

### **Brant Lake Survey Summary**

Brant Lake, located 1 1/2 miles north of Chester, 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 slightly from the previous year to 1.4 fish per gill net in 2023. Relative abundance was still a bit below the long term mean, however (1.9 fish per net). Sampled fish ranged from 8.7 to 26.8 inches in length with a significant proportion (82%) measuring greater than 15 inches. Preferred (>20 inches) and memorable (>25 inches) length fish also accounted for a fair proportion of the sample (15 and 9 percent, respectively). Nine cohorts contributed to the catch, but one year class stands out amongst the others. The 2019 (age 4) year class dominated the sample accounting for 36% of all fish captured in 2023. This cohort also represented a substantial proportion of the sample the previous year (54%). These fish appear to be growing well, achieving a mean length of 18 inches by age 4.
- **Yellow Perch.** Sampling efforts produced 2.3 yellow perch per gill net in 2023. Relative abundance was higher than the previous year (1.5 fish per net) but a bit below the long term mean (3.9 fish per net). Netted fish ranged in length from 3.5 to 13 inches with approximately 83% measuring <8 inches. Although no aging data was collected, previous year's aging results indicate that these stock length (<8 inch) fish were likely produced the previous year (age 1, 2022 cohort). This large new cohort of fish should provide additional opportunity in future years.
- **Bluegill.** Bluegill abundance decreased to 0.7 fish per frame net in 2023. Relative abundance was lower than the previous year and the long term mean (1.5 and 1.2 fish per net, respectively). Size structure remains quite impressive, though, with fish ranging in length from 9.5 to 10.3 inches. A high average relative weight value ( $Wr = 110$ ) indicates that these fish were plump and in excellent health. Brant Lake remains an excellent option for any angler targeting large (8+ inch) bluegill in the southeast region.

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

# SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Brant, Lake County

LBS-Lake-135-001

2023

## Lake Information

Name:	Brant	Maximum Depth:	14 Feet
County:	Lake	Mean Depth:	10 Feet
Legal Description:	T105N-R51W-Sec. 3, 4, 9, 10	OHWM Elevation:	1,598
Surface Area:	1,046 Acres	Outlet Elevation:	1,597

## Surveys and Investigations

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

Gear	Date	Effort
AFS std gill net	Jul 11, 2023	10 net-nights
AFS std gill net	Jul 12, 2023	10 net-nights
frame net (std 3/4 in)	Jul 11, 2023	5 net-nights
frame net (std 3/4 in)	Jul 12, 2023	5 net-nights

## **Common Fish Species Present**

Walleye

Yellow Perch

Black Bullhead

White Bass

Bigmouth Buffalo

Smallmouth Bass

White Sucker

Black Crappie

Common Carp

Bluegill

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## 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.

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

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	Bigmouth Buffalo	18	0.9	0.4	100		29			
	Black Bullhead	59	3.0	0.8	100		66	9		
	Black Crappie	1	0.1	0.1	0		0		118	
	Channel Catfish	3	0.2	0.1	67		33		95	2
	Common Carp	11	0.5	0.2	90		80			
	Northern Pike	5	0.3	0.1	100		40		84	2
	Walleye	33	1.4	0.4	100		30	14	79	1
	White Bass	55	2.8	0.6	98		91		88	1
	White Sucker	20	1.0	0.3	100		100			
	Yellow Bullhead	1	0.1	0.1	100		100			
frame net (std 3/4 in)	Bigmouth Buffalo	44	4.4	2.0	100		50	11		
	Black Bullhead	111	11.1	3.8	99		72	6		
	Black Crappie	15	1.5	0.7	100		100		100	2
	Bluegill	7	0.7	0.4	100		100		112	8
	Common Carp	9	0.9	1.0	100		100			
	Northern Pike	6	0.6	0.3	100		33		79	3
	Smallmouth Bass	40	3.4	1.0	65	13	38	13	90	3
	Walleye	8	0.4	0.6	25		25		84	2
	White Bass	44	4.4	1.5	100		98		85	2
	White Sucker	33	3.3	1.6	100		97			

## 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										
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
AFS std frame net	Bigmouth Buffalo				0.1						0.10	
	Black Bullhead				16.5						16.50	
	Black Crappie				9.5						9.50	
	Bluegill				0.5						0.50	
	Common Carp				0.1						0.10	
	Smallmouth Bass				2.7						2.70	
	Walleye				1.6						1.60	
	White Bass				3.3						3.30	
	White Sucker				2.2						2.20	
AFS std gill net	Yellow Perch				0.2						0.20	
	Bigmouth Buffalo				1.6	1.2	0.4		1.3	0.6	0.9	1.00
	Black Bullhead				21.0	2.8	2.5		7.7	7.5	3.0	7.42
	Black Crappie				2.0	0.2	0.0		0.0	0.2	0.1	0.42
	Bluegill				0.2	0.4	0.0		0.2	0.2	0.0	0.17
	Channel Catfish				0.0	0.3	0.0		0.2	0.1	0.2	0.13
	Common Carp				1.2	1.4	2.6		2.9	1.4	0.5	1.67
	Northern Pike				0.2	0.0	0.3		0.1	0.4	0.3	0.22
	Shorthead Redhorse				0.1	0.0	0.0		0.0	0.0	0.0	0.02
	Smallmouth Bass				0.7	4.3	0.4		0.3	0.5	0.0	1.03
	Walleye				2.7	1.8	2.0		2.6	1.0	1.4	1.92
	White Bass				4.7	3.9	4.2		5.3	5.6	2.8	4.42
	White Sucker				7.3	3.4	2.9		0.6	4.3	1.0	3.25
	Yellow Bullhead				0.0	0.0	0.0		0.0	0.0	0.1	0.02
	Yellow Perch				6.7	4.0	4.6		4.3	1.5	2.3	3.90
fall night EF-WAE*	Walleye	85.5	30.5									58.00
frame net (std 3/4 in)	Bigmouth Buffalo	0.3	0.0	2.6		0.6	2.8		1.1	0.2	4.4	1.50
	Black Bullhead	48.6	41.7	306.8		13.3	9.7		11.6	75.6	11.1	64.80
	Black Crappie	1.5	1.3	4.7		8.5	2.9		5.5	0.5	1.5	3.30
	Bluegill	0.2	0.3	1.6		1.2	2.4		2.0	1.5	0.7	1.24
	Bluegill X Gr. Sunfish Hybrid	0.0	0.0	0.0		0.1	0.0		0.0	0.0	0.0	0.01
	Channel Catfish	0.1	0.1	0.0		0.1	0.0		0.0	0.0	0.0	0.04
	Common Carp	0.7	0.2	1.3		2.3	4.2		0.5	0.2	0.9	1.29
	Green Sunfish	0.0	0.1	0.0		0.0	0.0		0.0	0.0	0.0	0.01

Gear	Species	CPUE									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
frame net (std 3/4 in)	Northern Pike	1.9	1.4	1.6		1.3	0.9		3.6	0.8	0.6
	Smallmouth Bass	1.4	1.1	17.0		8.5	2.5		10.0	6.8	3.4
	Sunfish Hybrid	0.2	0.0	0.2		0.0	0.0		0.4	0.0	0.0
	Walleye	0.2	0.0	1.4		0.7	0.1		0.9	0.0	0.4
	White Bass	1.8	1.3	3.9		0.9	0.5		1.2	3.5	4.4
	White Sucker	2.3	4.3	1.6		4.2	5.1		14.5	8.2	3.3
	Yellow Bullhead	0.0	0.1	0.0		0.1	0.0		0.4	0.3	0.0
	Yellow Perch	0.1	0.3	1.4		0.8	0.6		0.0	0.0	0.40
std exp gill net	Bigmouth Buffalo	1.0	0.0	0.2							0.40
	Black Bullhead	27.6	21.2	34.2							27.67
	Black Crappie	0.0	0.0	1.4							0.47
	Bluegill	0.2	0.2	0.4							0.27
	Channel Catfish	0.0	0.0	1.6							0.53
	Common Carp	0.4	0.6	2.2							1.07
	Northern Pike	1.8	0.4	0.2							0.80
	Smallmouth Bass	1.2	1.6	2.8							1.87
	Spottail Shiner	0.0	0.0	0.0							0.00
	Walleye	4.0	3.0	3.8							3.60
	White Bass	1.0	1.2	3.4							1.87
	White Sucker	6.8	5.2	2.6							4.87
	Yellow Perch	8.4	4.6	18.8							10.60

## **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									
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
AFS std frame net	Bigmouth Buffalo	PSD					0					
		PSD-P					0					
	Black Bullhead	PSD				66						
		PSD-P				42						
	Black Crappie	PSD			57							
		PSD-P			14							
	Bluegill	Wr			101							
		PSD		40								
		PSD-P		0								
	Common Carp	Wr		109								
		PSD		100								
		PSD-P		0								
AFS std gill net	Smallmouth Bass	PSD			19							
		PSD-P			4							
	Walleye	Wr		89								
		PSD		6								
		PSD-P		0								
	White Bass	Wr		78								
		PSD		97								
		PSD-P		82								
	White Sucker	Wr		86								
		PSD		100								
		PSD-P		95								
	Yellow Perch	PSD		100								
		PSD-P		100								
		Wr		84								
Gill net	Bigmouth Buffalo	PSD		25	73	50		77	83	100		
		PSD-P		19	18	25		0	17	29		
	Black Bullhead	PSD		75	84	96		95	87	100		
		PSD-P		22	36	24		29	28	66		
	Black Crappie	Wr								94		
		PSD		5	100				100	0		
		PSD-P		0	100				100	0		

Gear	Species	Index	Year									
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
AFS std gill net	Black Crappie	Wr			121	99				89	118	
	Bluegill	PSD			50	100			100	100		
		PSD-P			0	100			50	50		
		Wr			92	109			119	105		
	Common Carp	PSD			100	100	88		48	86	90	
		PSD-P			17	38	54		45	57	80	
	Smallmouth Bass	PSD			57	38	50		33	80		
		PSD-P			43	15	0		0	20		
		Wr			92	95	90		86	87		
	Walleye	PSD			59	44	50		8	60	100	
		PSD-P			11	25	20		8	10	30	
		Wr			83	86	85		86	79	79	
frame net (std 3/4 in)	White Bass	PSD			79	100	83		100	98	98	
		PSD-P			43	89	81		83	98	91	
		Wr			97	93	87		91	88	88	
	White Sucker	PSD			100	97	97		100	100	100	
		PSD-P			97	94	90		100	100	100	
	Yellow Perch	PSD			60	97	93		98	100	17	
		PSD-P			45	44	83		67	100	15	
		Wr			99	99	105		109	99	95	
	Bigmouth Buffalo	PSD	100		73		83	96		73	100	100
		PSD-P	25		62		17	39		27	100	50
	Black Bullhead	PSD	97	98	3		89	96		100	99	99
		PSD-P	57	42	2		63	73		58	65	72
frame net (std 3/4 in)	Black Crappie	PSD	100	94	55		99	100		93	100	100
		PSD-P	100	69	28		44	86		53	100	100
		Wr	102	97	110		98	94		103	97	100
	Bluegill	PSD	100	50	75		92	100		100	100	100
		PSD-P	100	25	38		92	63		60	100	100
		Wr	103	110	113		108	117		124	120	112
	Common Carp	PSD	75	100	8		91	90		100	100	100
		PSD-P	25	100	8		48	40		100	50	100
	Smallmouth Bass	PSD	82	31	8		16	52		32	60	65
		PSD-P	24	8	2		5	8		4	10	38
		Wr	104	98	101		86	88		91	91	90
	Walleye	PSD	100	0	43		29	0		11		25
		PSD-P	50	0	29		29	0		0		25

Gear	Species	Index	Year									
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
frame net (std 3/4 in)	Walleye	Wr	93		82		85	88		86		84
	White Bass	PSD	100	100	97		100	100		100	100	100
		PSD-P	100	100	59		100	100		83	97	98
		Wr	91	85	94		83	81		89	89	85
	White Sucker	PSD	100	100	100		100	100		100	100	100
		PSD-P	96	98	100		93	94		100	100	97
	Yellow Perch	PSD	0	33	79		100	100				
		PSD-P	0	33	43		75	83				
		Wr	127	94	100		89	105				
std exp gill net	Bigmouth Buffalo	PSD	60		0							
		PSD-P	40		0							
	Black Bullhead	PSD	98	100	33							
		PSD-P	17	16	15							
	Black Crappie	PSD			0							
		PSD-P			0							
		Wr			125							
	Bluegill	PSD	0	100	50							
		PSD-P	0	0	50							
		Wr	114	107	127							
	Common Carp	PSD	50	100	9							
		PSD-P	50	100	0							
	Smallmouth Bass	PSD	50	50	14							
		PSD-P	33	38	0							
		Wr	108	100	91							
	Walleye	PSD	35	67	0							
		PSD-P	10	40	0							
		Wr	89	85	85							
	White Bass	PSD	100	100	100							
		PSD-P	100	100	24							
		Wr	93	84	98							
	White Sucker	PSD	74	100	100							
		PSD-P	71	88	92							
	Yellow Perch	PSD	19	26	73							
		PSD-P	5	4	24							
		Wr	108	101	105							

## Length at Capture

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

Species: Black Crappie

Year	N	Mean Length (expanded sample number) at capture by age									
		1	2	3	4	5	6	7	8	9	10+
2021	55		201 (10)	249 (33)	277 (1)	289 (8)	263 (1)	293 (1)			335 (1)

Species: Walleye

Year	N	Mean Length (expanded sample number) at capture by age									
		1	2	3	4	5	6	7	8	9	10+
2023	33	233 (6)	381 (1)		460 (12)	469 (6)	556 (3)	612 (2)	605 (1)	673 (1)	684 (1)
2022	13	234 (3)		379 (7)		427 (2)		572 (1)			
2021	26		276 (16)	327 (8)							646 (2)
2019	29	212 (10)	324 (7)	384 (4)	446 (4)		457 (1)				591 (3)
2018	17	270 (8)	339 (2)	383 (1)	454 (2)	443 (1)					576 (3)
2017	30	247 (11)	384 (4)	437 (10)	482 (3)			551 (2)			
2016	30	255 (15)	297 (15)								
2015	32	203 (17)	351 (6)			469 (1)	540 (5)	588 (2)	471 (1)		
2014	20	266 (12)	293 (1)	398 (1)	465 (5)	578 (1)					

Species: Yellow Perch

Year	N	Mean Length (expanded sample number) at capture by age									
		1	2	3	4	5	6	7	8	9	10+
2021	43	171 (1)	223 (12)	271 (20)		308 (9)			315 (1)		
2019	46	151 (3)	223 (3)	274 (25)	285 (7)	304 (7)	329 (1)				
2018	36	154 (1)	243 (26)	280 (6)	294 (2)	323 (1)					
2017	67	165 (27)	248 (16)	272 (23)				335 (1)			
2016	94	179 (28)	243 (64)	293 (2)							
2015	23	165 (17)	236 (5)	296 (1)							
2014	42	165 (34)	236 (5)	260 (2)	313 (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).

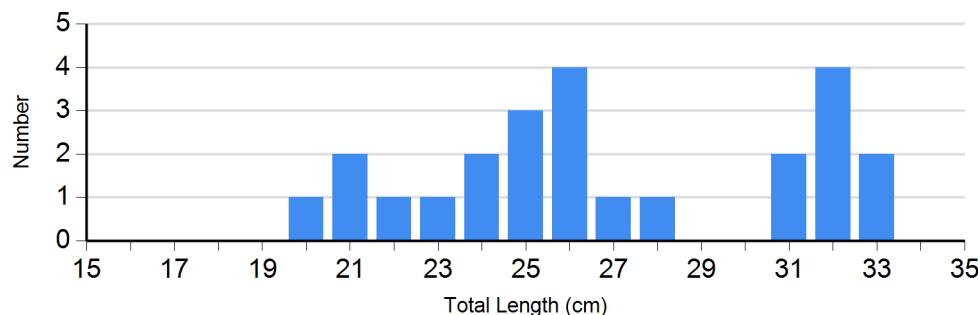
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Bullhead Gill Net	2022	10	97	44	96 (1.0)	21	85 (2.7)	0	
Black Crappie Frame Net	2019	0		4	96 (2.3)	24	94 (2.0)	1	92
	2021	4	116 (3.4)	22	105 (1.8)	27	101 (1.2)	2	85 (2.8)
	2022	0		0		5	97 (2.1)	0	
	2023	0		0		4	105 (1.6)	11	99 (1.4)
Bluegill Frame Net	2019	0		9	126 (4.7)	11	111 (2.5)	4	112 (13.7)
	2021	0		8	128 (6.2)	12	121 (2.6)	0	
	2022	0		0		12	121 (1.8)	3	115 (8.4)
	2023	0		0		3	117 (8.5)	4	106 (8.7)
Walleye Gill Net	2019	10	84 (3.7)	6	80 (2.0)	3	96 (10.7)	1	100
	2021	24	87 (1.2)	0		1	85	1	66
	2022	4	74 (1.6)	5	80 (1.7)	1	95	0	
	2023	0		19	78 (1.1)	5	82 (2.0)	3	79 (1.8)
White Bass Gill Net	2019	7	92 (2.4)	1	86	31	87 (0.8)	3	71 (2.7)
	2021	0		9	94 (1.5)	41	91 (1.3)	3	83 (6.8)
	2022	1	96	0		45	89 (0.5)	10	82 (3.9)
	2023	1	89	4	89 (1.5)	36	88 (0.8)	14	85 (1.4)
Yellow Perch Gill Net	2019	3	128 (12.1)	5	107 (1.7)	31	104 (1.3)	7	100 (3.1)
	2021	1	100	13	109 (3.6)	21	112 (1.8)	8	104 (2.8)
	2022	0		0		7	103 (2.2)	8	94 (1.5)
	2023	38	96 (1.5)	1	92	3	95 (4.6)	4	90 (3.8)

## Length Frequency Distribution

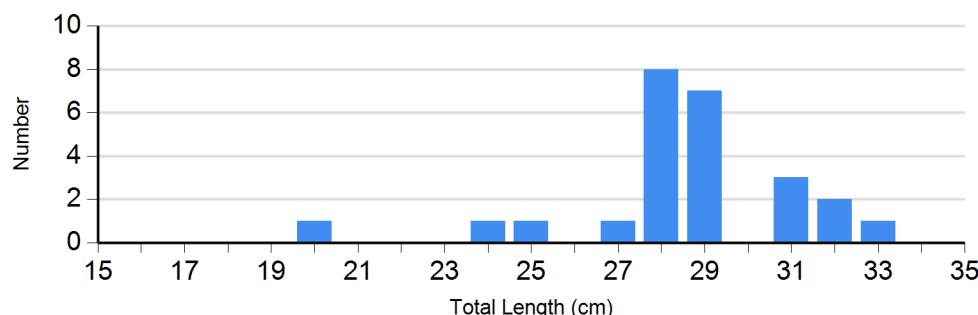
Length frequency histogram of species sampled by year.

Species: Black Bullhead

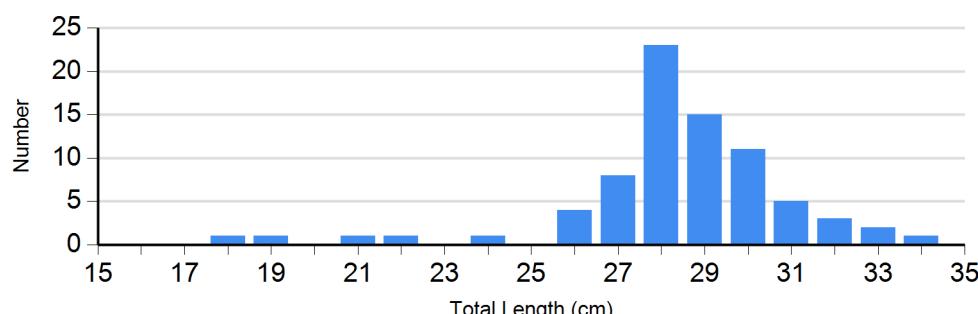
Gear: AFS std gill net



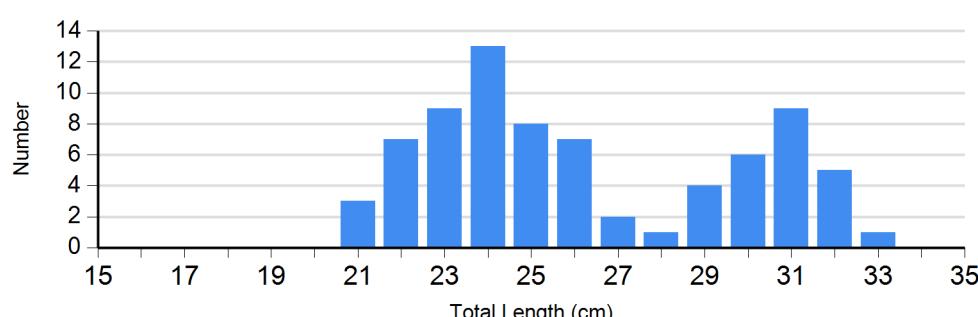
2018



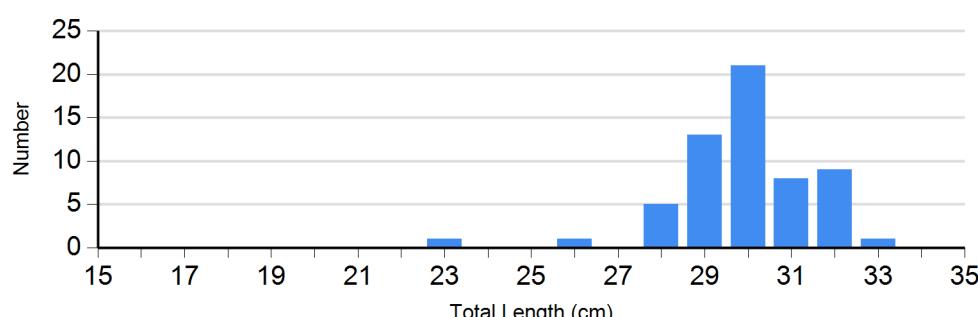
2019



2021

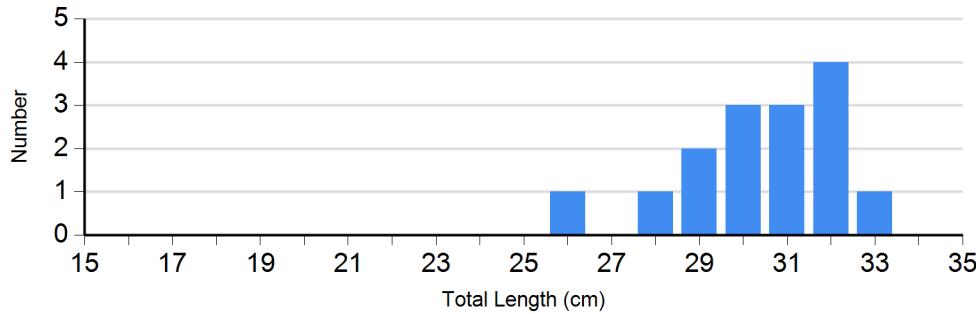
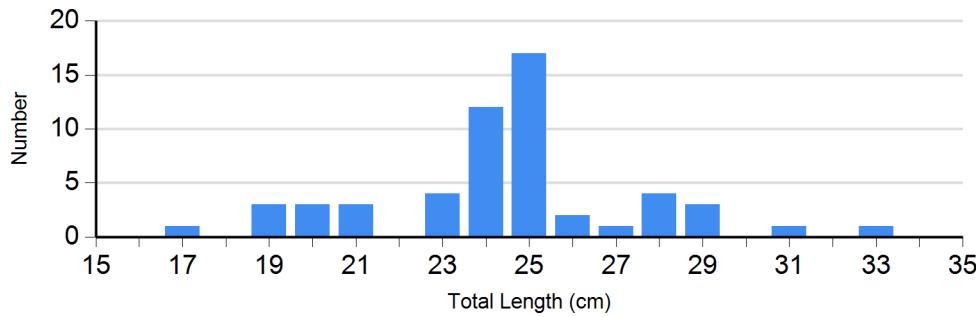
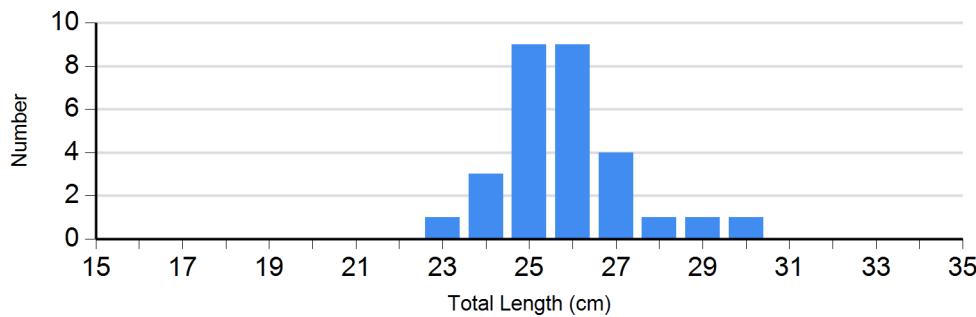
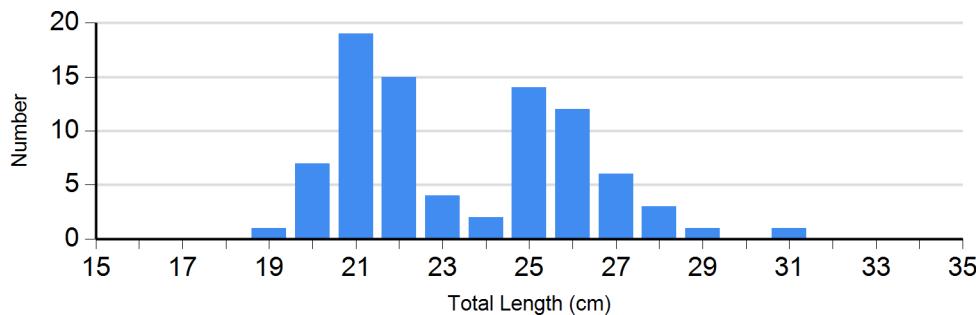


2022

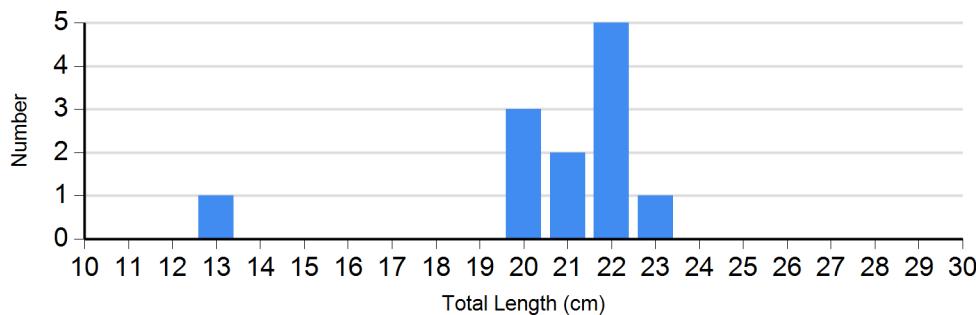


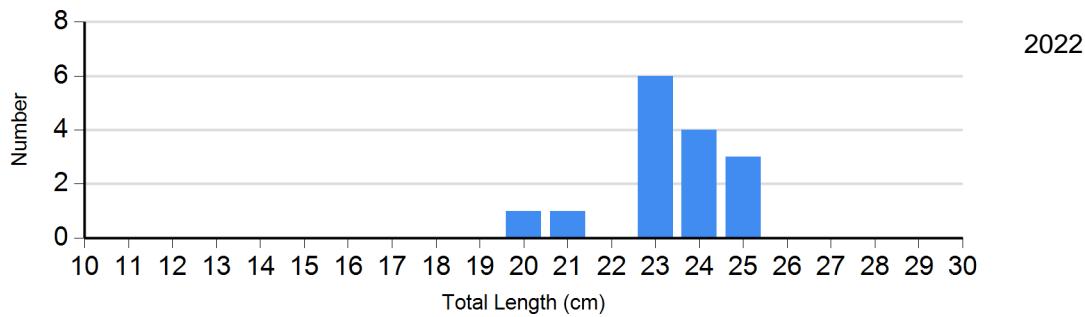
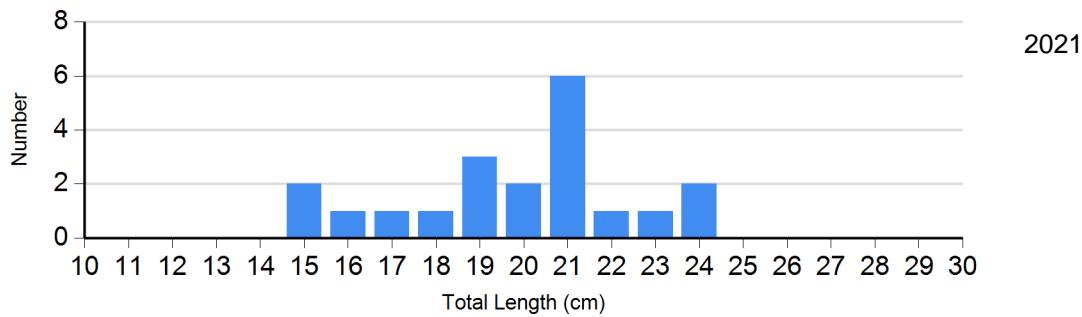
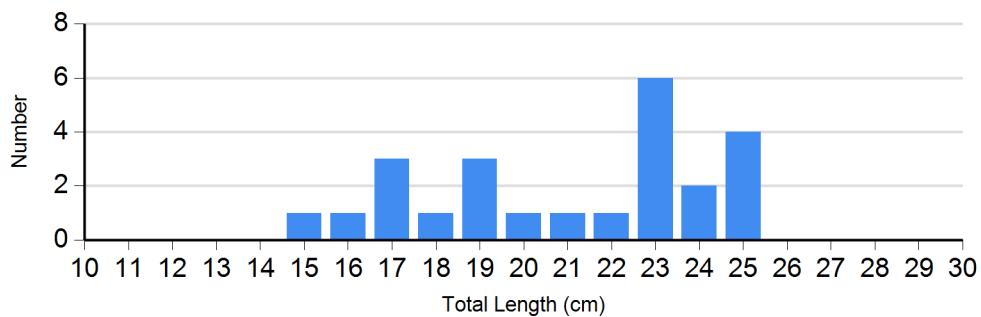
2023

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

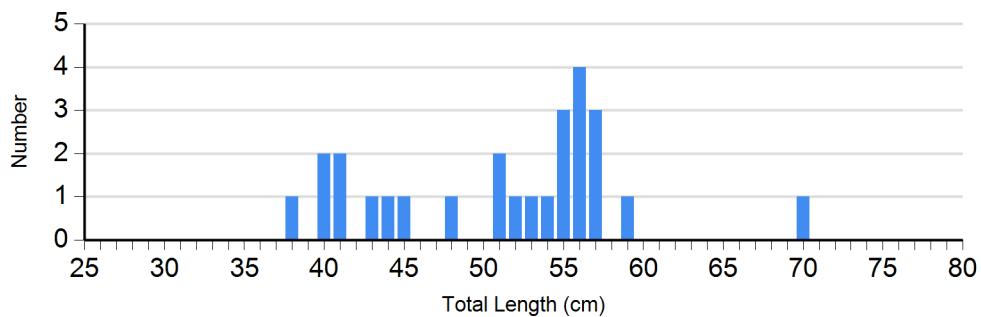
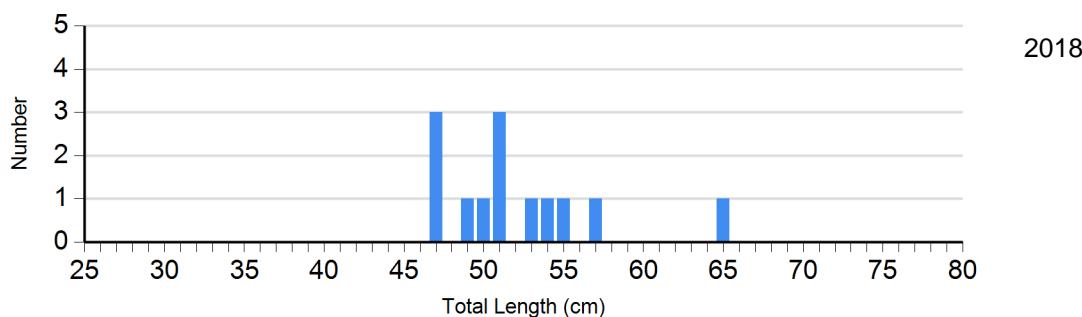


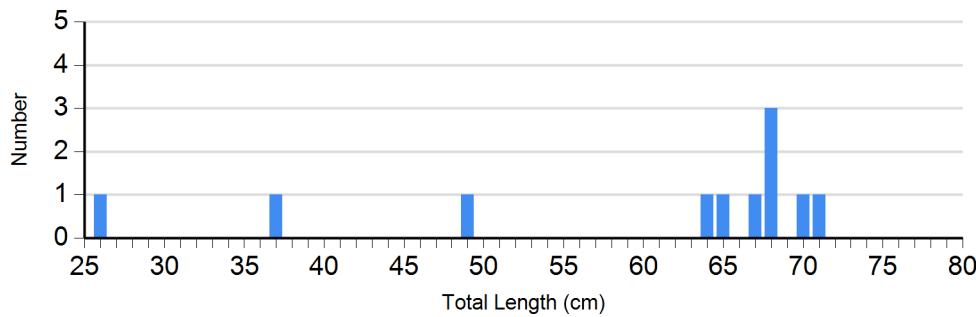
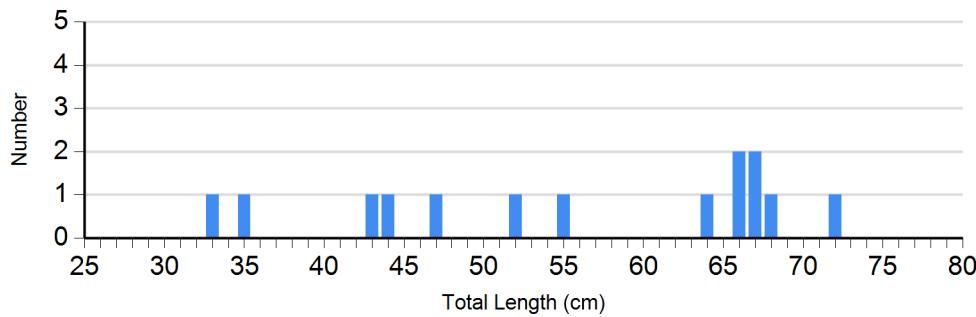
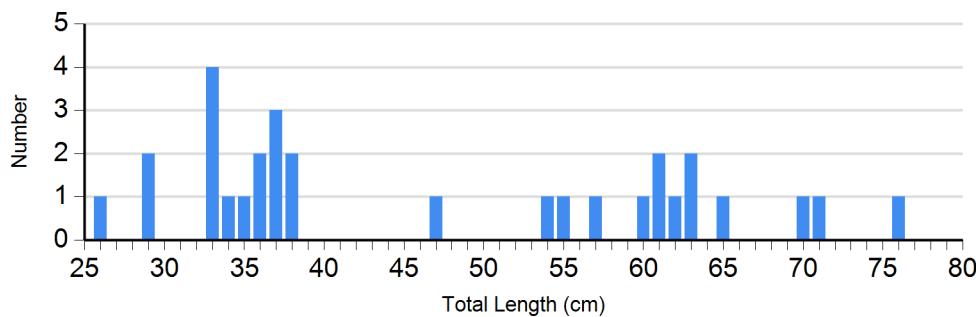
Species: Bluegill  
Gear: frame net (std 3/4 in)



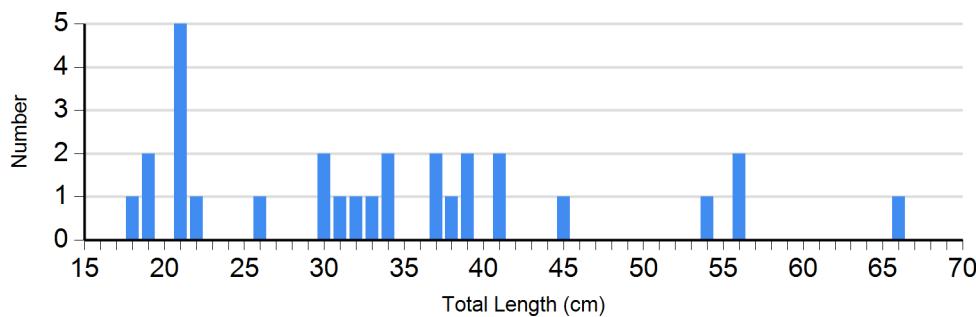
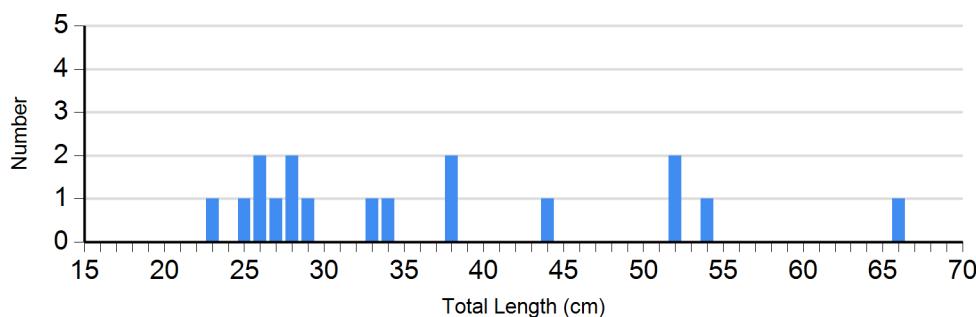


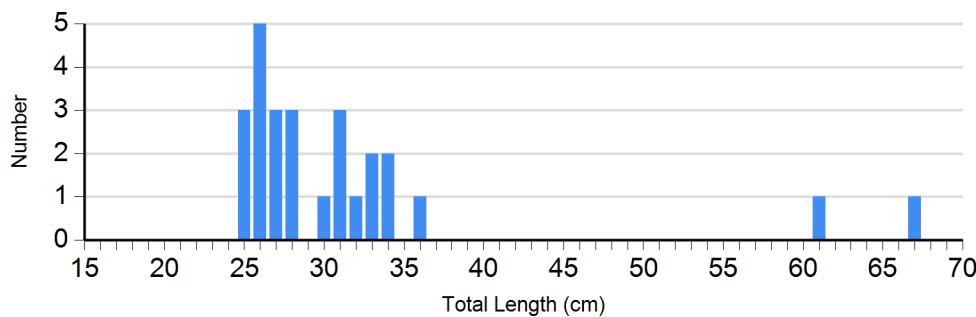
Species: Common Carp  
 Gear: AFS std gill net



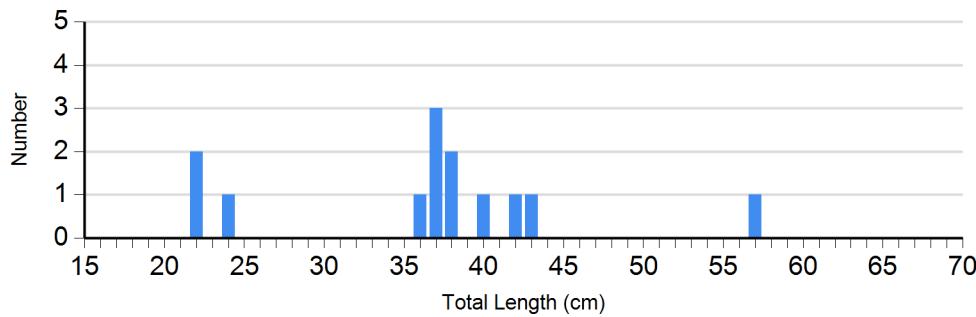


Species: Walleye  
Gear: AFS std gill net

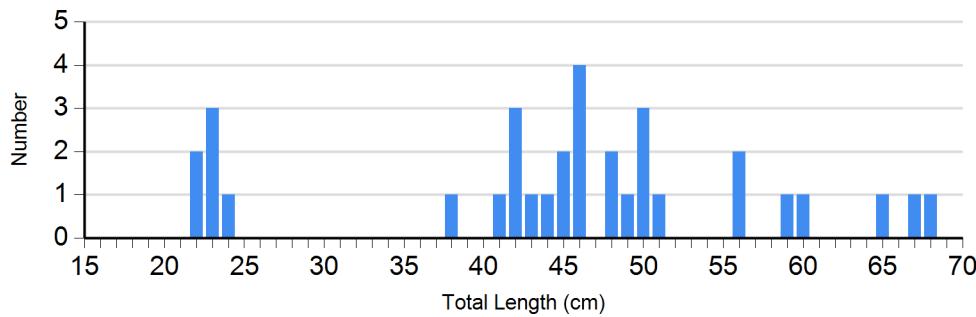




2021

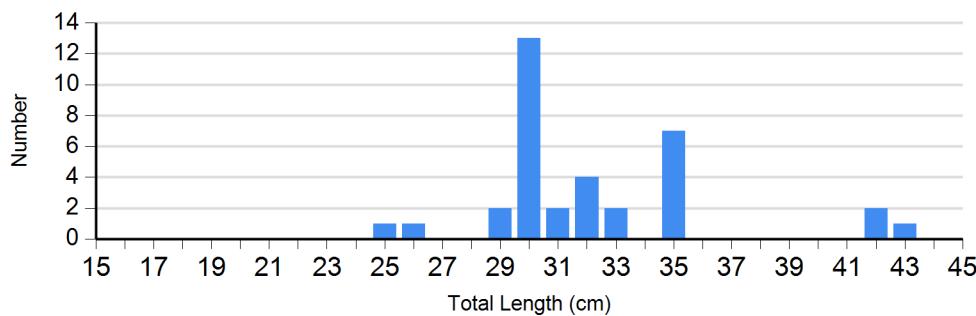


2022

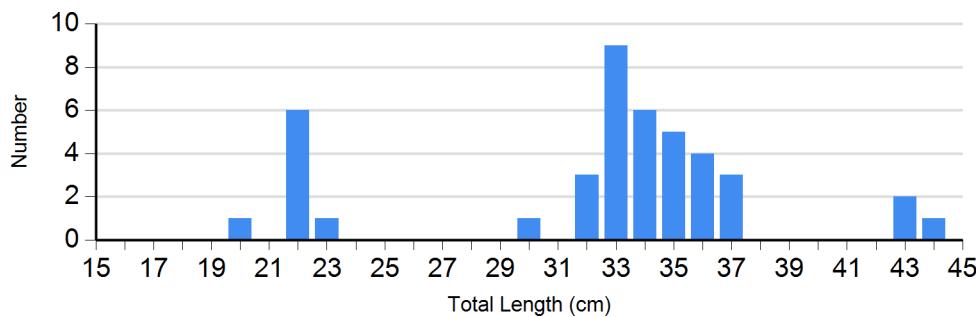


2023

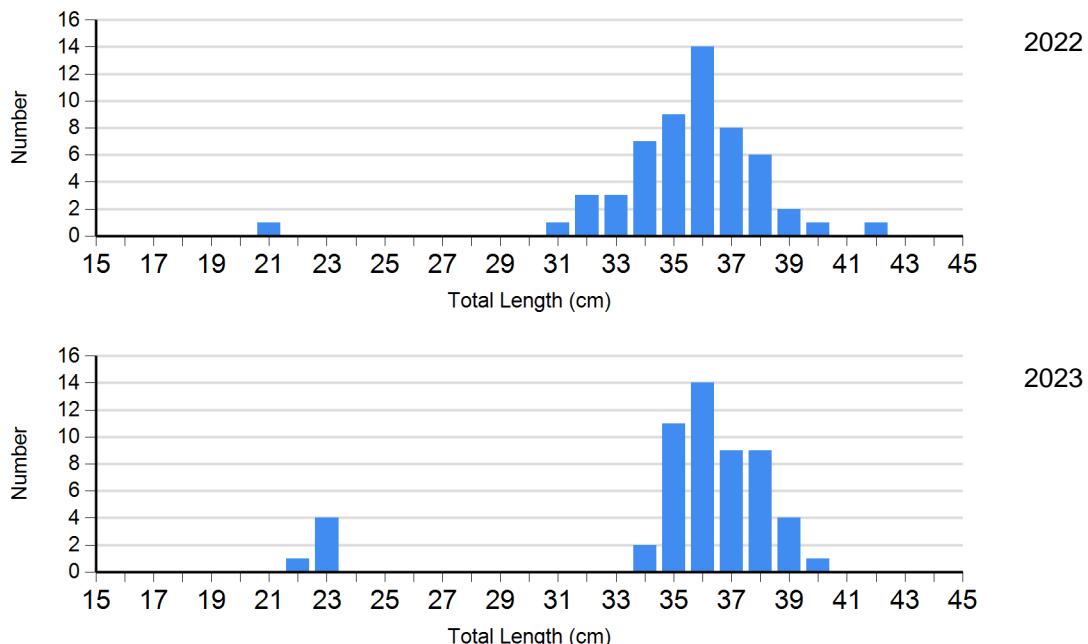
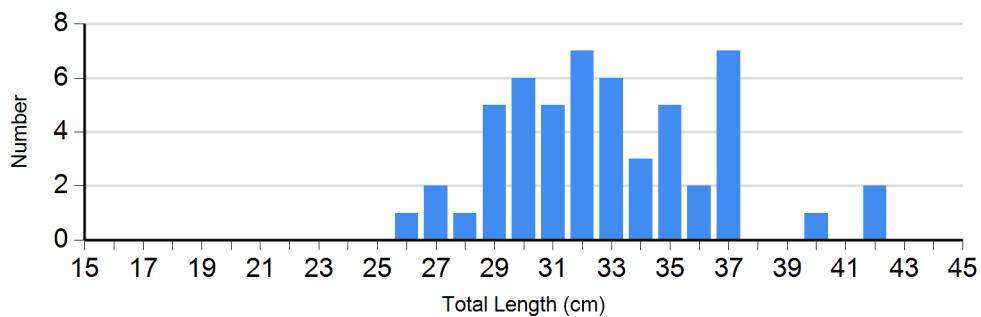
Species: White Bass  
Gear: AFS std gill net



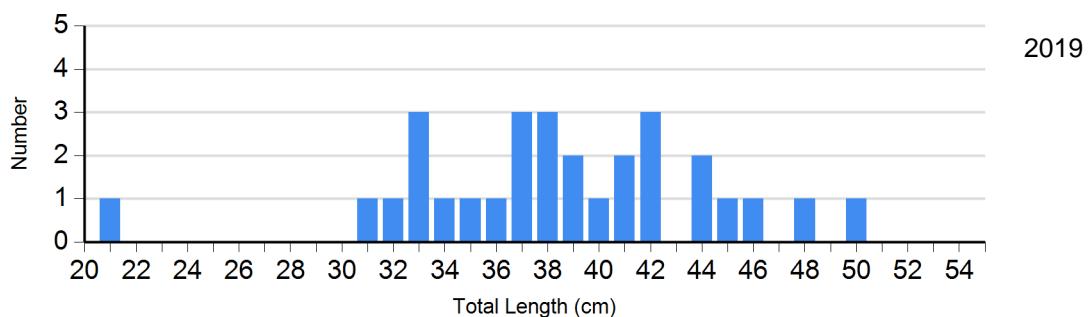
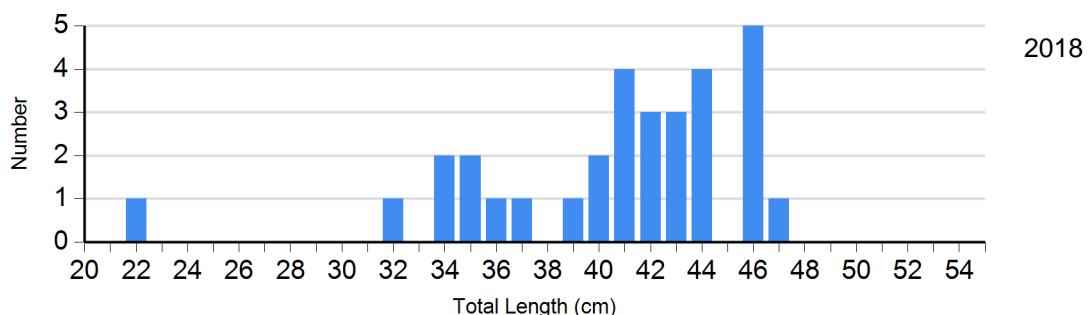
2018

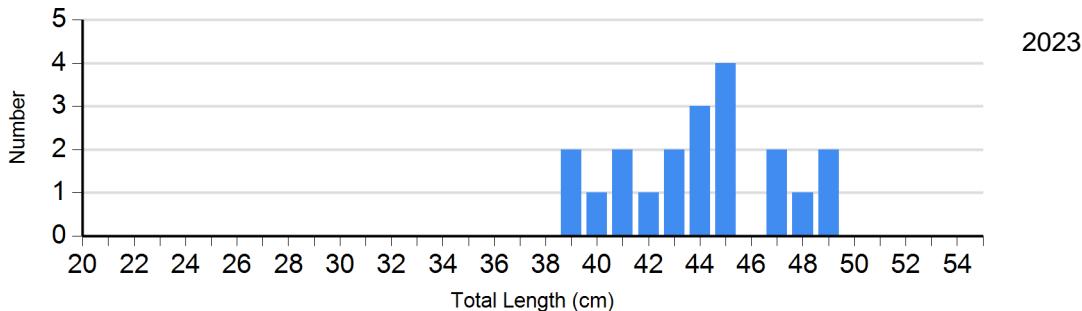
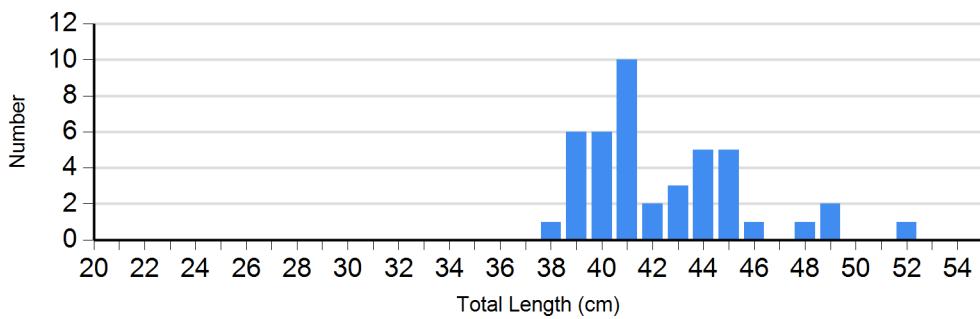


2019

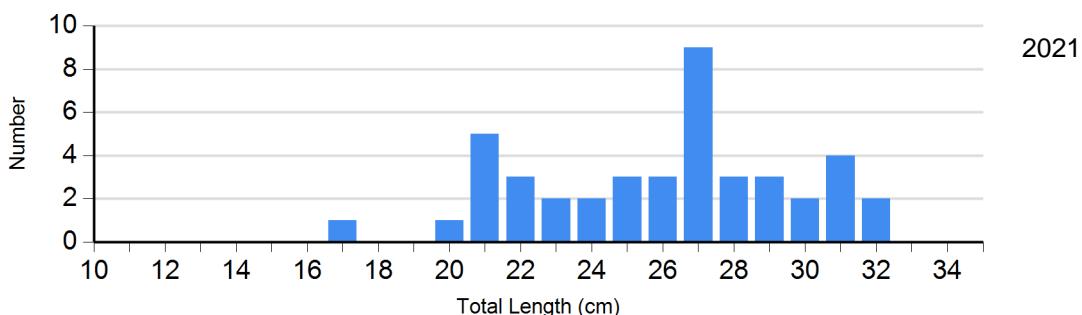
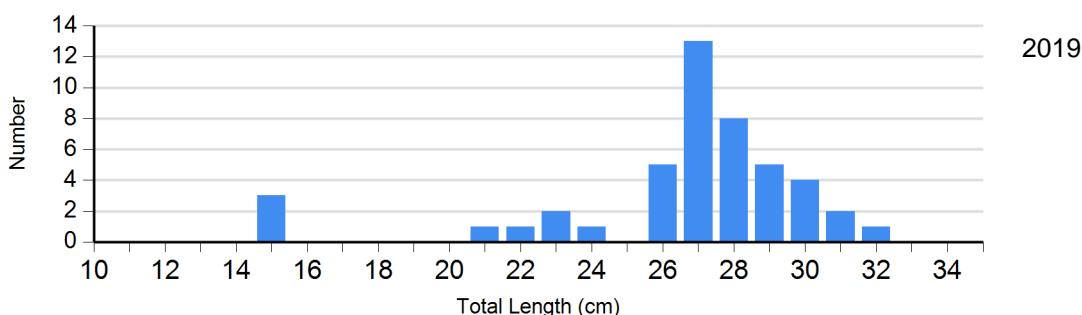
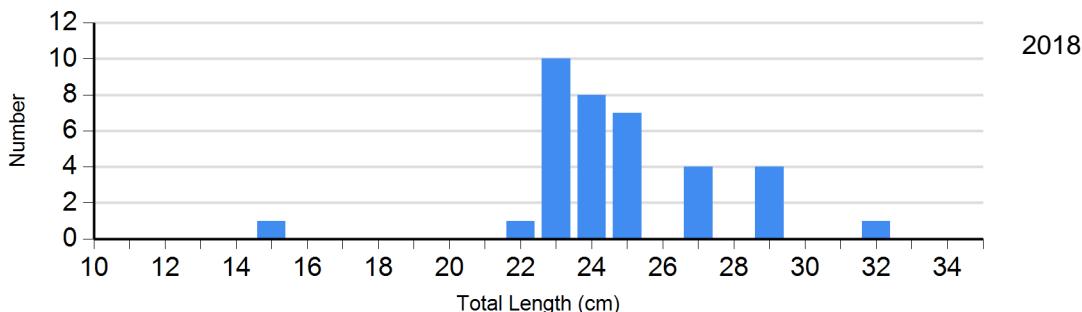


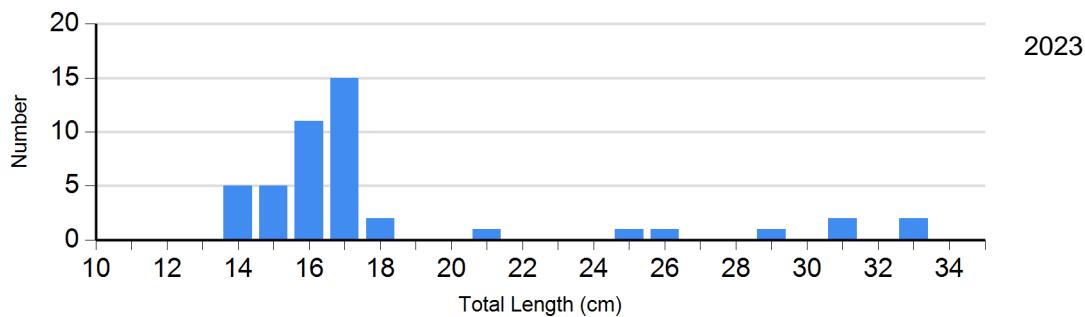
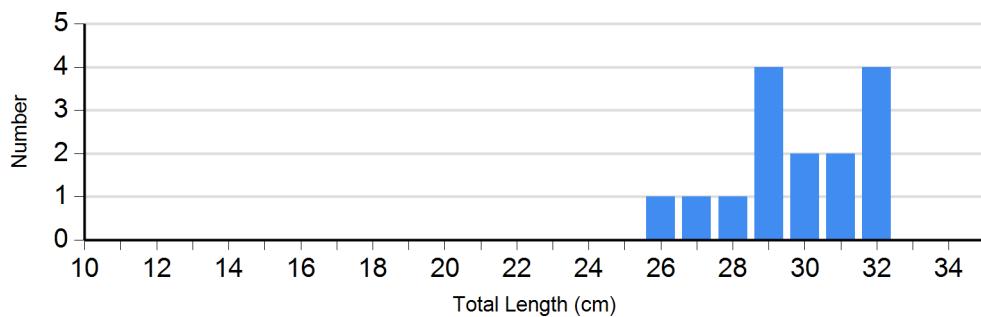
Species: White Sucker  
Gear: AFS std gill net





Species: Yellow Perch  
Gear: AFS std gill net



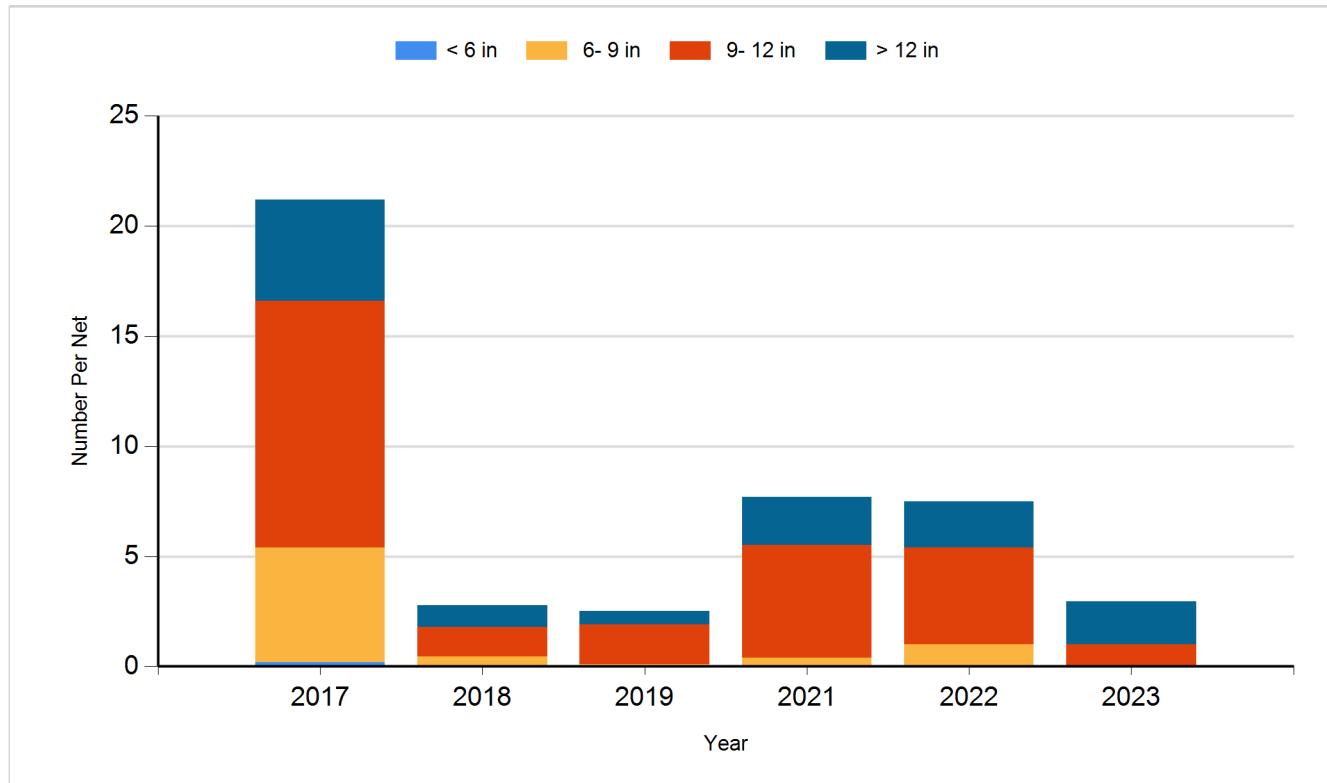


## Historic Fish Sizes and Relative Abundance

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

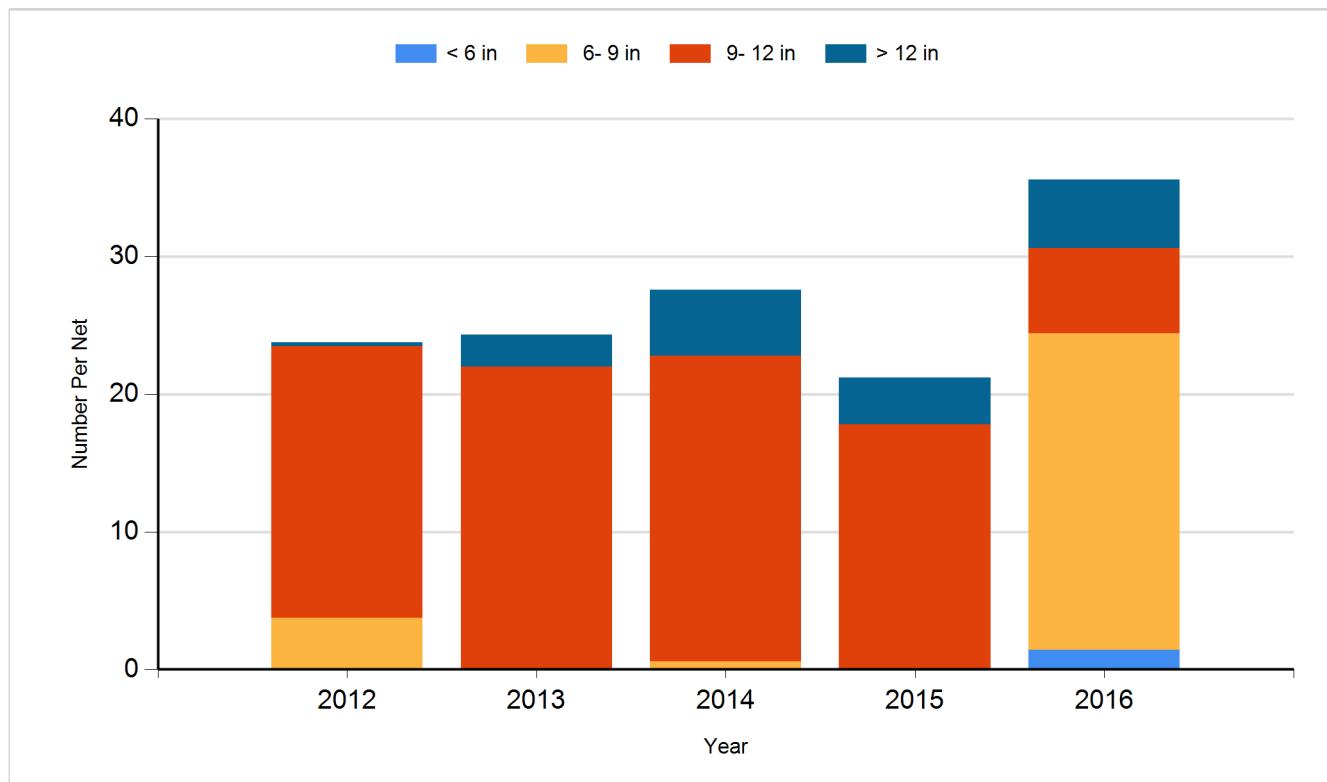
Species: Black Bullhead

Gear: AFS std gill net

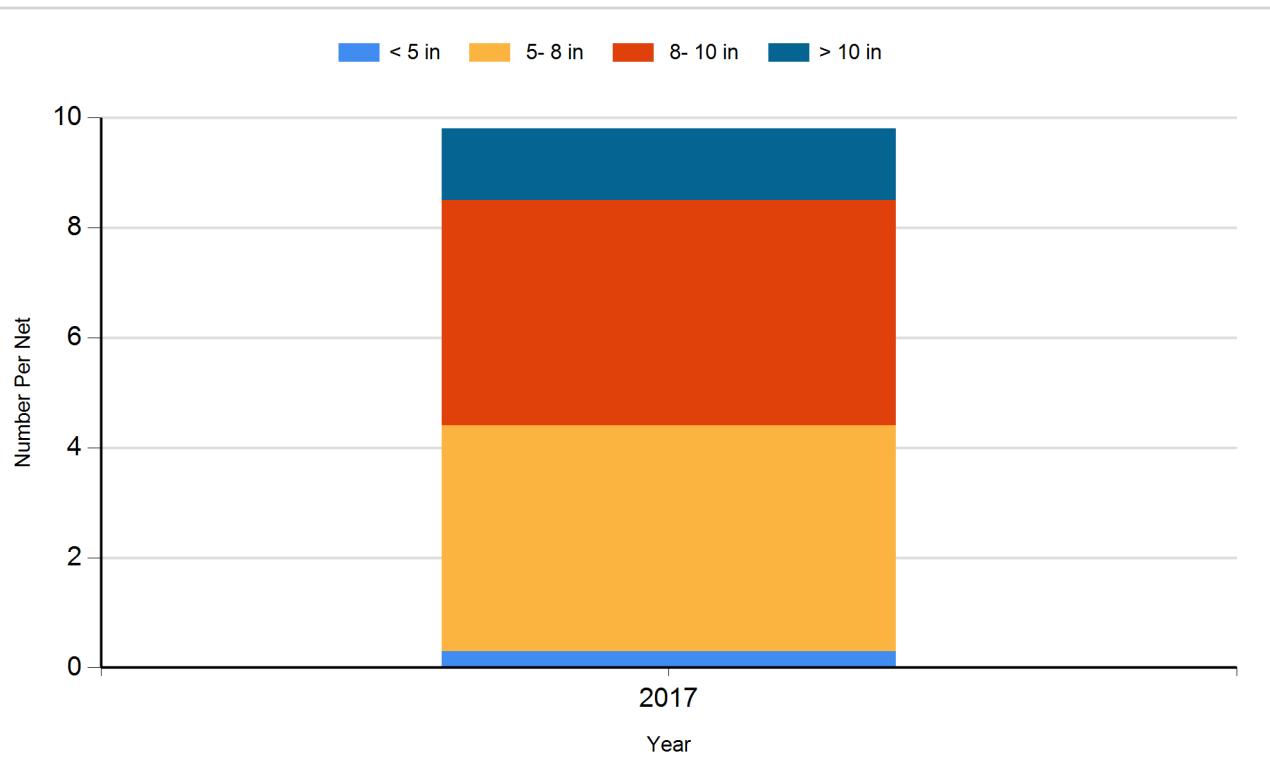


Species: Black Bullhead

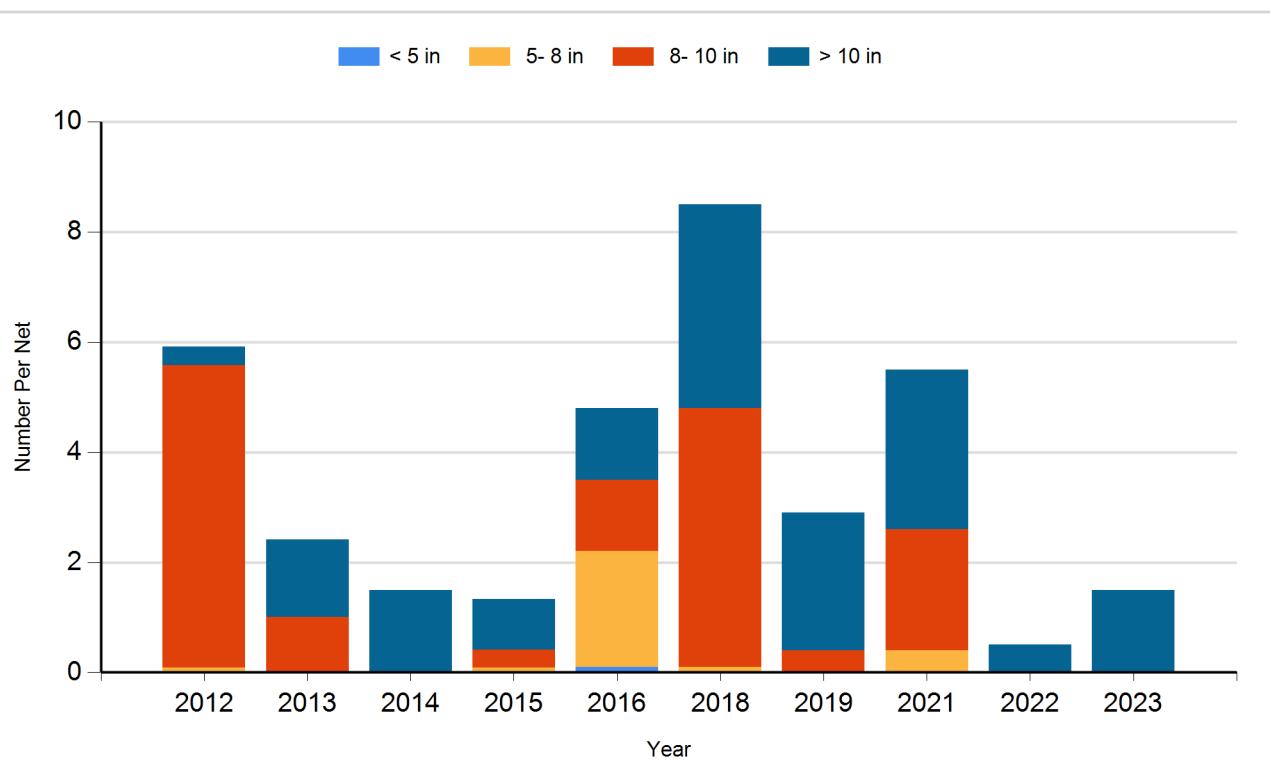
Gear: std exp gill net



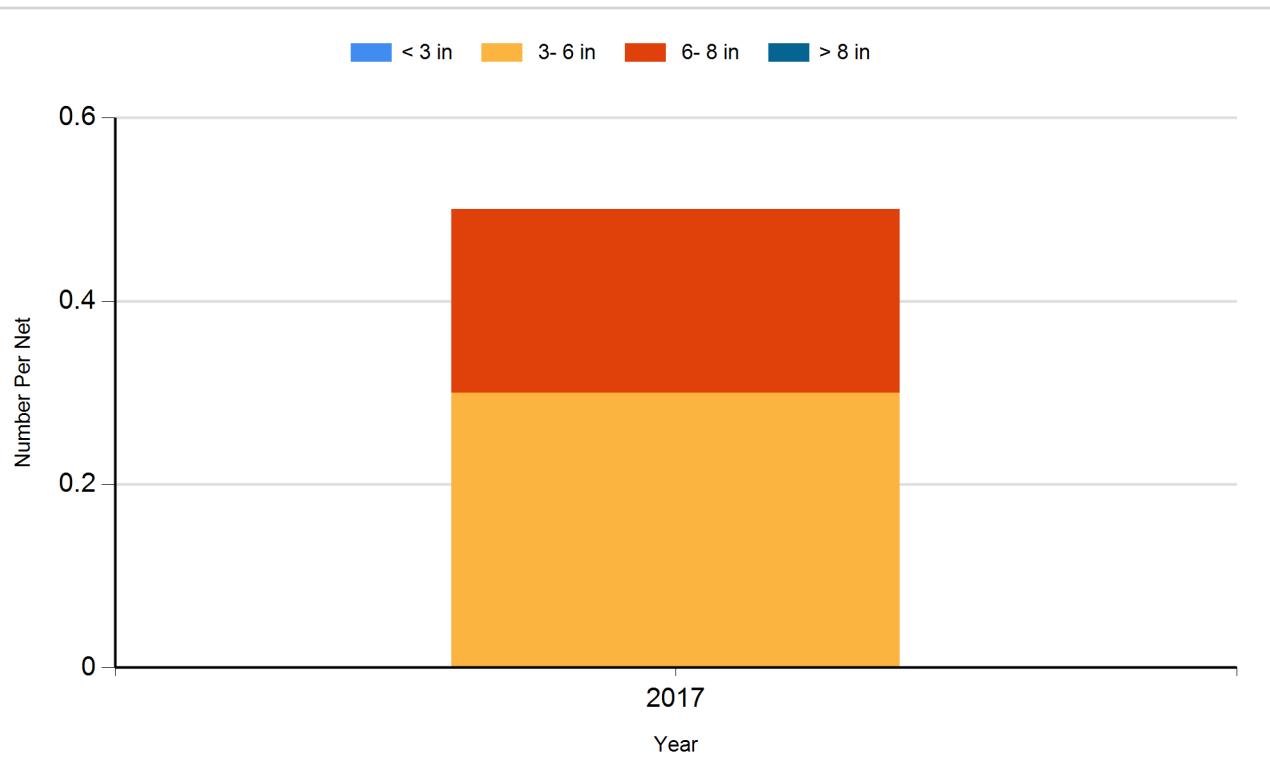
Species: Black Crappie  
Gear: AFS std frame net



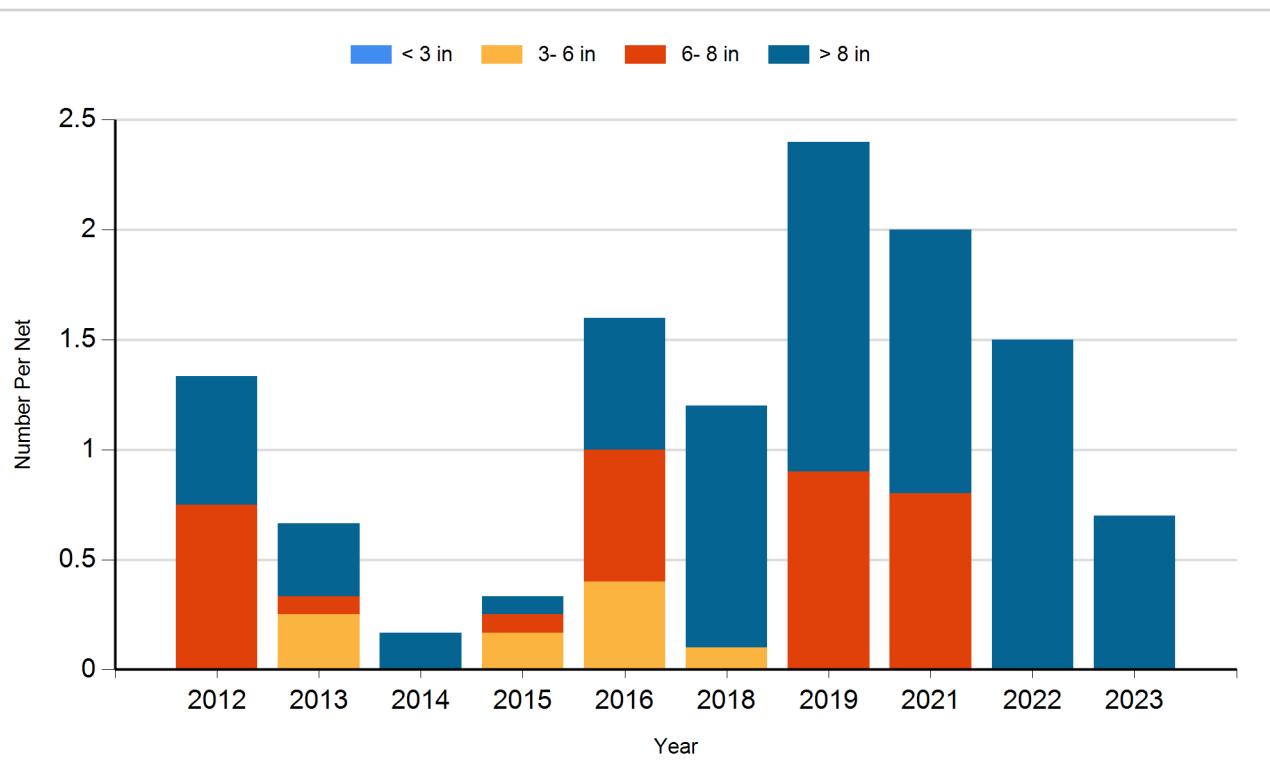
Species: Black Crappie  
Gear: frame net (std 3/4 in)



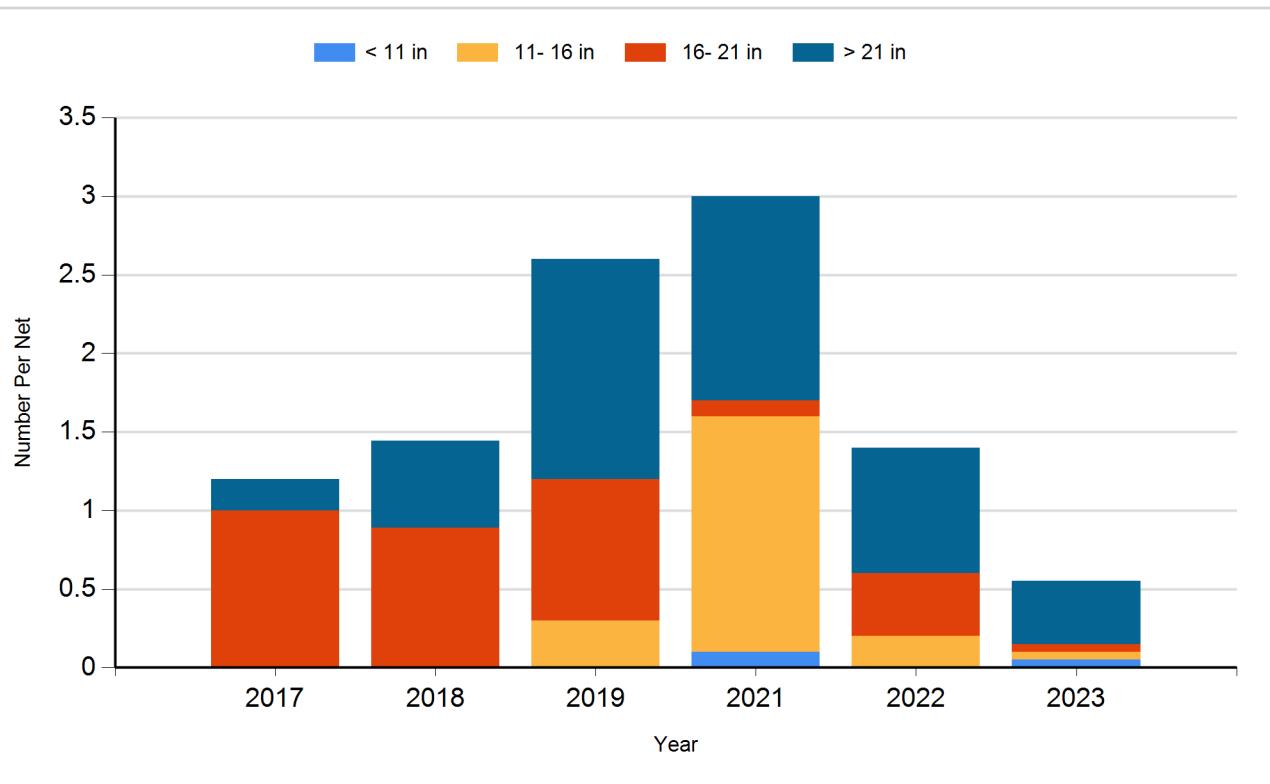
Species: Bluegill  
Gear: AFS std frame net



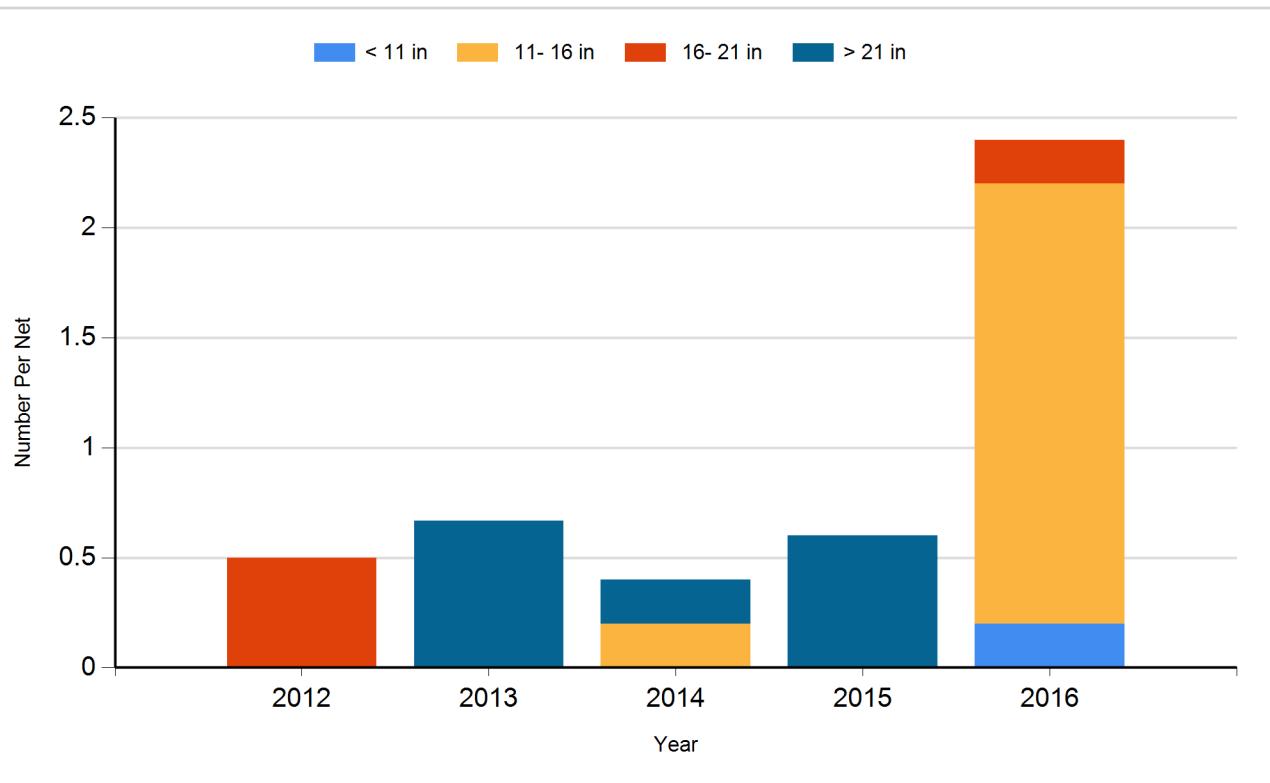
Species: Bluegill  
Gear: frame net (std 3/4 in)



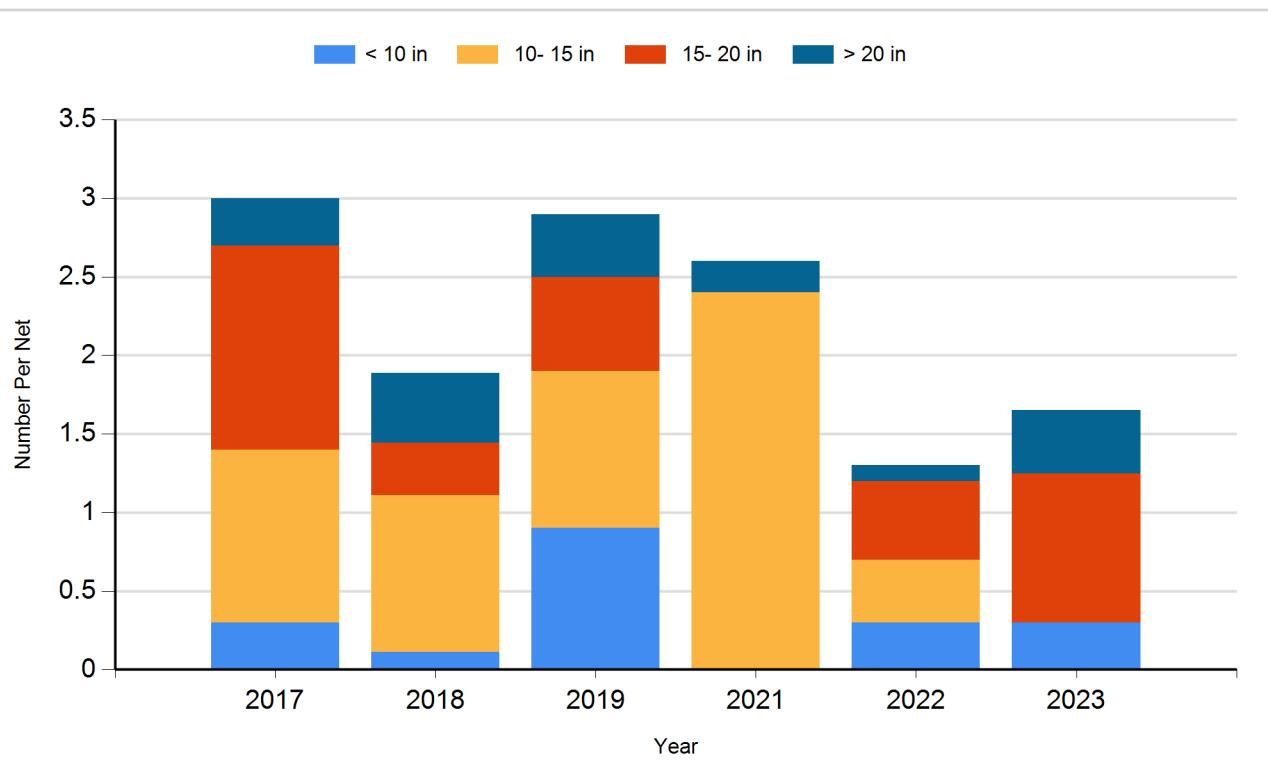
Species: Common Carp  
Gear: AFS std gill net



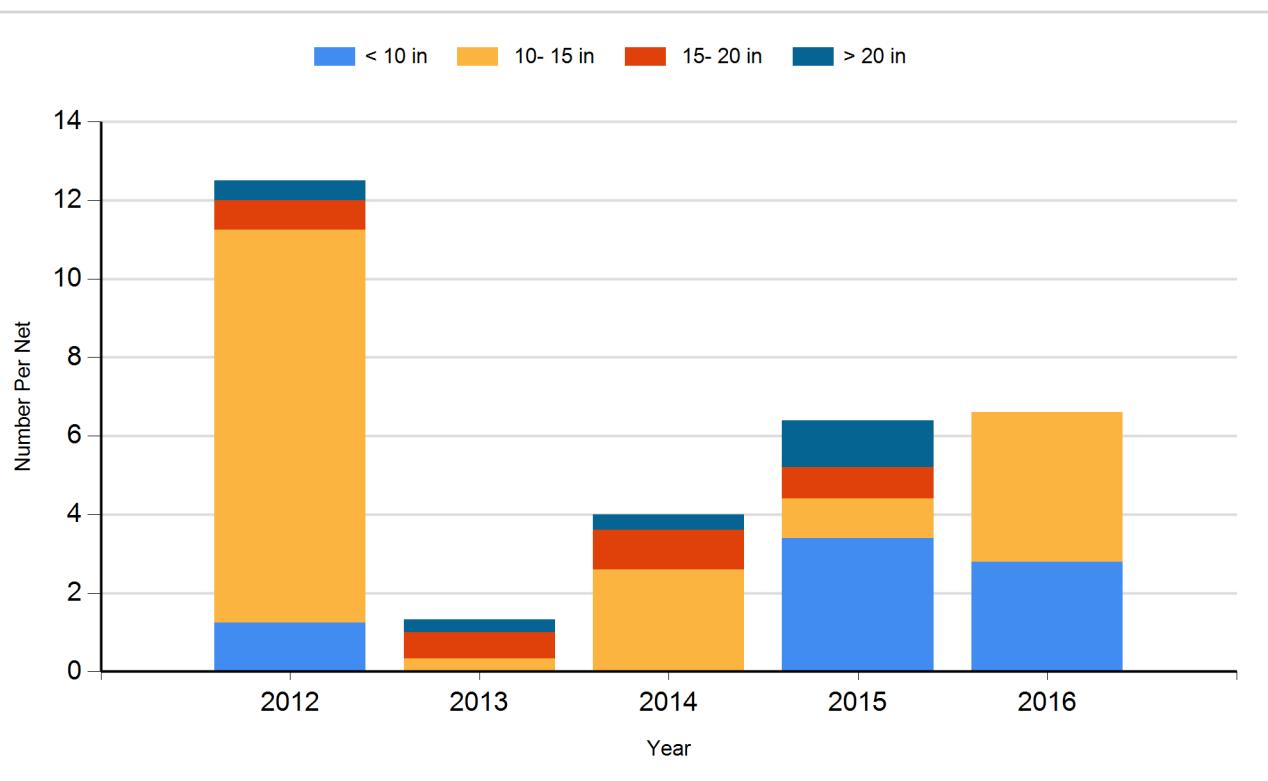
Species: Common Carp  
Gear: std exp gill net



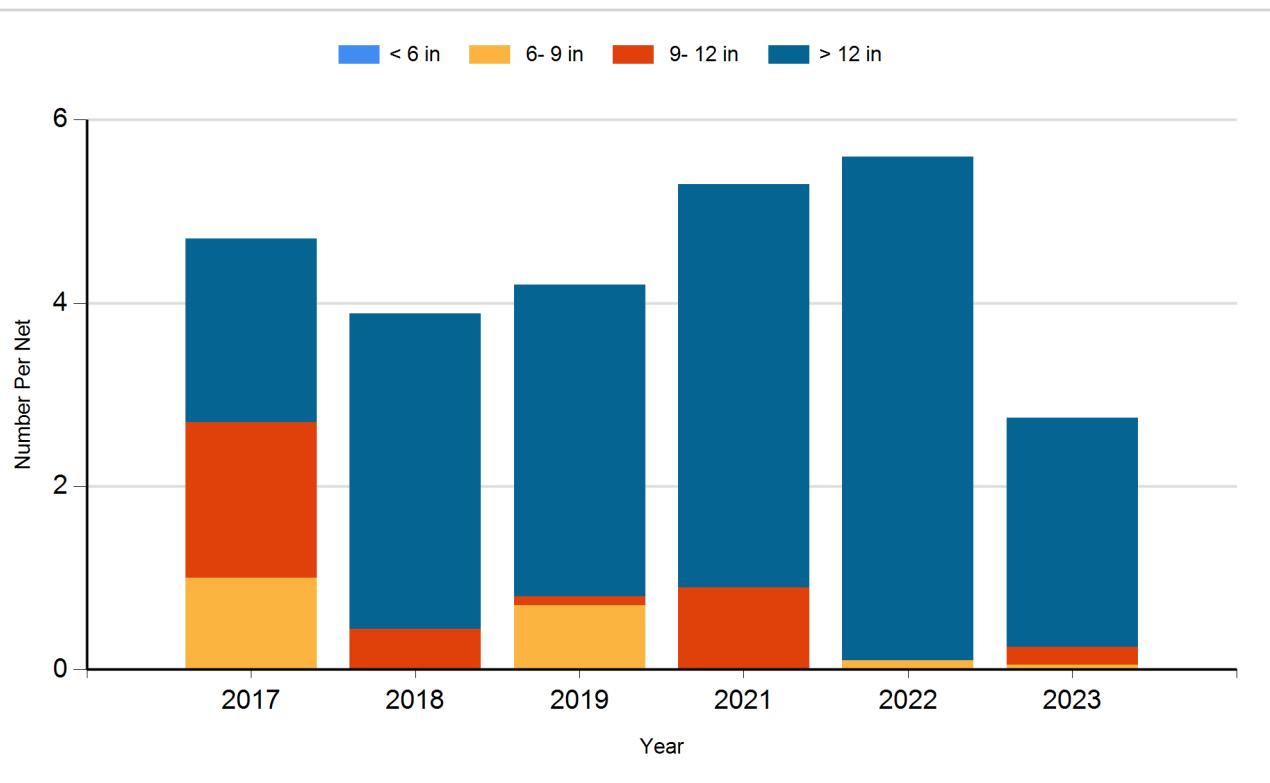
Species: Walleye  
Gear: AFS std gill net



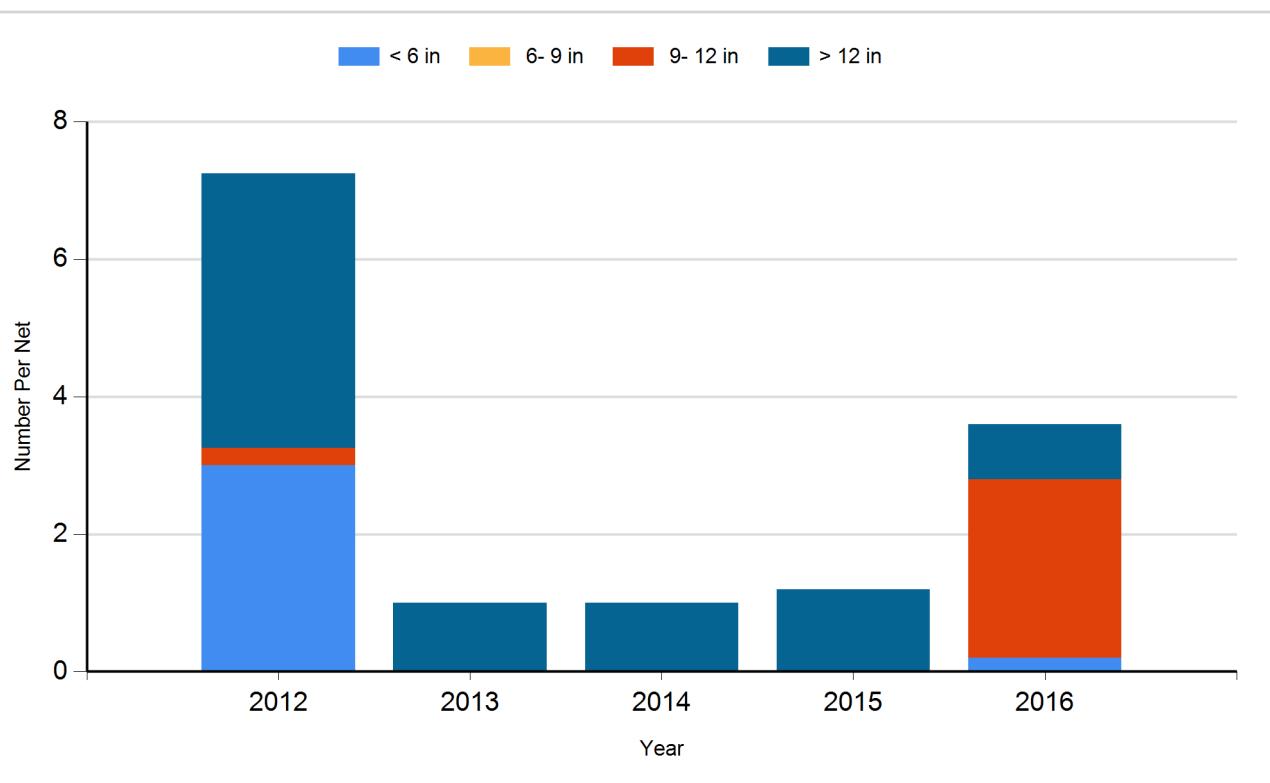
Species: Walleye  
Gear: std exp gill net



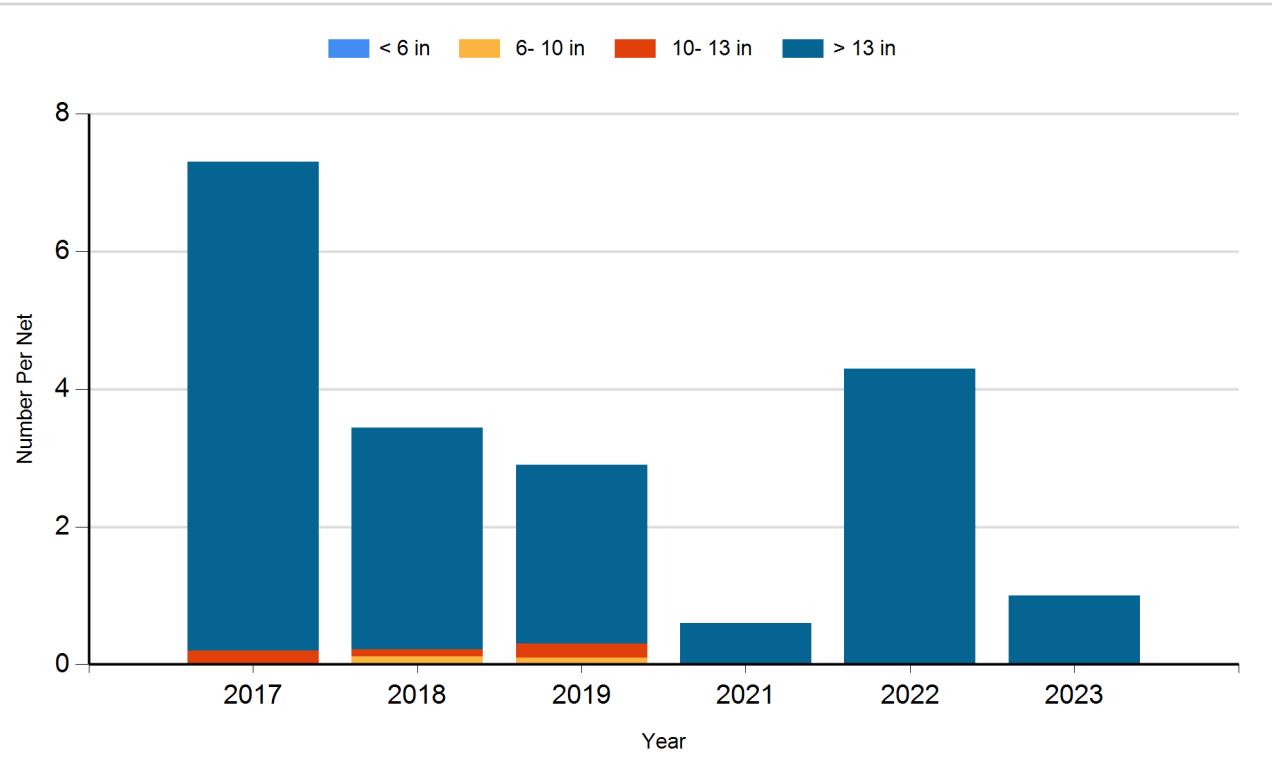
Species: White Bass  
Gear: AFS std gill net



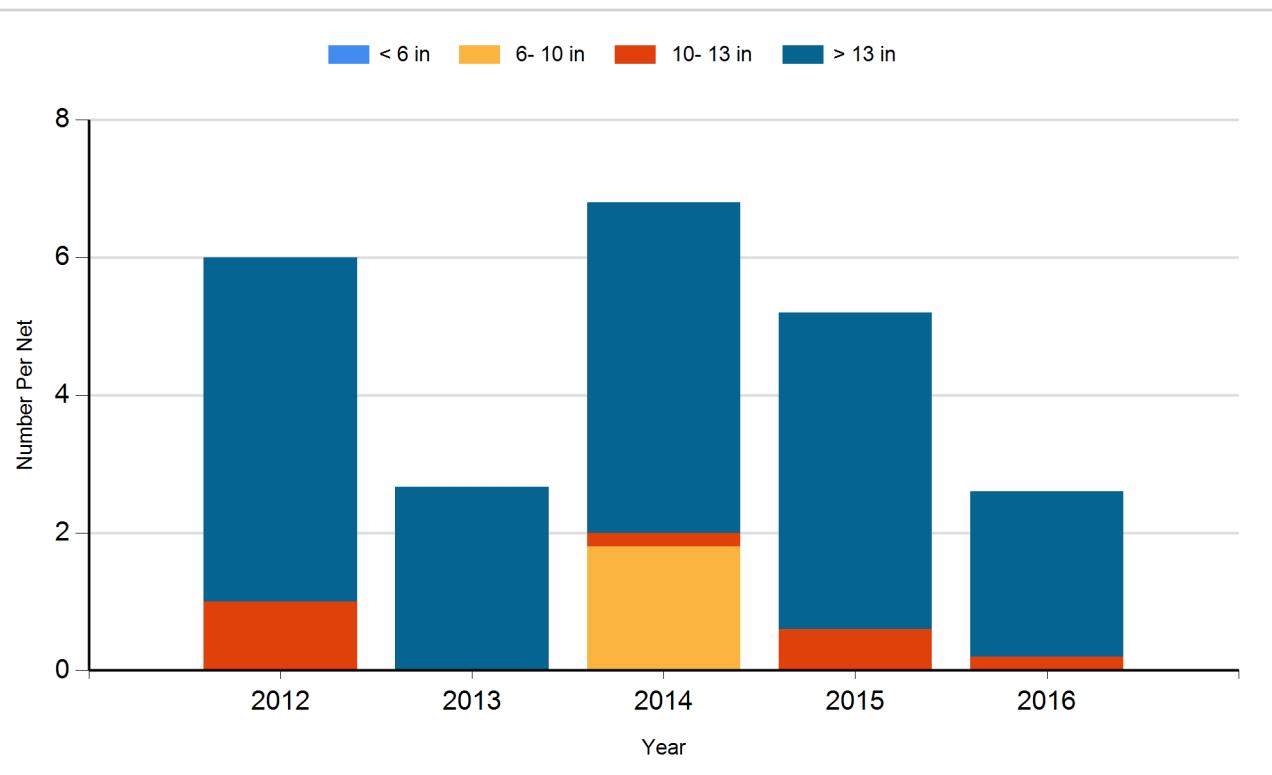
Species: White Bass  
Gear: std exp gill net



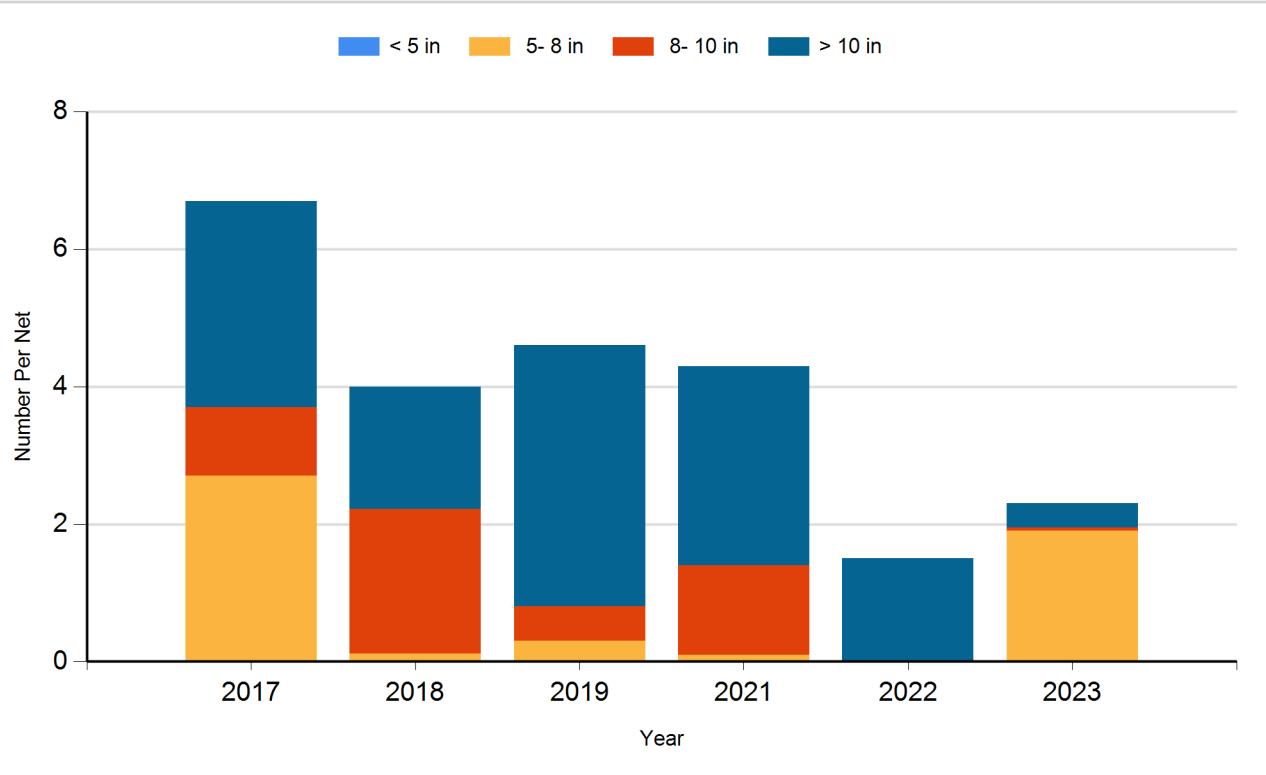
Species: White Sucker  
Gear: AFS std gill net



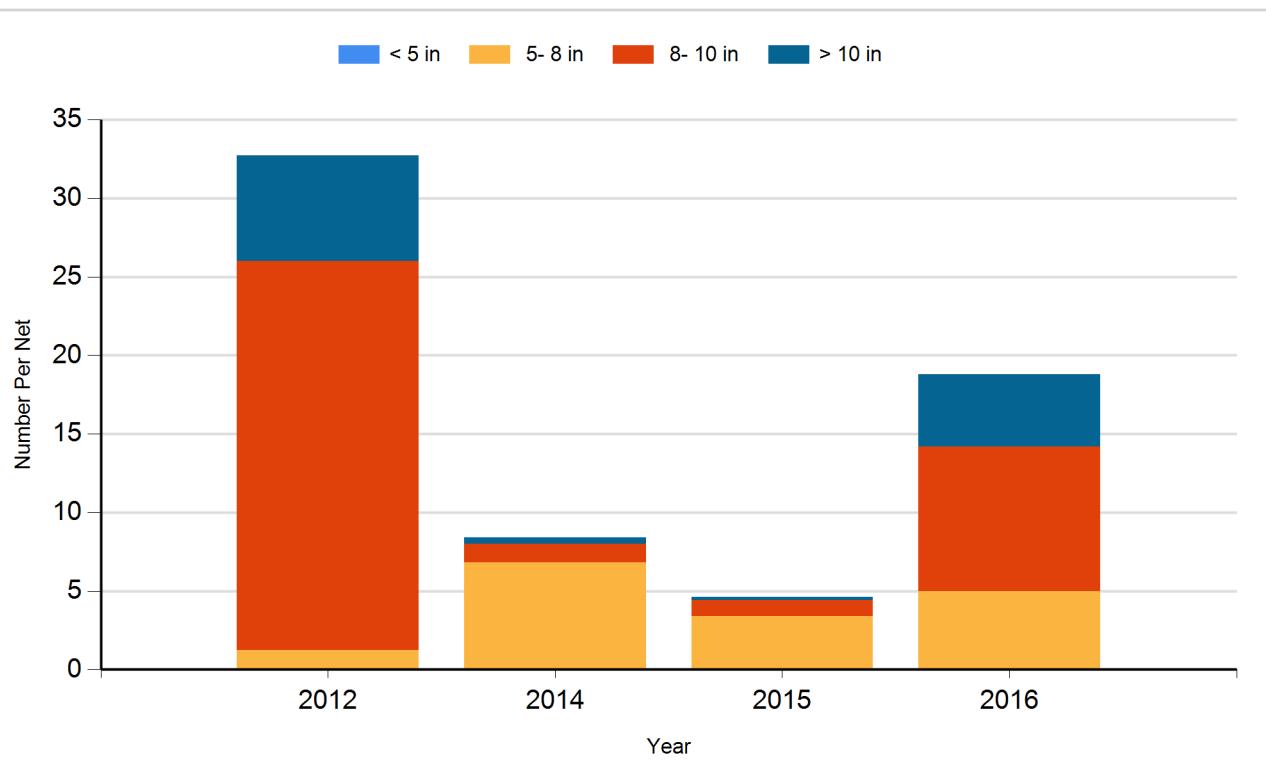
Species: White Sucker  
Gear: std exp gill net



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	102,660
2014	Walleye	Small Fingerling	103,600
2014	Yellow Perch	Small Fingerling	499,000
2015	Walleye	Small Fingerling	68,320
2017	Walleye	Small Fingerling	70,490
2018	Walleye	Small Fingerling	72,900
2019	Walleye	Small Fingerling	73,030
2021	Walleye	Juvenile	73,920
2023	Walleye	Fry	1,200,000