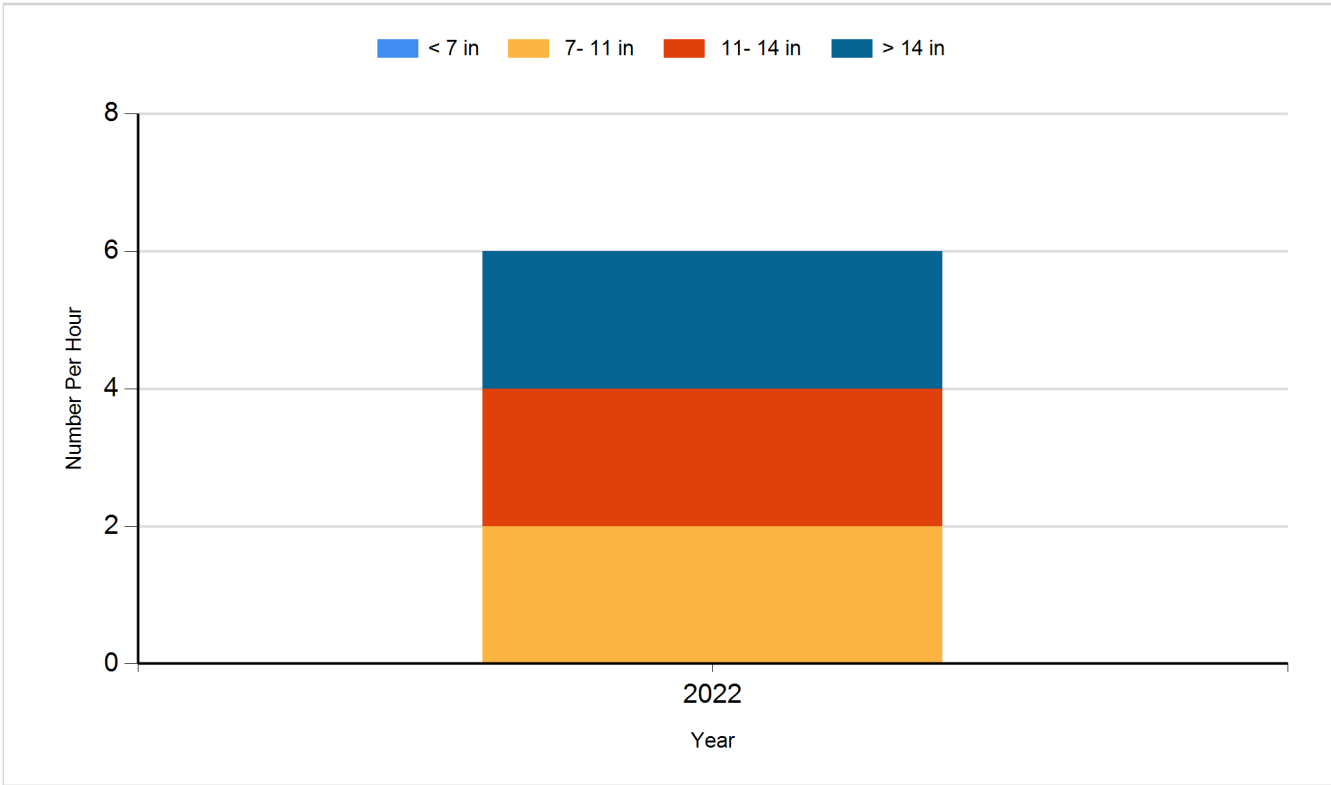
Species: Northern Pike
Gear: std exp gill net



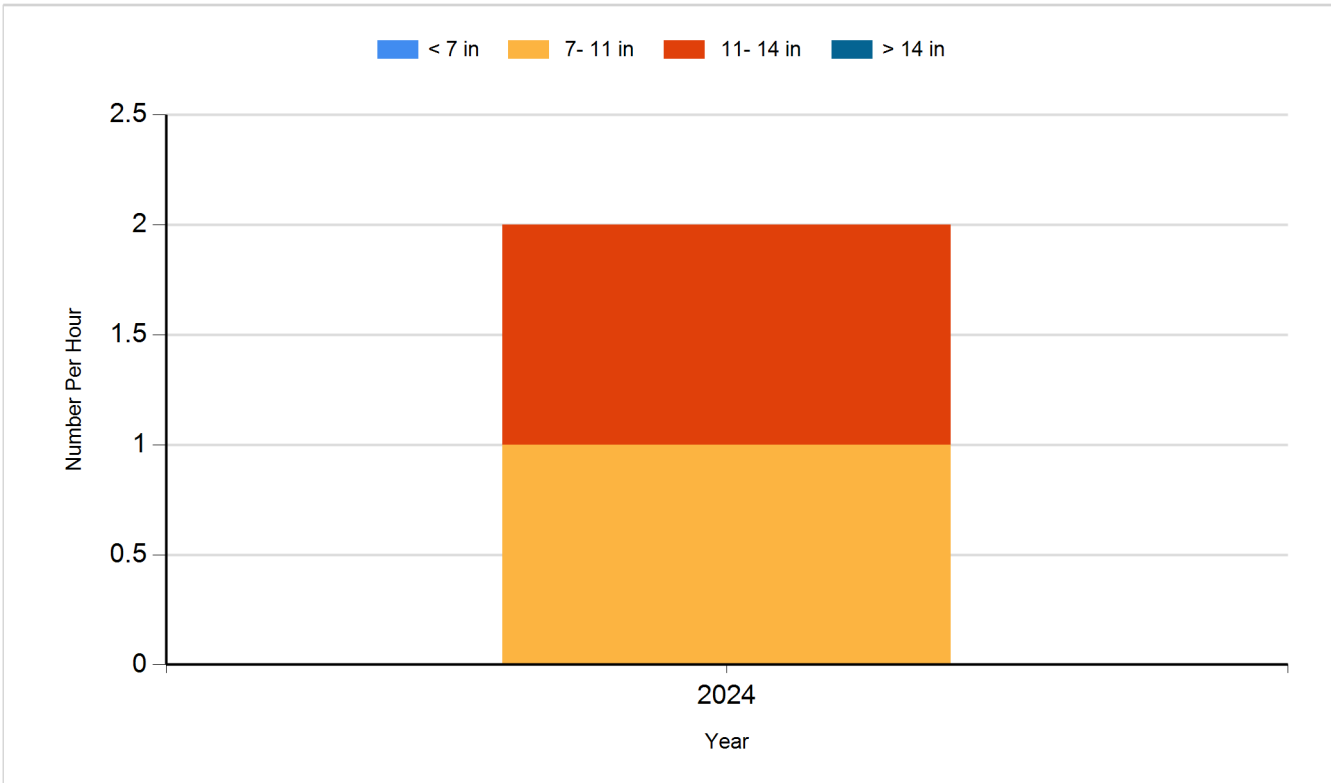
Species: Smallmouth Bass
Gear: boat shocker (night, DC)



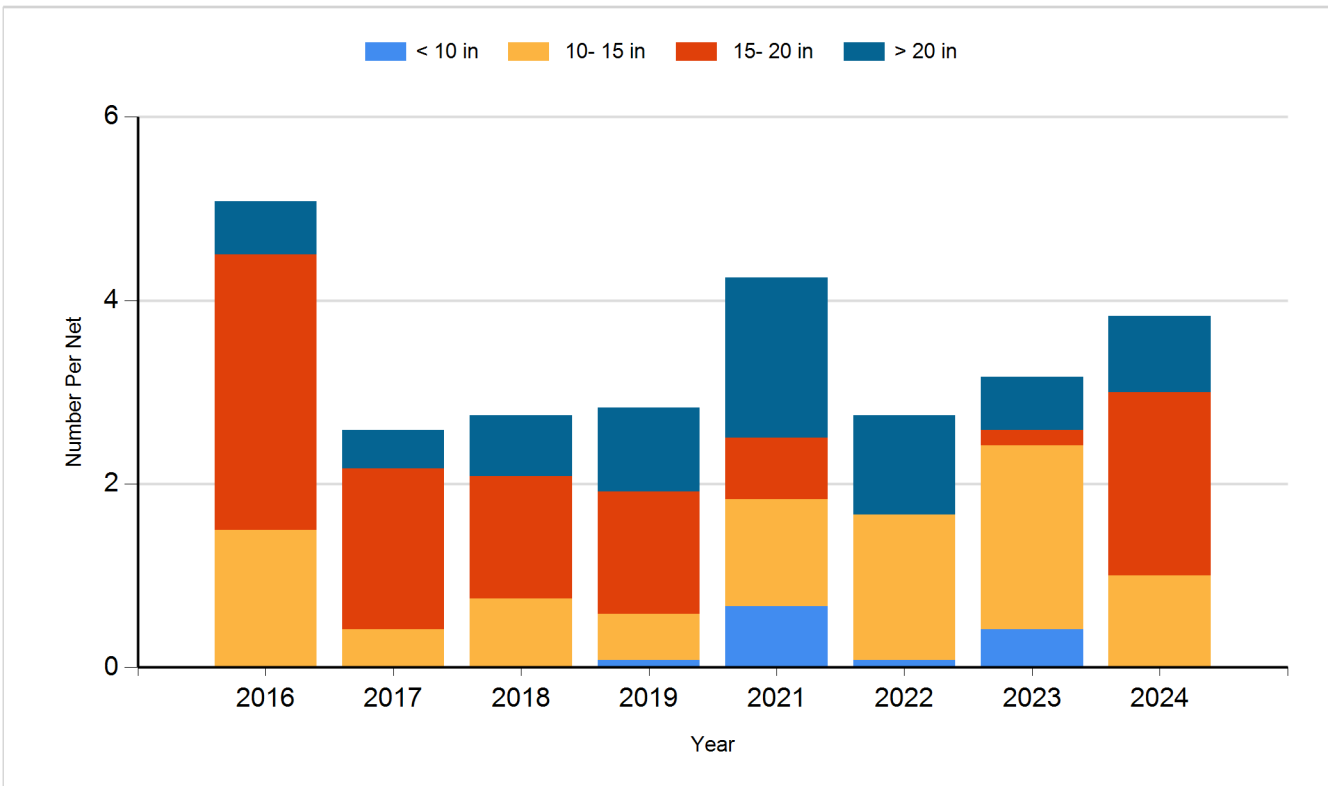
Species: Smallmouth Bass
Gear: spring day EF



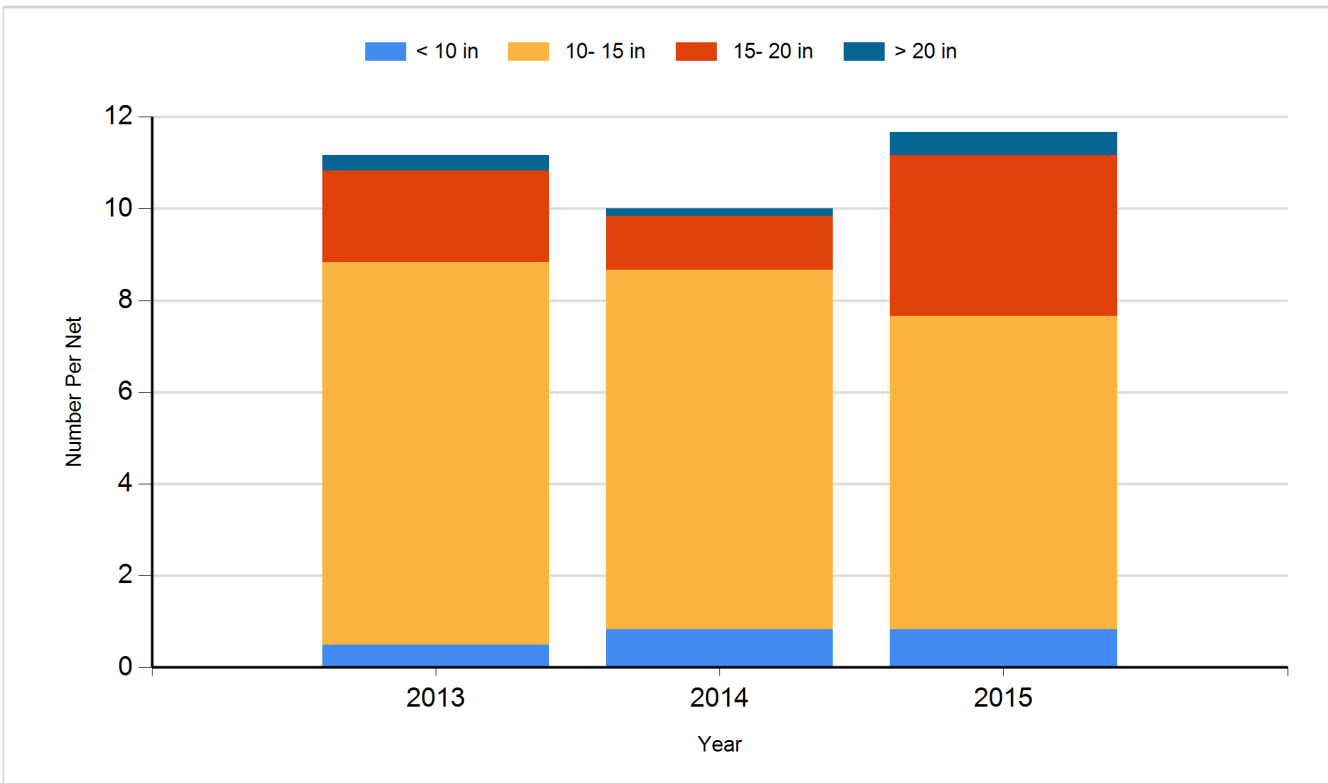
Species: Smallmouth Bass
Gear: spring night EF-LMB



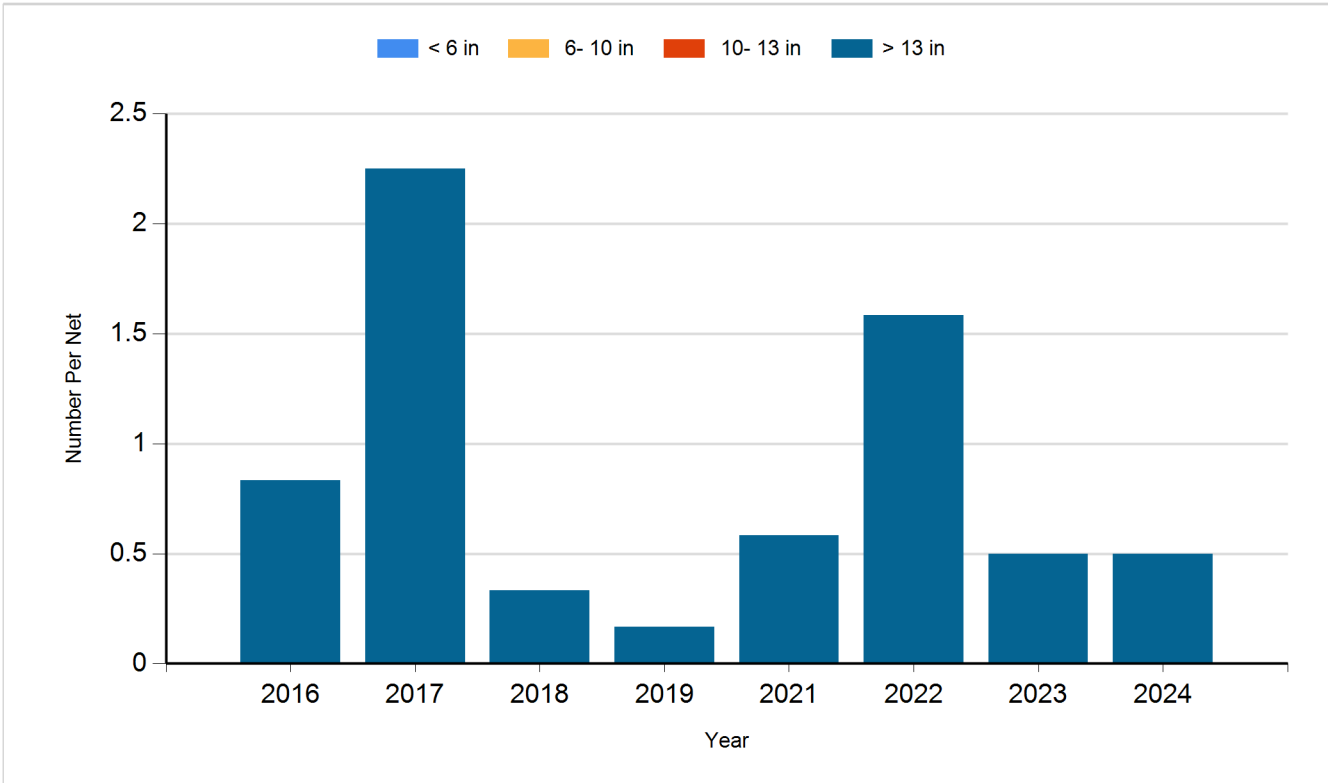
Species: Walleye
Gear: AFS std gill net



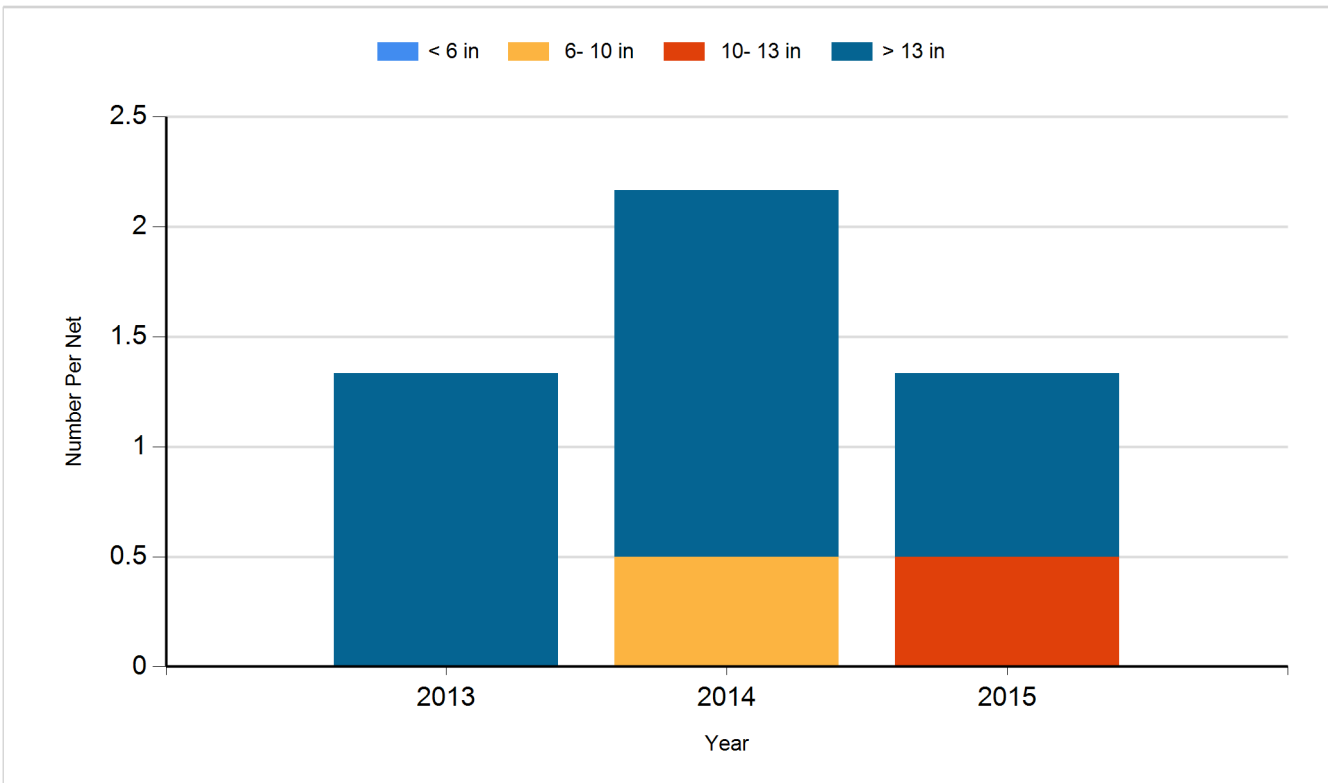
Species: Walleye
Gear: std exp gill net



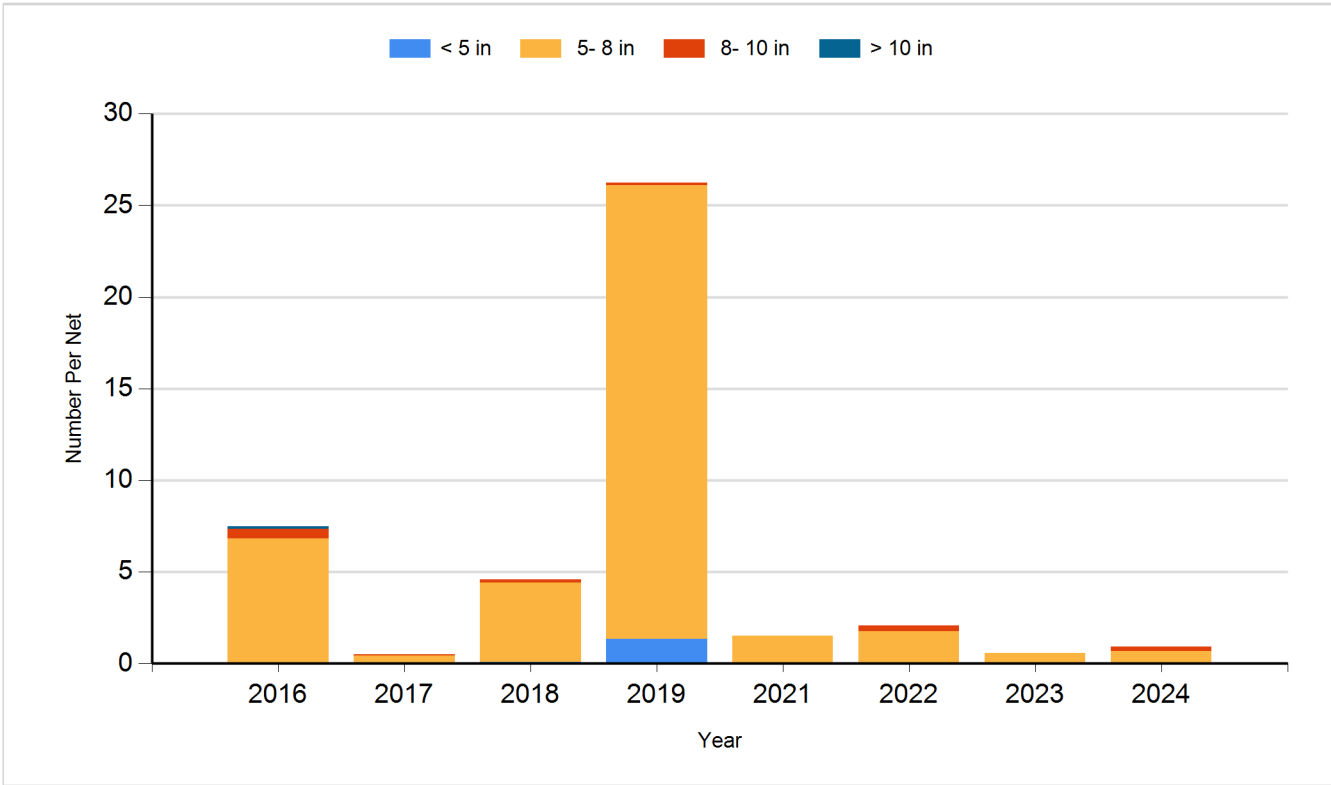
Species: White Sucker
Gear: AFS std gill net



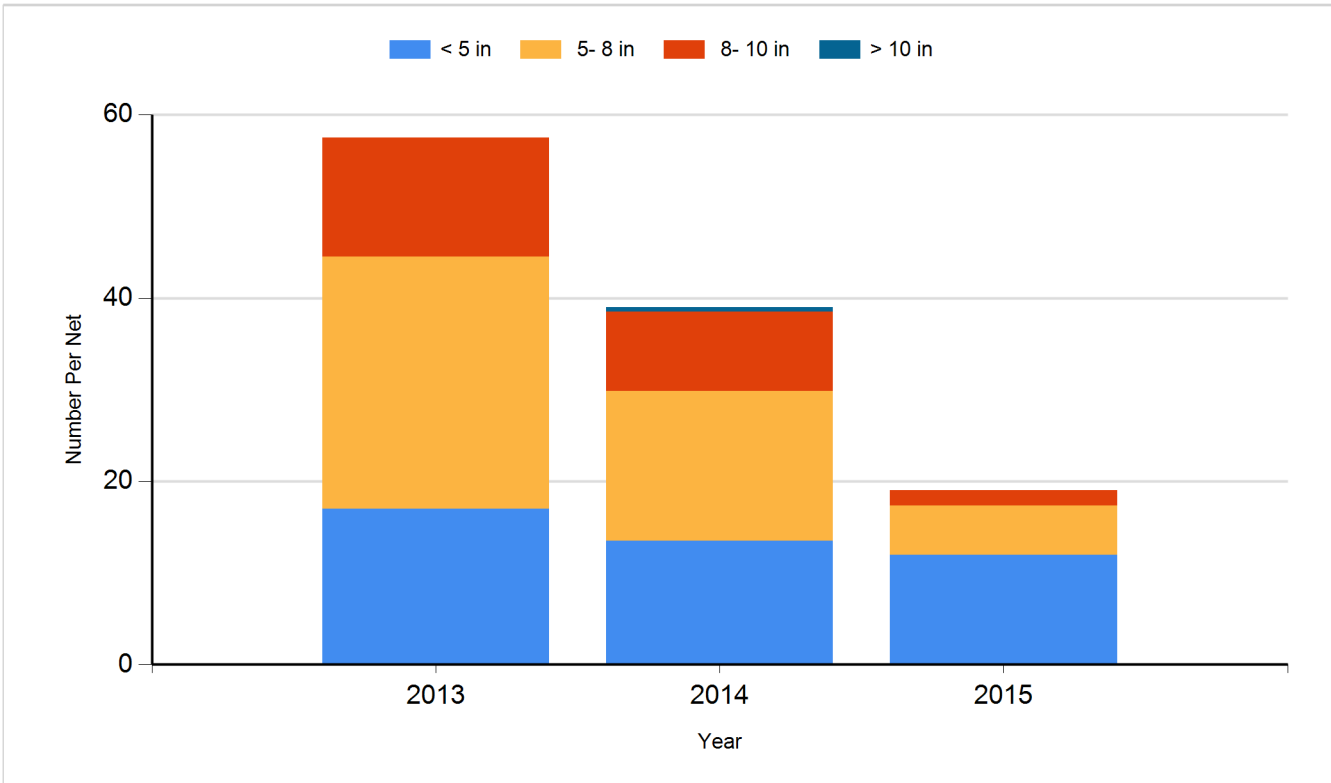
Species: White Sucker
Gear: std exp gill net



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	Fry	600,000
2014	Walleye	Fry	542,000
2014	Walleye	Large Fingerling	24,879
2015	Walleye	Fry	550,000
2016	Walleye	Fry	550,000
2017	Walleye	Large Fingerling	48,564
2019	Walleye	Large Fingerling	18,798
2021	Walleye	Juvenile	11,768
2022	Walleye	Juvenile	33,056
2023	Walleye	Fry	600,000
2024	Walleye	Juvenile	26,779