

# SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Curlew, Meade County

MCE-Lake-6-000

2021

## Lake Information

**Name:** Curlew  
**County:** Meade  
**Surface Area:** 123 Acres

## Surveys and Investigations

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

Gear	Date	Effort
AFS std gill net	Aug 06, 2021	4 net-nights
boat shocker (day)	Oct 08, 2021	3600 seconds
frame net (std 3/4 in)	Jun 03, 2021	8 net-nights

## **Common Fish Species Present**

Largemouth Bass

Gizzard Shad

Walleye

Black Crappie

Black Bullhead

Smallmouth Bass

Common Carp

Channel Catfish

Bluegill

Yellow Perch

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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.

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

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	8	2.0	0.7	0		0		79	5
	Black Crappie	16	2.0	1.5	88		0		110	3
	Channel Catfish	7	1.8	1.2	71		0		81	3
	Common Carp	17	3.5	2.7	0		0		82	1
	Gizzard Shad	11	2.8	1.8	82				98	2
	Largemouth Bass	3	0.8	0.4	0		0		104	1
	Walleye	9	2.3	1.4	33		11		88	2
boat shocker (day)	Largemouth Bass	82	79.0	26.3	22	7	4		109	1
	Smallmouth Bass	15	14.0	18.9	0		0		96	2
	Walleye*	81	81.0	13.1	67	9	8	5	96	1
frame net (std 3/4 in)	Black Bullhead	309	38.4	15.0	1		0		67	1
	Black Crappie	1964	244.4	97.4	31	1	13	1	98	0
	Bluegill	12	1.5	0.6	58	24	0		106	5
	Channel Catfish	2	0.1	0.2	0		0		88	
	Common Carp	10	0.5	0.5	0		0			
	Smallmouth Bass	13	1.5	1.9	0		0		100	3
	Walleye	12	1.4	1.4	45		27		91	4
	Yellow Perch	5	0.6	0.4	0		0		84	2

## 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	
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		
AFS gill net (1/2 inch)*	Black Bullhead								0.5				0.50
	Black Crappie								1.0				1.00
	Walleye								2.5				2.50
AFS std frame net	Black Bullhead						3.3						3.30
	Black Crappie						10.7						10.70
	Bluegill						4.5						4.50
	Common Carp						0.1						0.10
	Gizzard Shad						49.4						49.40
	Walleye						0.2						0.20
	White Sucker						0.9						0.90
AFS std gill net	Black Bullhead						1.3	0.5	0.0	12.8	2.0		3.32
	Black Crappie						3.8	2.0	0.0	0.5	2.0		1.66
	Channel Catfish						2.0	2.8	0.5	4.5	1.8		2.32
	Common Carp						1.0	0.3	0.3	2.5	3.5		1.52
	Gizzard Shad						20.3	3.0	0.3	0.5	2.8		5.38
	Largemouth Bass						0.0	0.0	0.0	0.5	0.8		0.26
	Walleye						0.8	5.5	1.5	3.3	2.3		2.68
	Yellow Perch						0.0	2.5	0.0	0.8	0.0		0.66
boat shocker (day)	Largemouth Bass											79.0	79.00
	Smallmouth Bass											14.0	14.00
	Walleye*											81.0	81.00
boat shocker (night)	Largemouth Bass	40.6		16.9	40.8	85.0	40.8	20.8	13.0	15.5			34.18
	Smallmouth Bass	0.0		1.2	9.6	5.0	2.4	7.5	0.0	12.5			4.78
	Walleye*	67.2		158.6	32.4	105.0	66.0	113.3	55.3	30.0			78.48
frame net (std 3/4 in)	Black Bullhead	59.8	65.9	56.5	82.9	31.2		11.9	10.6	11.3	38.4		40.94
	Black Crappie	61.0	87.5	39.3	48.0	48.9		29.1	62.5	89.3	244.4		78.89
	Bluegill	0.9	0.5	2.0	2.6	5.0		0.8	0.3	0.8	1.5		1.60
	Channel Catfish	0.0	0.0	0.0	0.4	0.6		0.2	1.0	0.3	0.1		0.29
	Common Carp	0.1	0.1	0.0	1.0	0.1		0.0	0.8	0.0	0.5		0.29
	Gizzard Shad	0.0	0.0	0.0	0.0	2.3		9.3	0.0	0.0	0.0		1.29
	Golden Shiner	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.00
	Green Sunfish	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.00
	Largemouth Bass	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.00
	Northern Pike	0.5	0.0	0.0	0.1	0.0		0.1	0.0	0.0	0.0		0.08

		CPUE										
Gear	Species	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Avg
frame net (std 3/4 in)	Smallmouth Bass	0.0	0.0	0.0	0.0	0.0		0.0	0.1	0.0	1.5	0.18
	Walleye	0.5	0.0	0.8	0.3	0.3		4.6	2.1	2.5	1.4	1.39
	White Sucker	0.0	0.0	0.1	0.4	0.0		0.0	0.0	0.0	0.0	0.06
	Yellow Perch	0.8	3.0	0.3	0.5	2.0		0.5	0.4	0.0	0.6	0.90
rod and reel	Black Crappie						225.0					225.0 0
std exp gill net	Black Bullhead	3.0	3.1	0.5	23.0	13.5						8.62
	Black Crappie	2.0	2.9	17.0	3.5	5.0						6.08
	Channel Catfish	2.5	0.4	1.5	0.5	6.5						2.28
	Common Carp	4.5	0.1	0.5	0.5	0.0						1.12
	Gizzard Shad	0.0	0.0	1.5	32.0	25.5						11.80
	Golden Shiner	0.0	0.0	0.0	0.0	0.0						0.00
	Largemouth Bass	0.0	0.3	0.0	1.0	1.5						0.56
	Northern Pike	3.5	0.9	0.5	2.5	0.5						1.58
	Smallmouth Bass	0.0	0.0	0.0	0.5	0.0						0.10
	Walleye	4.5	8.4	17.0	7.5	11.5						9.78
	White Sucker	0.5	0.0	0.0	0.0	0.0						0.10
	Yellow Perch	0.0	1.1	4.5	3.0	0.0						1.72

## 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											
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		
AFS std frame net	Black Bullhead	PSD							6					
		PSD-P							0					
		Wr							88					
	Black Crappie	PSD								93				
		PSD-P								27				
		Wr								96				
	Bluegill	PSD								38				
		PSD-P								0				
		Wr								114				
	Common Carp	PSD								100				
		PSD-P								0				
		Wr								87				
	Gizzard Shad	PSD								2				
		Wr								86				
	Walleye	PSD								100				
		PSD-P								50				
		Wr								78				
	AFS std gill net	Black Bullhead	PSD							0	50	0	0	0
PSD-P									0	0	0	0	0	
Wr									74	120		88	79	
Black Crappie		PSD								7	88		50	88
		PSD-P								0	25		50	0
		Wr								101	109		104	110
Channel Catfish		PSD								38	0	50	33	71
		PSD-P								0	0	0	0	0
		Wr								83	94	93	83	81
Common Carp		PSD								25	100	100	30	0
		PSD-P								0	0	0	0	0
		Wr								82	76	76	83	82
Gizzard Shad		PSD								6	92	100	100	82
		Wr								87	104	79	98	98
Largemouth Bass		PSD											0	0
		PSD-P											0	0



Gear	Species	Index	Year									
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
AFS std gill net	Largemouth Bass	Wr									121	104
		PSD						100	18	67	23	33
		PSD-P						33	18	0	0	11
	Yellow Perch	Wr						79	97	89	86	88
		PSD								0		0
		PSD-P								0		0
		Wr								92		84
		PSD										
		PSD-P										
boat shocker (day)	Largemouth Bass	PSD										22
		PSD-P										4
		Wr										109
	Smallmouth Bass	PSD										0
		PSD-P										0
		Wr										96
	Walleye	PSD										67
		PSD-P										8
		Wr										96
boat shocker (night)	Largemouth Bass	PSD	42		36	32	11	21	100	13	0	
		PSD-P	10		7	3	5	12	20	13	0	
		Wr	115		115	105	101	108	117	106	115	
	Smallmouth Bass	PSD			100	13	0	0	17	0	4	
		PSD-P			0	0	0	0	17	0	0	
		Wr			109	92	96	101	109		108	
	Walleye	PSD	7		32	100	74	67	38	36	19	
		PSD-P	0		3	26	22	21	12	10	8	
		Wr	86		100	98	90	92	95	96	93	
frame net (std 3/4 in)	Black Bullhead	PSD	3	1	2	2	18		13	75	13	1
		PSD-P	0	0	0	0	0		0	0	0	0
		Wr	86	82	70	76	78		80	92	85	67
	Black Crappie	PSD	42	59	52	80	91		29	67	29	31
		PSD-P	0	8	35	8	25		2	10	3	13
		Wr	103	103	90	91	97		92	98	98	98
	Bluegill	PSD	86	25	6	67	36		13	33	20	58
		PSD-P	43	0	0	0	0		0	0	0	0
		Wr	103	107	99	106	99		103	110	112	106
	Channel Catfish	PSD			0	33	33		50	20	0	0
		PSD-P			0	0	0		0	0	0	0

Gear	Species	Index	Year									
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
frame net (std 3/4 in)	Channel Catfish	Wr				100	105		104	91	94	88
	Common Carp	PSD	100	100	0	75	0		0	100	0	0
		PSD-P	100	0	0	13	0		0	0	0	0
		Wr	74	92		81	81			81		
	Gizzard Shad	PSD				0	0		0			
		Wr							75			
	Smallmouth Bass	PSD								100		0
		PSD-P								0		0
		Wr								113		100
	Walleye	PSD	0	0	100	50	100		89	57	27	45
		PSD-P	0	0	17	50	33		43	29	13	27
		Wr	82		85	107	94		86	93	87	91
	Yellow Perch	PSD	100	67	50	0	5		0	75		0
		PSD-P	0	0	50	0	0		0	0		0
		Wr	81	80	74	79	69		97	78		84
rod and reel	Black Crappie	PSD							96			
		PSD-P							22			
std exp gill net	Black Bullhead	PSD	0	0	0	11	0					
		PSD-P	0	0	0	0	0					
		Wr	78	81	80	88	81					
	Black Crappie	PSD	75	0	3	86	60					
		PSD-P	0	0	3	29	20					
		Wr	100	100	92	92	96					
	Channel Catfish	PSD	80	100	100	100	62					
		PSD-P	0	0	33	0	8					
		Wr	81	104	102	90	85					
	Common Carp	PSD	67	100	100	100						
		PSD-P	0	0	100	0						
		Wr	89	85		80						
	Gizzard Shad	PSD		0	100	13	8					
		Wr			86	90						
	Largemouth Bass	PSD		75		0	0					
		PSD-P		75		0	0					
		Wr		89		96	97					
	Smallmouth Bass	PSD				0						
		PSD-P				0						

Gear	Species	Index	Year									
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
std exp gill net	Smallmouth Bass	Wr				75						
		Walleye										
		PSD	22	69	59	87	87					
		PSD-P	11	0	0	20	43					
		Wr	81	94	84	89	90					
	Yellow Perch	PSD		11	11	0						
		PSD-P		0	0	0						
		Wr		84	77	77						

## 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+
2015	784		131 (26)	212 (171)	216 (527)	252 (55)	252 (5)				
2014	544			180 (358)	255 (23)	261 (117)	274 (46)				
2013	1400		150 (572)	222 (331)	238 (332)	249 (165)					
2012	1638	123 (862)	180 (209)	196 (272)	212 (260)	213 (35)					

Species: Largemouth Bass

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2016	172	183 (8)	240 (146)	332 (8)	379 (4)	385 (2)	455 (2)	426 (2)			
2015	100	200 (78)	301 (12)	336 (10)							

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2020	13		299 (10)	390 (1)	438 (2)						
2019	5	202 (1)	362 (1)	405 (2)			502 (1)				
2018	21	276 (6)	345 (12)			565 (3)					
2016	42		342 (6)	500 (25)	511 (5)	565 (4)			596 (2)		
2015	30	276 (2)	409 (18)		535 (2)		496 (2)	531 (6)			
2014	80	217 (12)	324 (4)	379 (38)	414 (2)		439 (24)				
2013	144		299 (24)	348 (7)	375 (8)	411 (105)					
2012	18				326 (16)			690 (2)			

## 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).

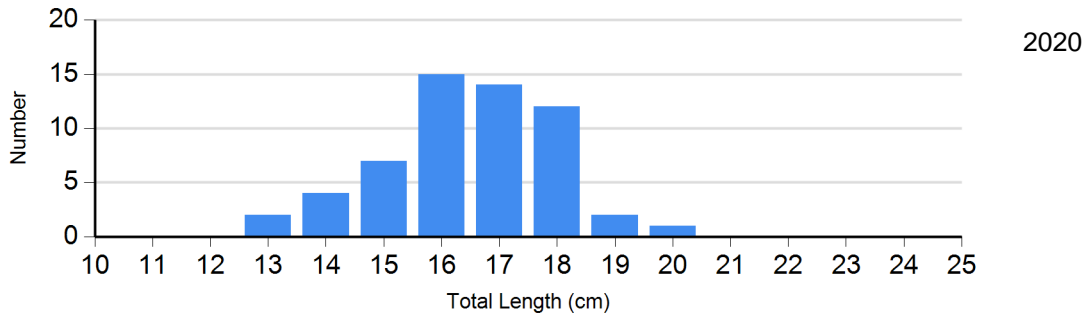
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Bullhead Gill Net	2017	5	74 (2.2)	0		0		0	
	2018	1	93	1	147	0		0	
	2019	0		0		0		0	
	2020	51	88 (1.3)	0		0		0	
	2021	8	79 (3.8)	0		0		0	
Black Crappie Frame Net	2017	8	99 (5.3)	70	98 (0.8)	29	91 (1.3)	0	
	2018	208	93 (0.4)	76	84 (0.7)	7	84 (1.3)	0	
	2019	206	97 (0.9)	358	97 (0.4)	61	102 (0.6)	0	
	2020	382	107 (0.6)	136	89 (0.5)	18	83 (1.0)	0	
	2021	1347	100 (0.4)	360	97 (0.6)	239	92 (0.9)	9	86
Bluegill Frame Net	2017	28	118 (3.4)	17	108 (7.5)	0		0	
	2018	7	107 (6.7)	1	80	0		0	
	2019	2	111 (5.0)	1	108	0		0	
	2020	4	112 (6.9)	1	114	0		0	
	2021	5	111 (4.7)	7	102 (5.1)	0		0	
Channel Catfish Gill Net	2017	5	81 (2.7)	3	87 (4.9)	0		0	
	2018	11	94 (2.1)	0		0		0	
	2019	1	93	1	93	0		0	
	2020	12	85 (1.5)	6	80 (1.7)	0		0	
	2021	2	87 (2.5)	5	79 (2.6)	0		0	
Common Carp Gill Net	2017	3	84 (4.0)	1	76	0		0	
	2018	0		1	76	0		0	
	2019	0		1	76	0		0	

Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Common Carp Gill Net	2020	7	84 (1.7)	3	80 (1.0)	0		0	
	2021	14	82 (1.1)	0		0		0	
Largemouth Bass Electro Fishing	2017	27	106 (1.7)	3	111 (6.3)	4	118 (3.7)	0	
	2018	0		16	118 (1.5)	4	116 (2.7)	0	
	2019	13	105 (1.7)	0		2	112 (1.4)	0	
	2020	31	115 (1.6)	0		0		0	
	2021	62	109 (0.7)	14	108 (1.3)	3	115 (1.6)	0	
Smallmouth Bass Electro Fishing	2017	2	101 (10.6)	0		0		0	
	2018	5	110 (0.6)	0		1	106	0	
	2020	24	108 (1.5)	1	94	0		0	
	2021	14	96 (1.5)	0		0		0	
Walleye Gill Net	2017	0		2	77 (1.4)	1	84	0	
	2018	18	98 (2.2)	0		4	96 (3.0)	0	
	2019	2	89 (3.8)	4	89 (1.2)	0		0	
	2020	10	88 (1.1)	3	81 (2.3)	0		0	
	2021	6	88 (2.4)	2	87 (2.0)	1	92	0	
Yellow Perch Gill Net	2018	10	92 (2.2)	0		0		0	
	2020	3	84 (3.1)	0		0		0	

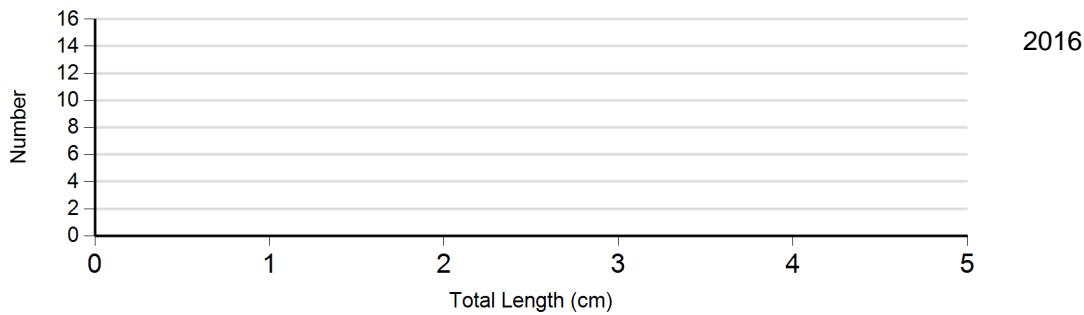
## Length Frequency Distribution

Length frequency histogram of species sampled by year.

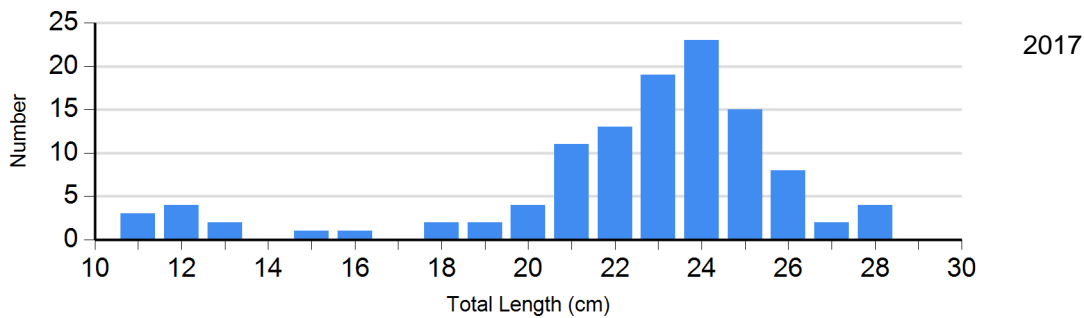
Species: Black Bullhead  
Gear: AFS std gill net



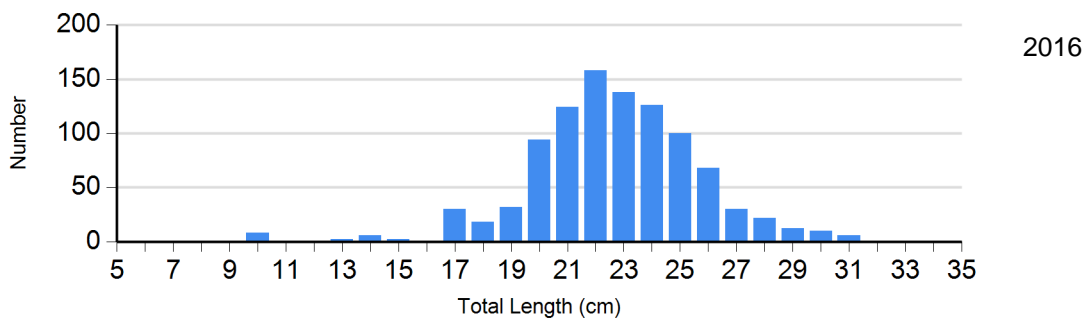
Species: Black Bullhead  
Gear: std exp gill net

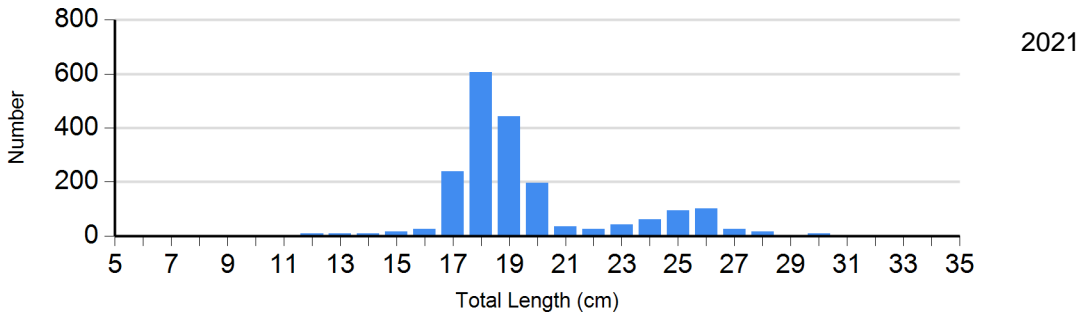
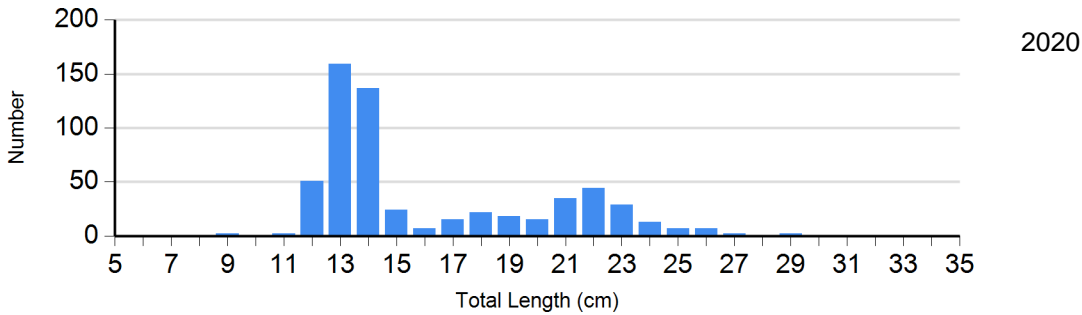
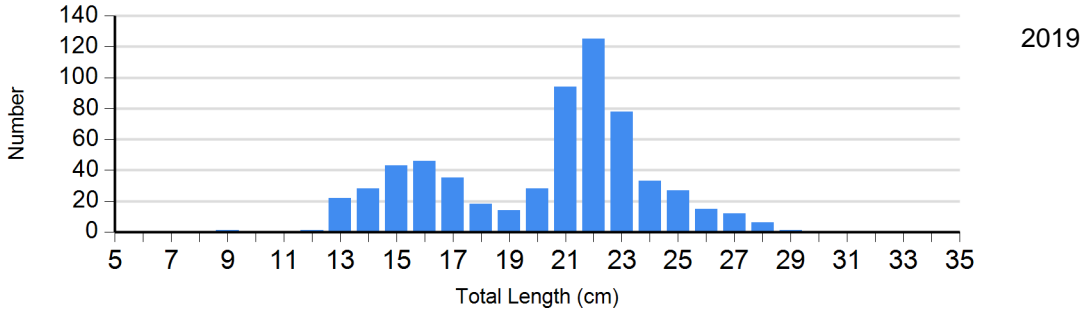
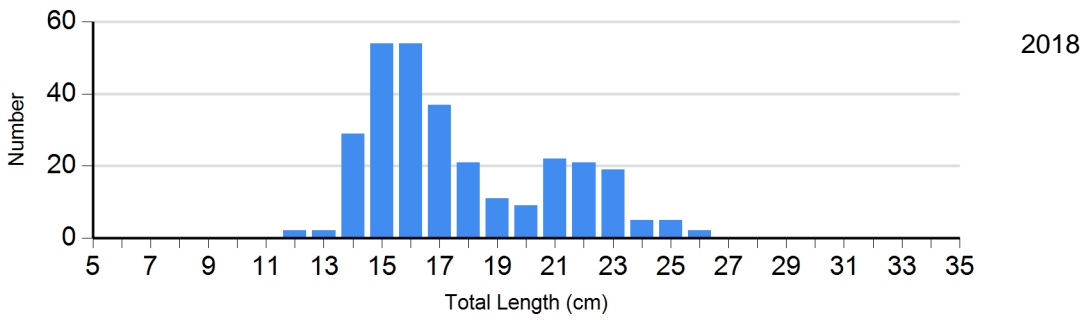


Species: Black Crappie  
Gear: AFS std frame net

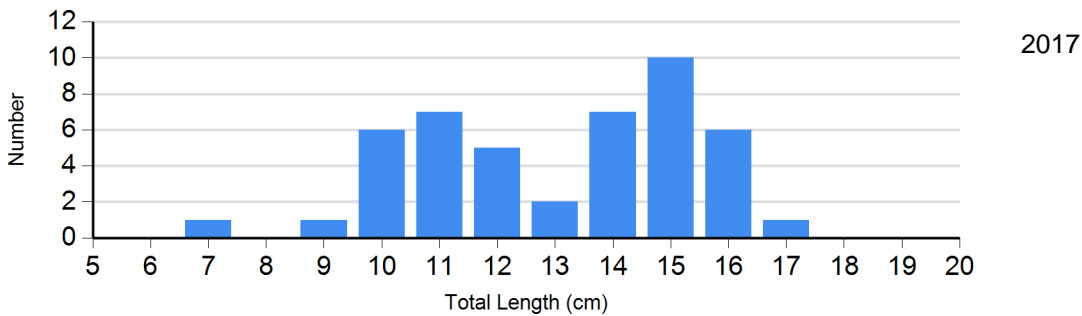


Species: Black Crappie  
Gear: frame net (std 3/4 in)



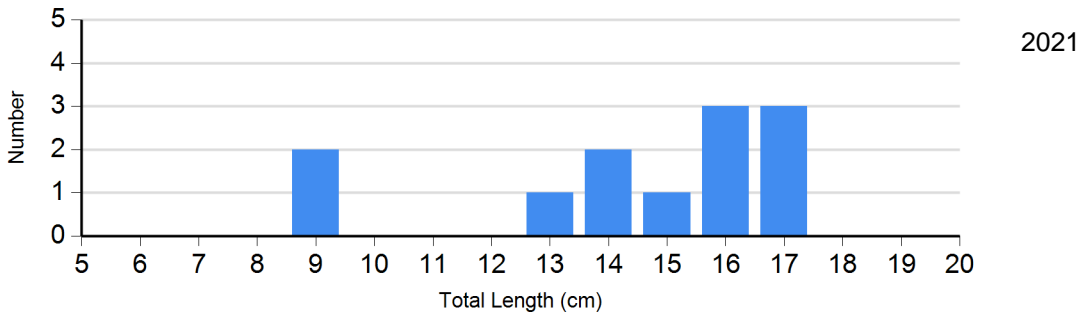
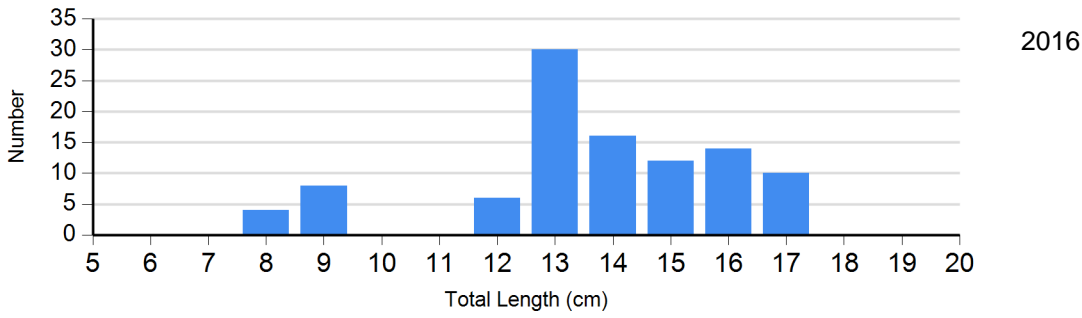


Species: Bluegill  
 Gear: AFS std frame net

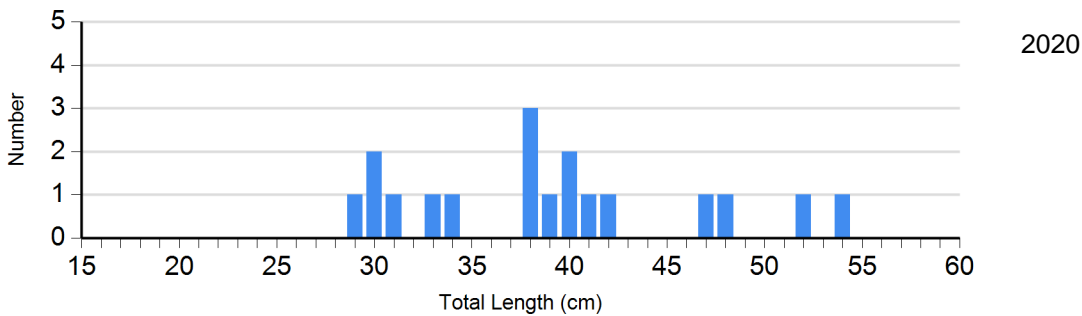
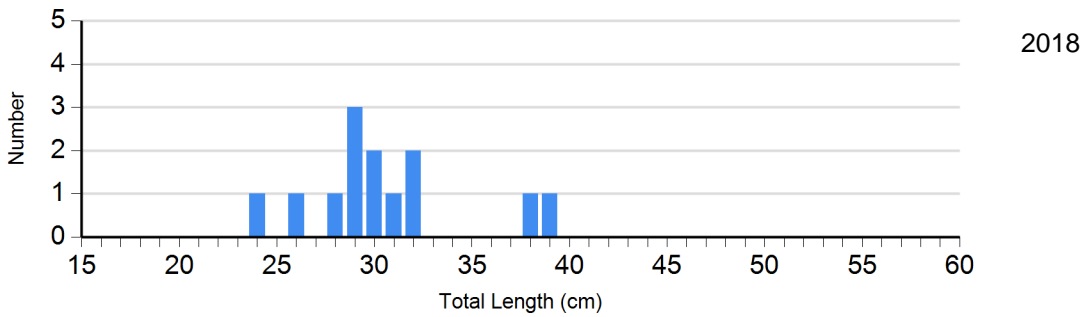
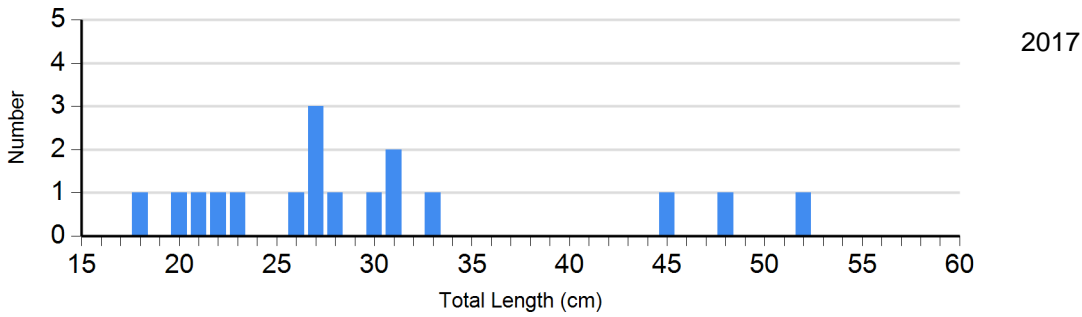




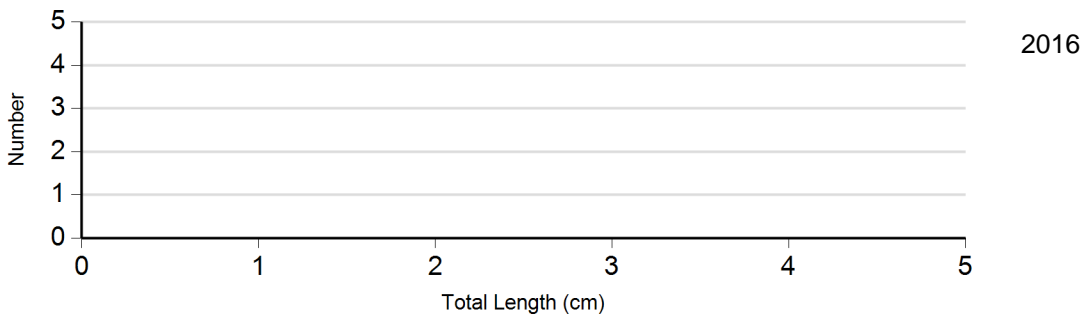
Species: Bluegill  
 Gear: frame net (std 3/4 in)



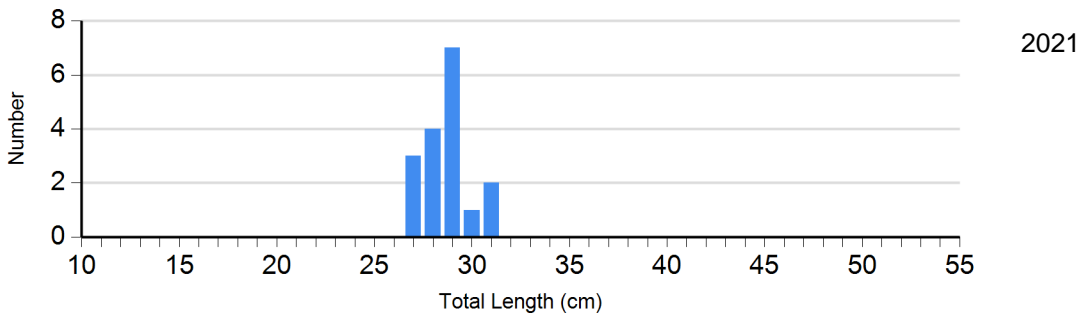
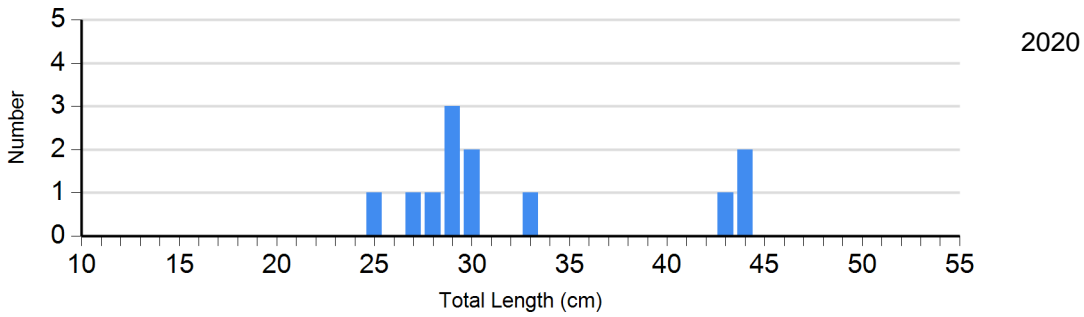
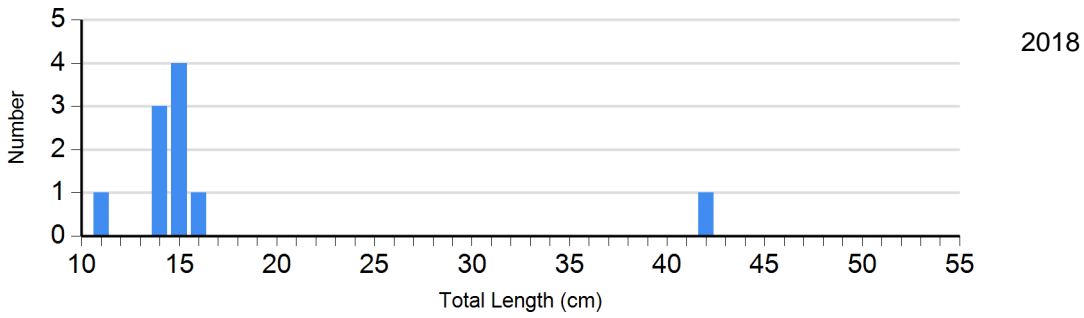
Species: Channel Catfish  
 Gear: AFS std gill net



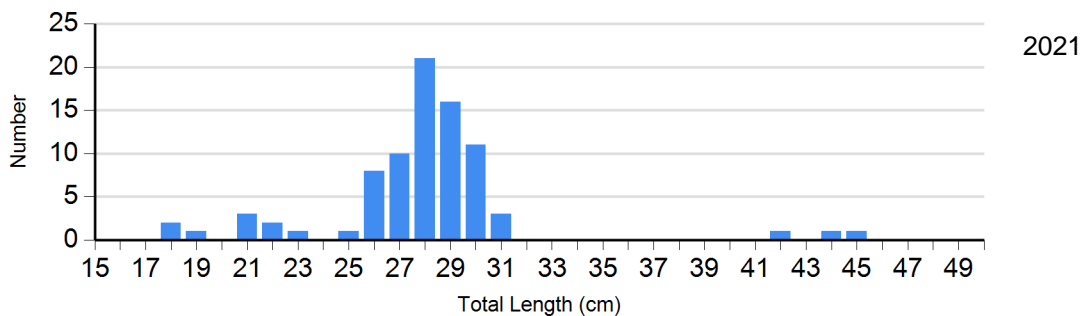
Species: Channel Catfish  
Gear: std exp gill net



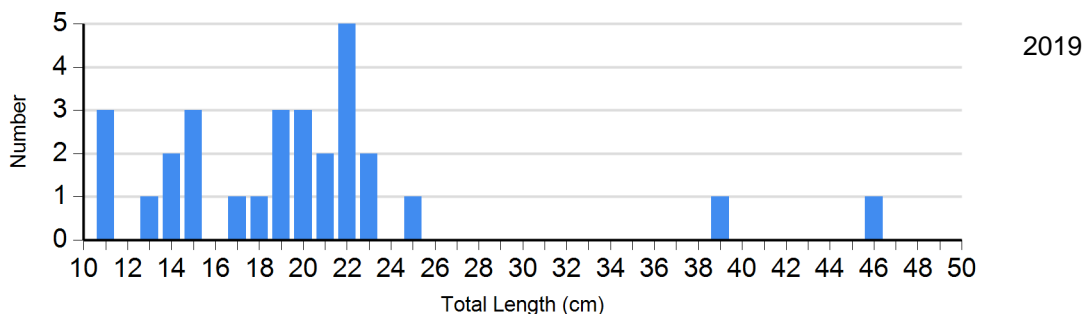
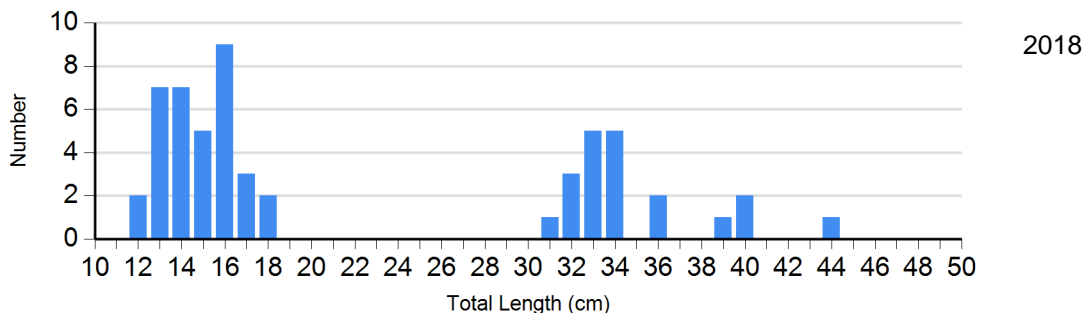
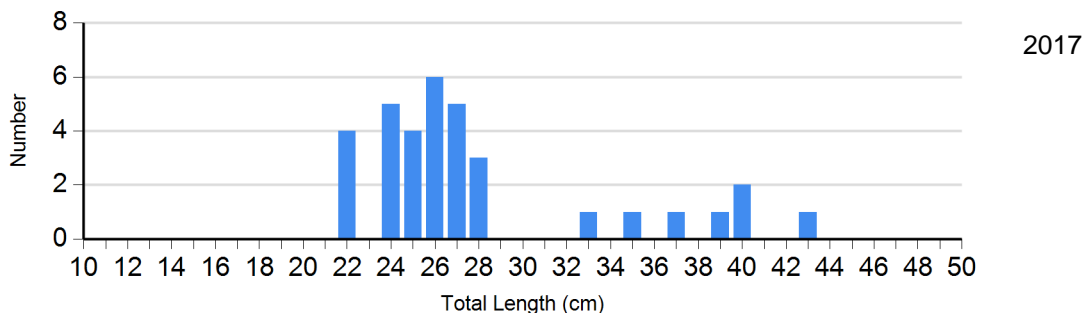
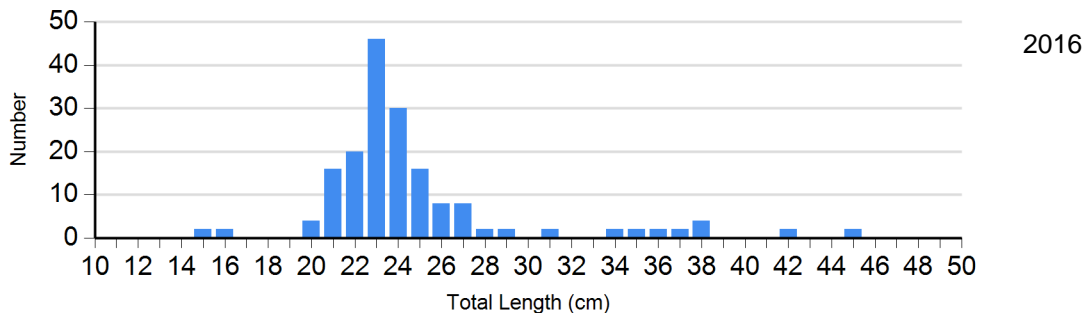
Species: Common Carp  
Gear: AFS std gill net

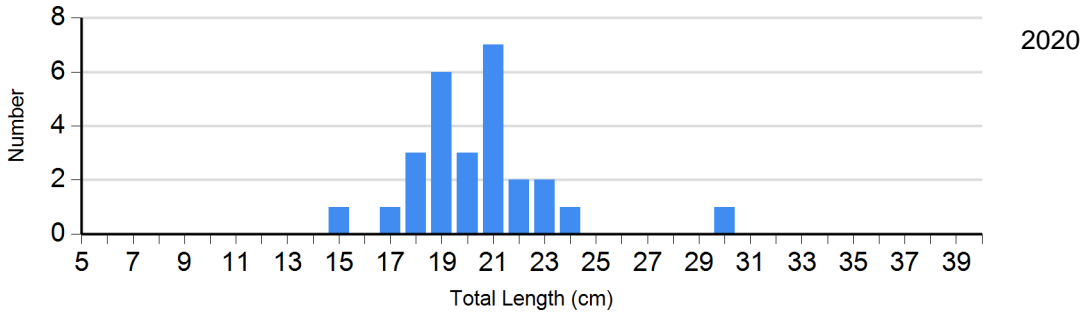
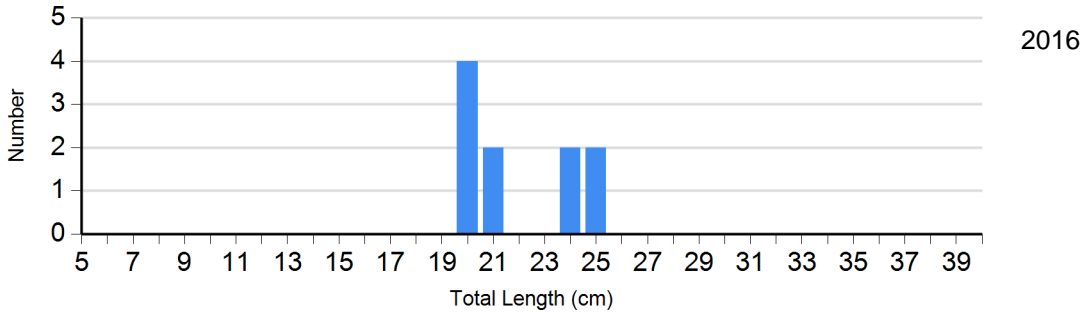
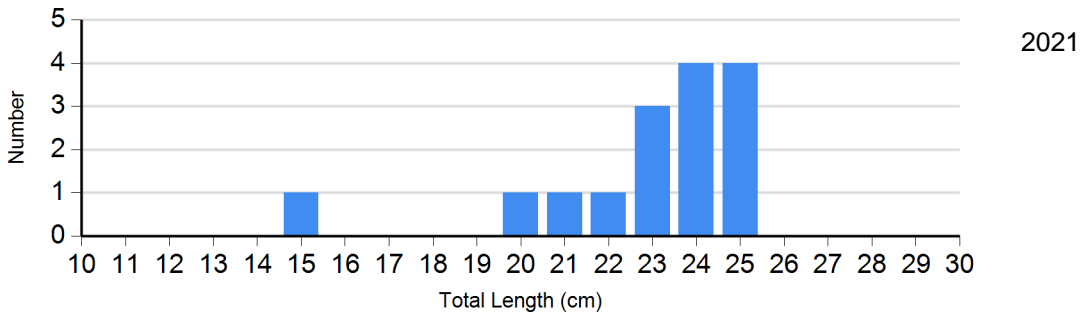
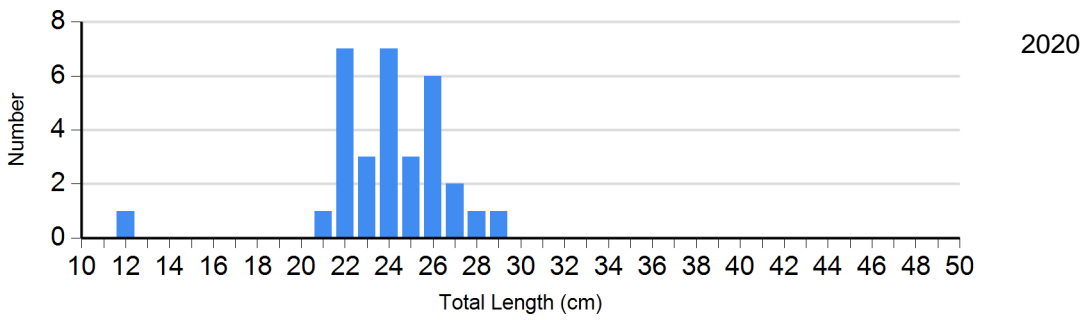


Species: Largemouth Bass  
 Gear: boat shocker (day)

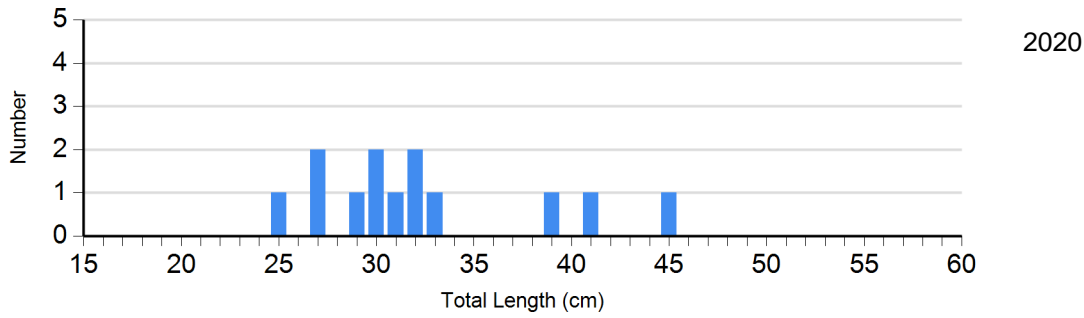
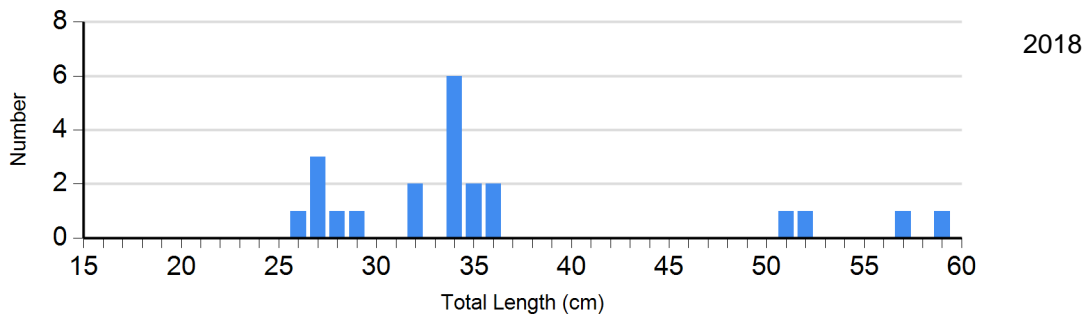


Species: Largemouth Bass  
 Gear: boat shocker (night)

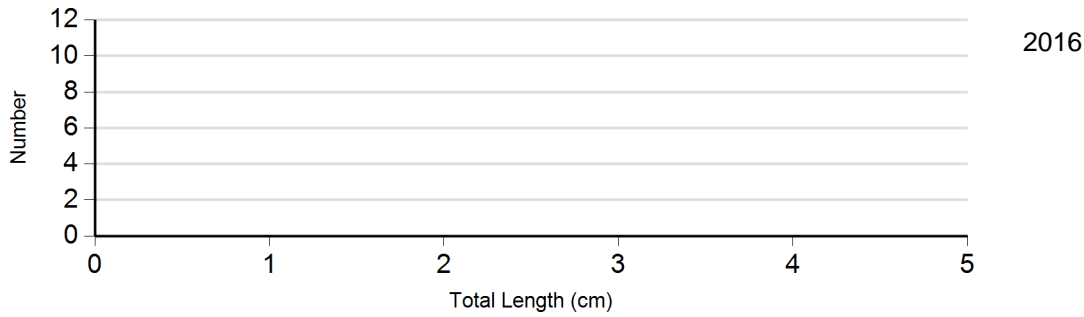




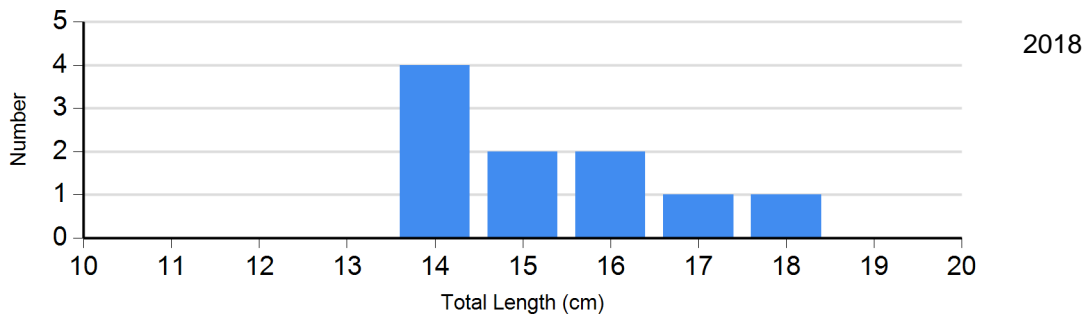
Species: Walleye  
Gear: AFS std gill net



Species: Walleye  
Gear: std exp gill net



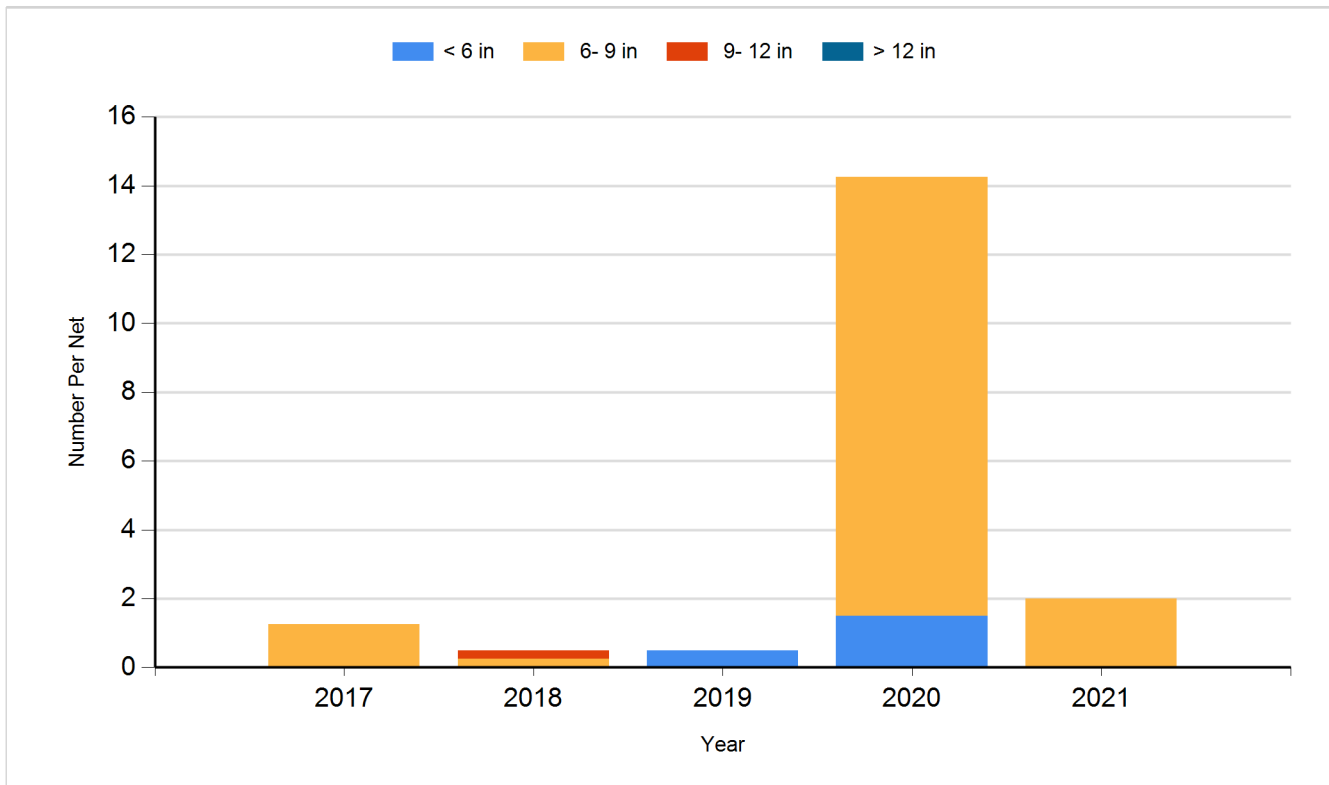
Species: Yellow Perch  
Gear: AFS std gill net



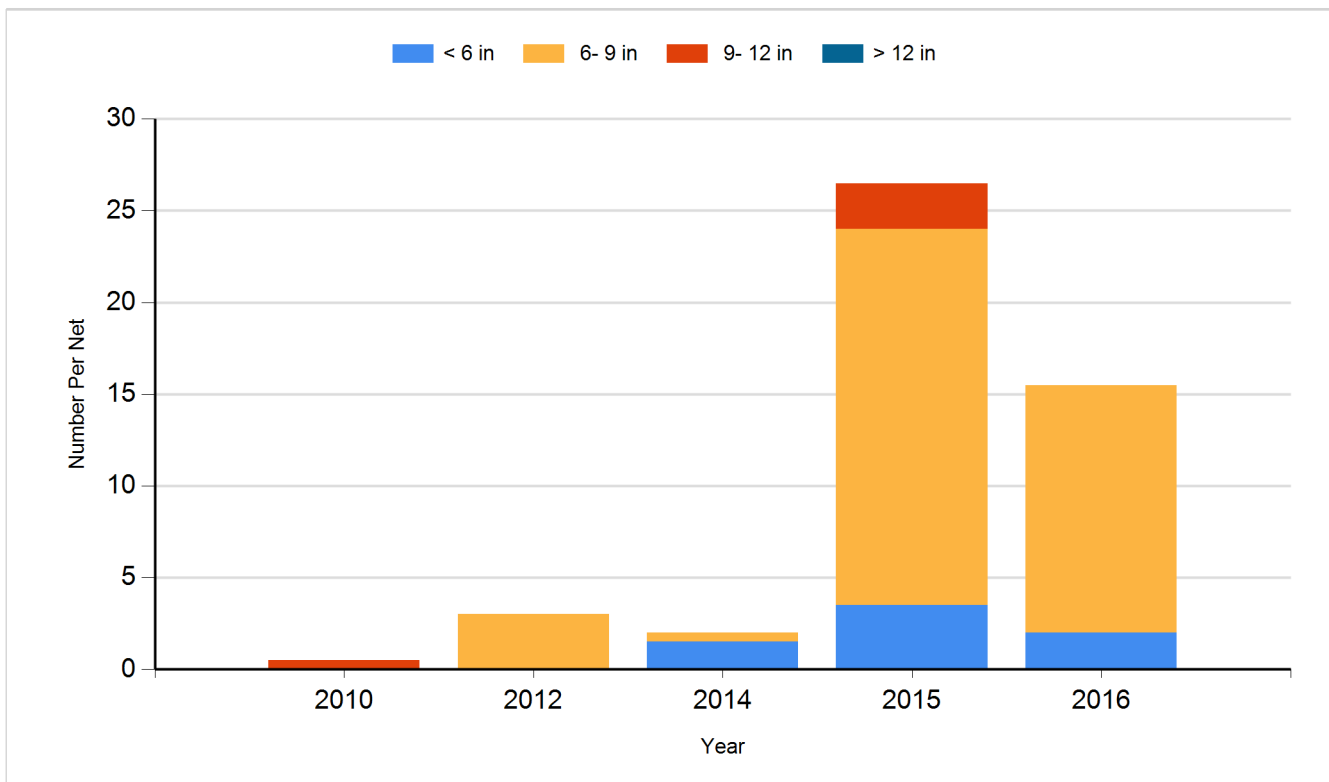
## Historic Fish Sizes and Relative Abundance

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

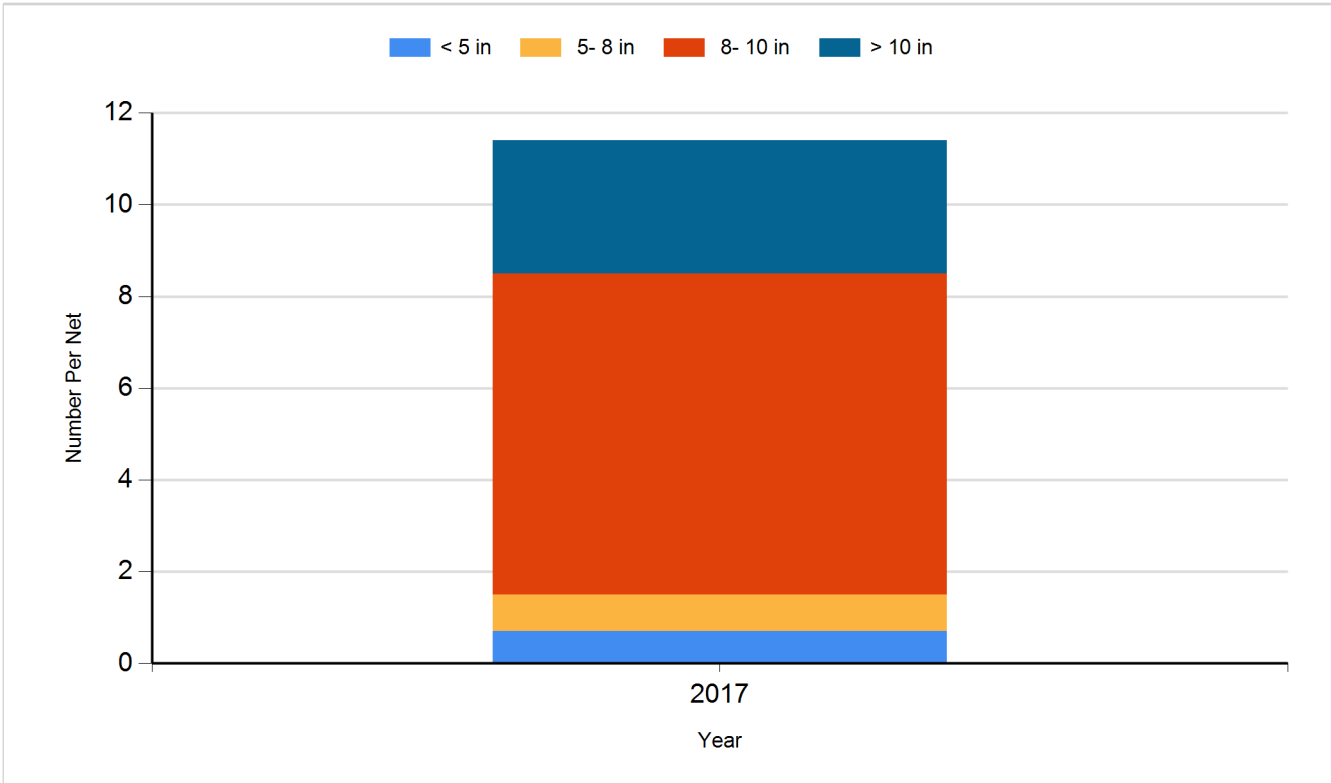
Species: Black Bullhead  
Gear: AFS std gill net



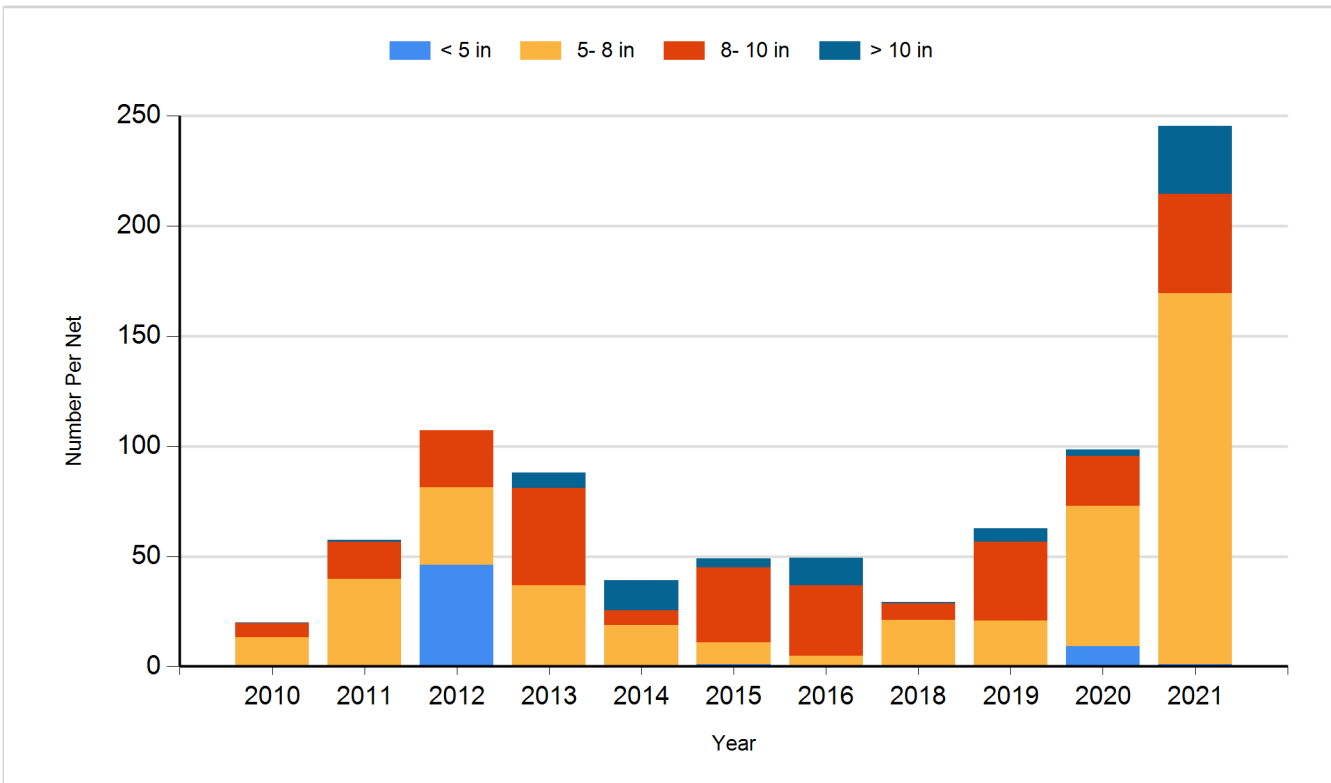
Species: Black Bullhead  
Gear: std exp gill net



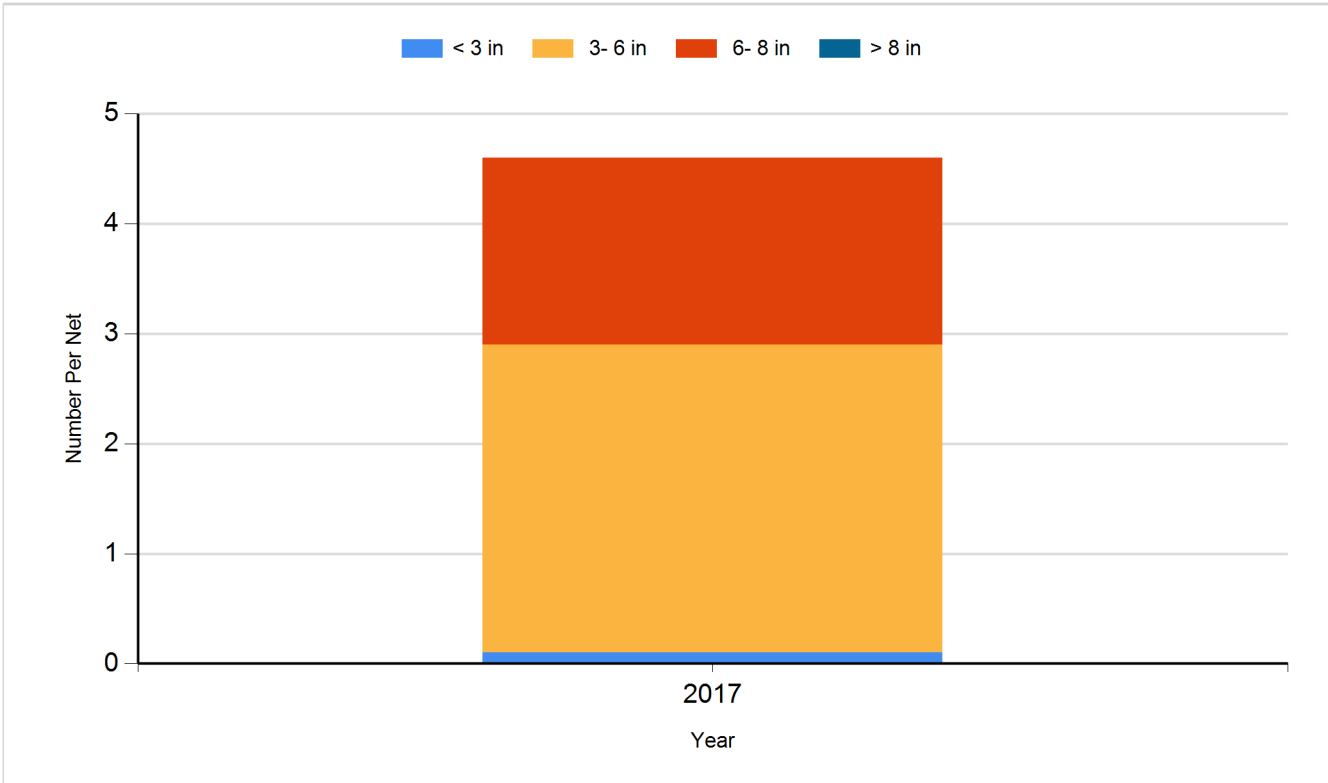
Species: Black Crappie  
Gear: AFS std frame net



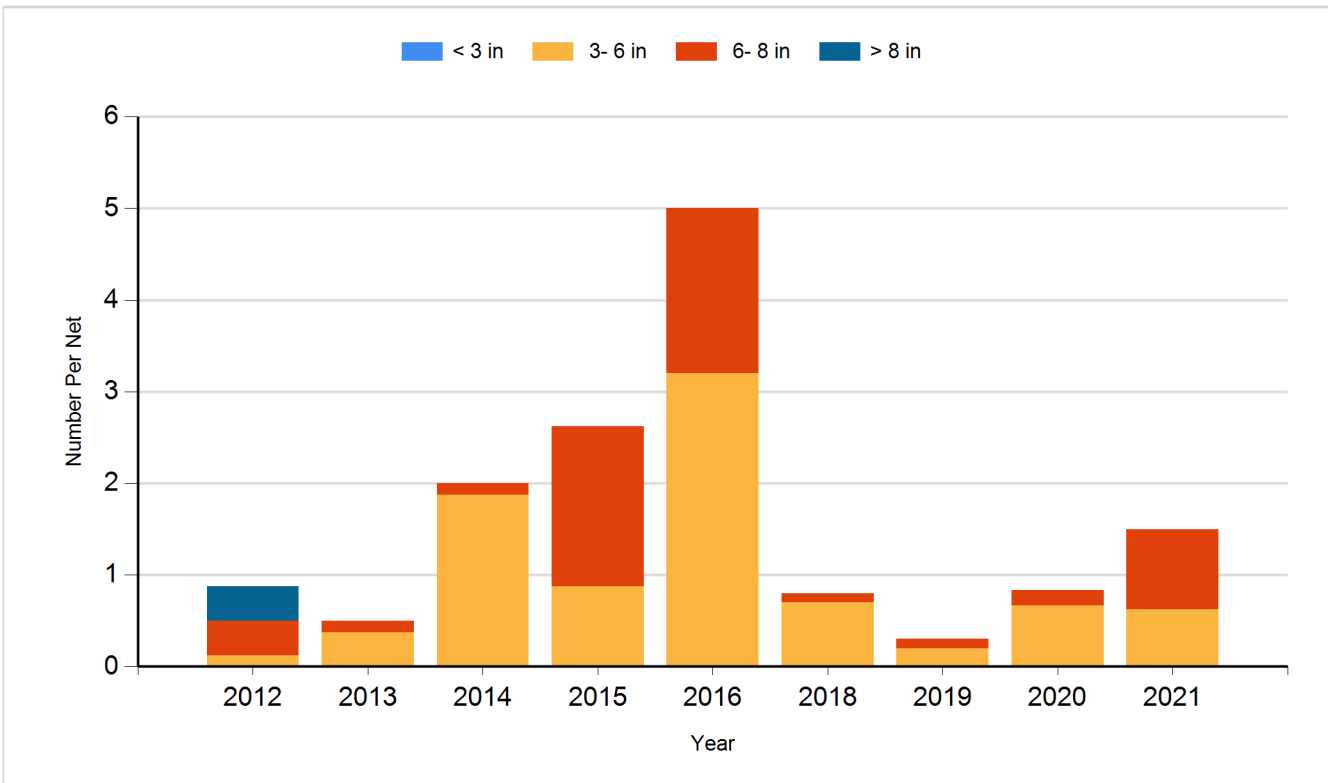
Species: Black Crappie  
Gear: frame net (std 3/4 in)



Species: Bluegill  
Gear: AFS std frame net

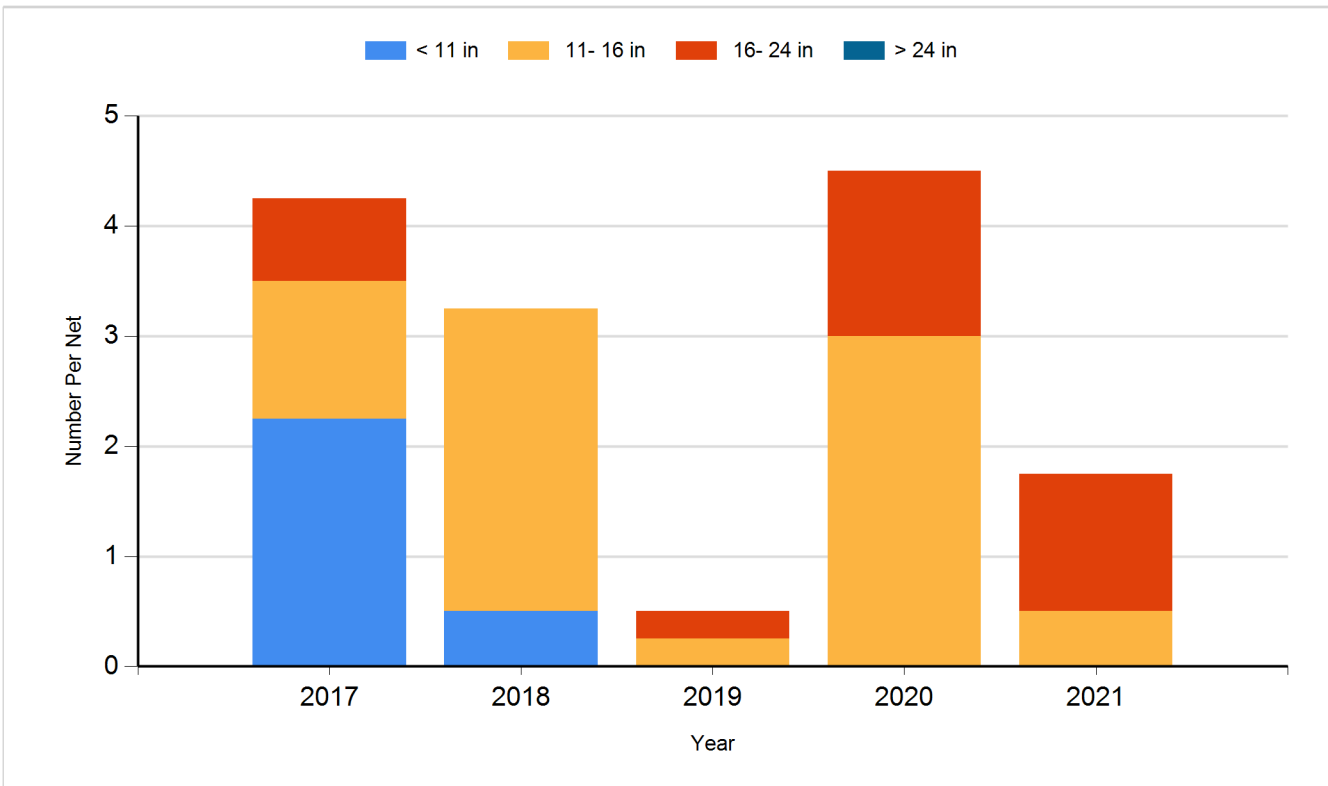


Species: Bluegill  
Gear: frame net (std 3/4 in)

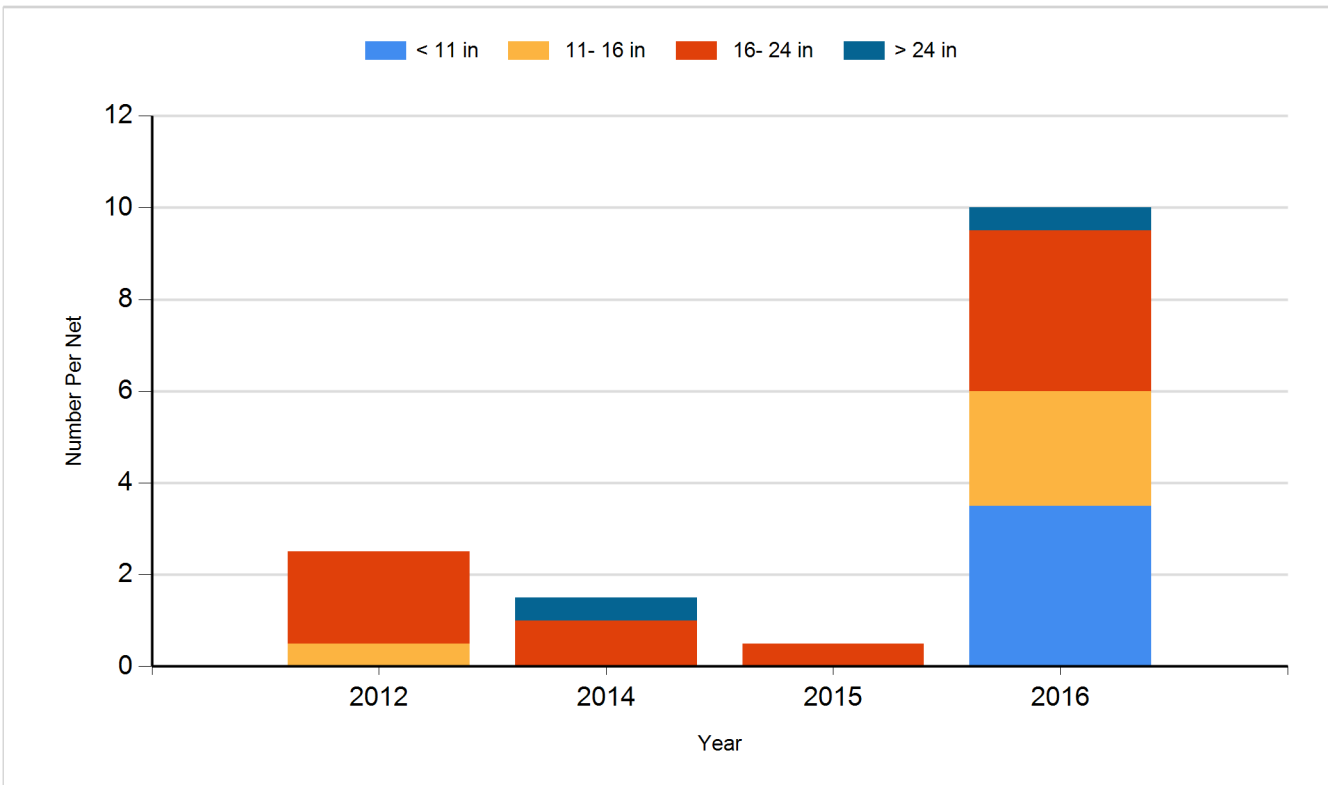




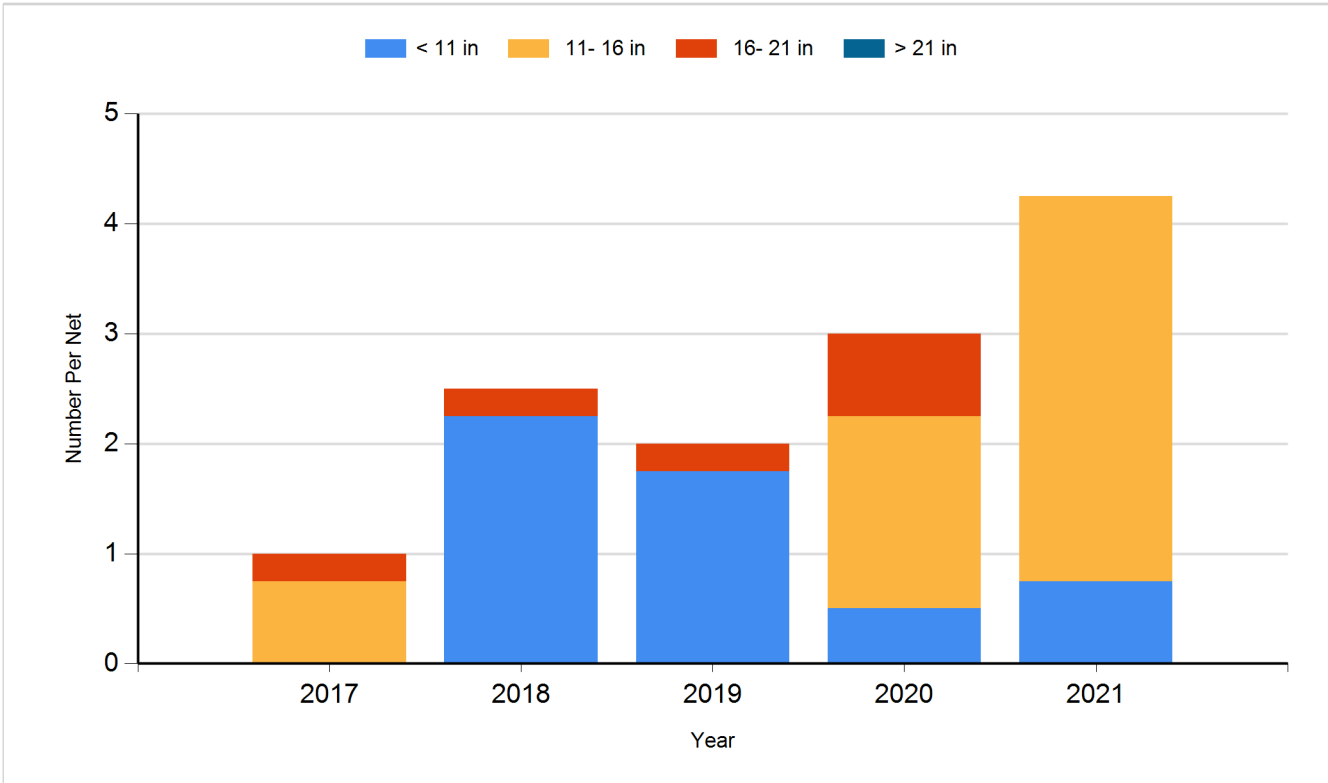
Species: Channel Catfish  
Gear: AFS std gill net



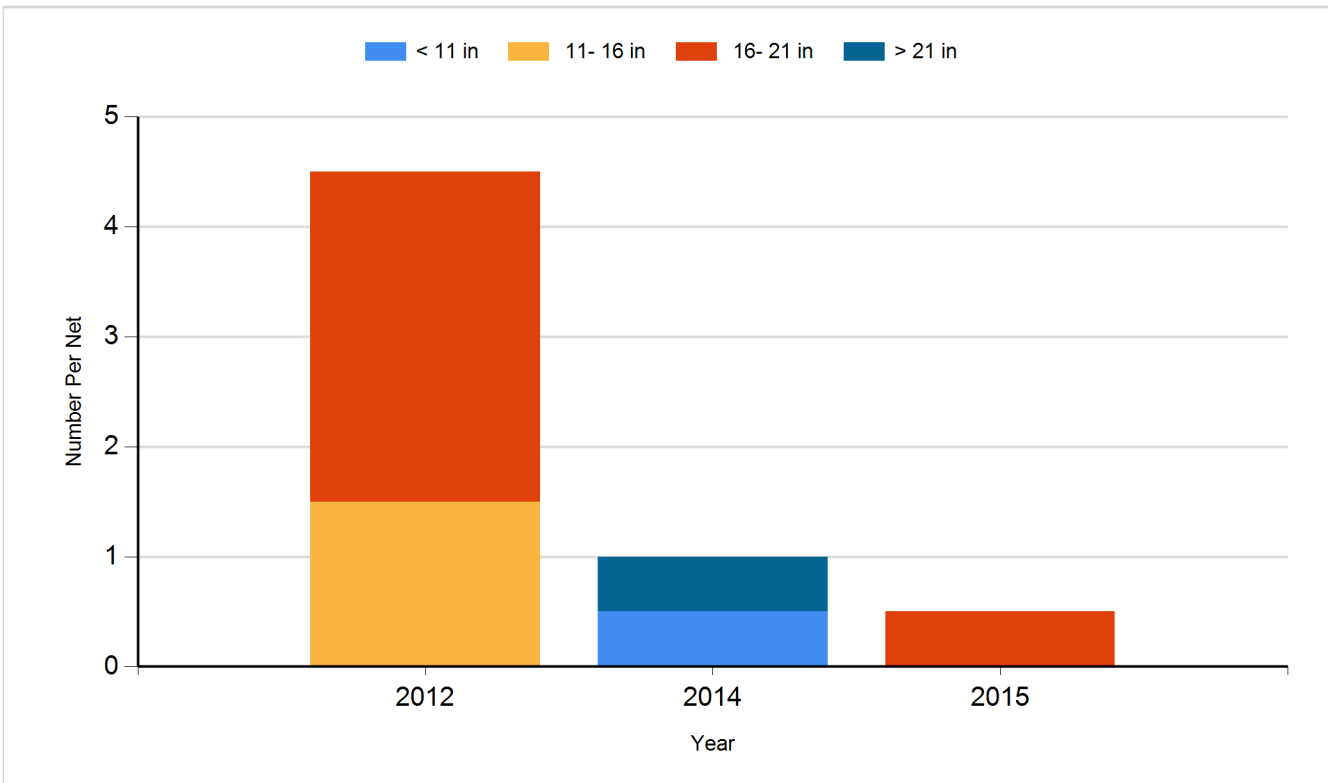
Species: Channel Catfish  
Gear: std exp gill net



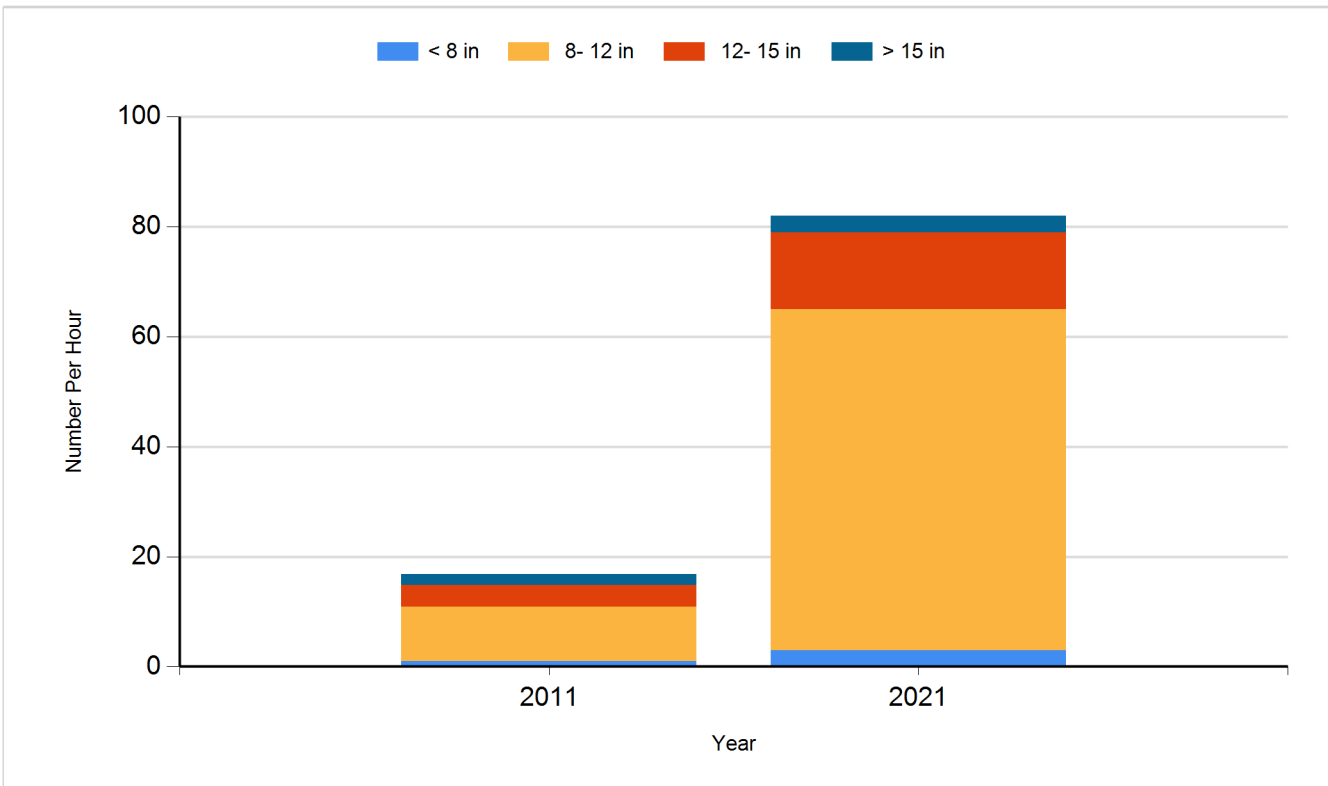
Species: Common Carp  
Gear: AFS std gill net



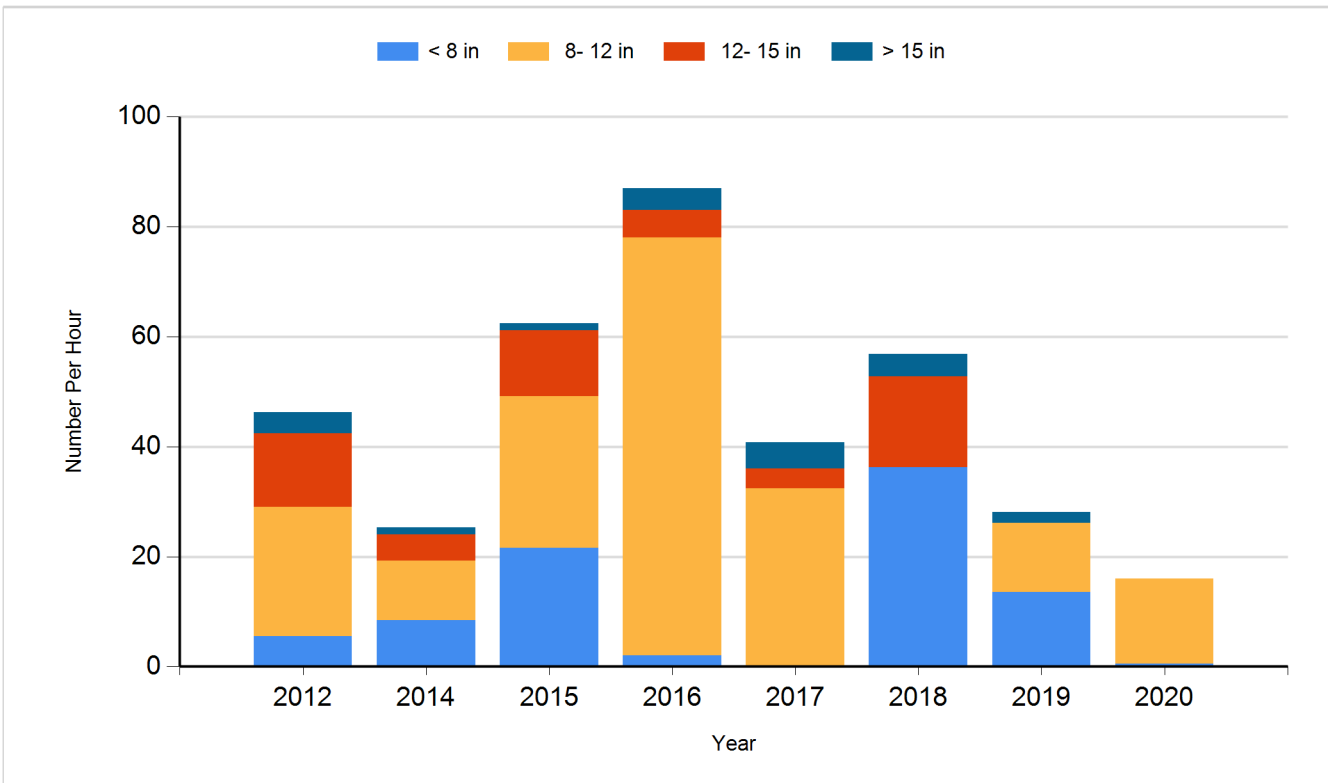
Species: Common Carp  
Gear: std exp gill net



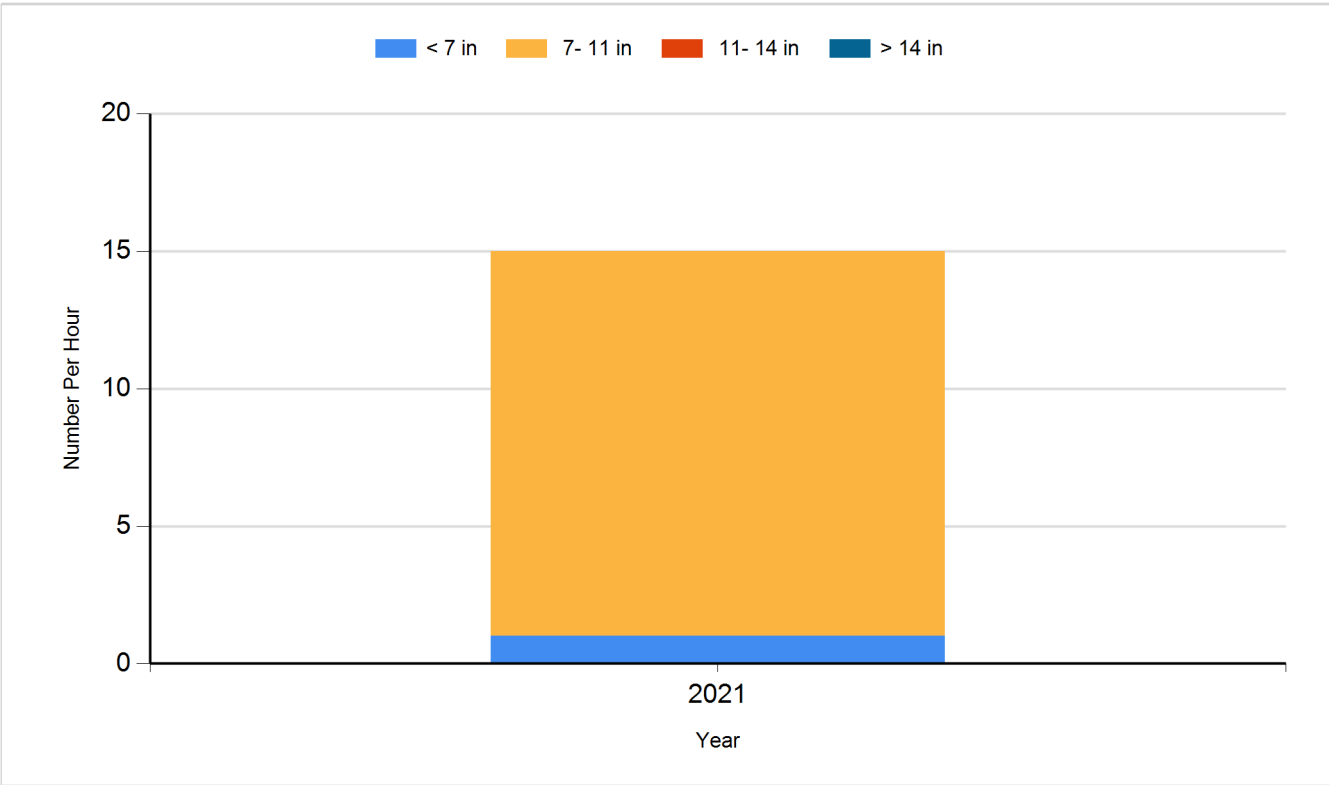
Species: Largemouth Bass  
Gear: boat shocker (day)



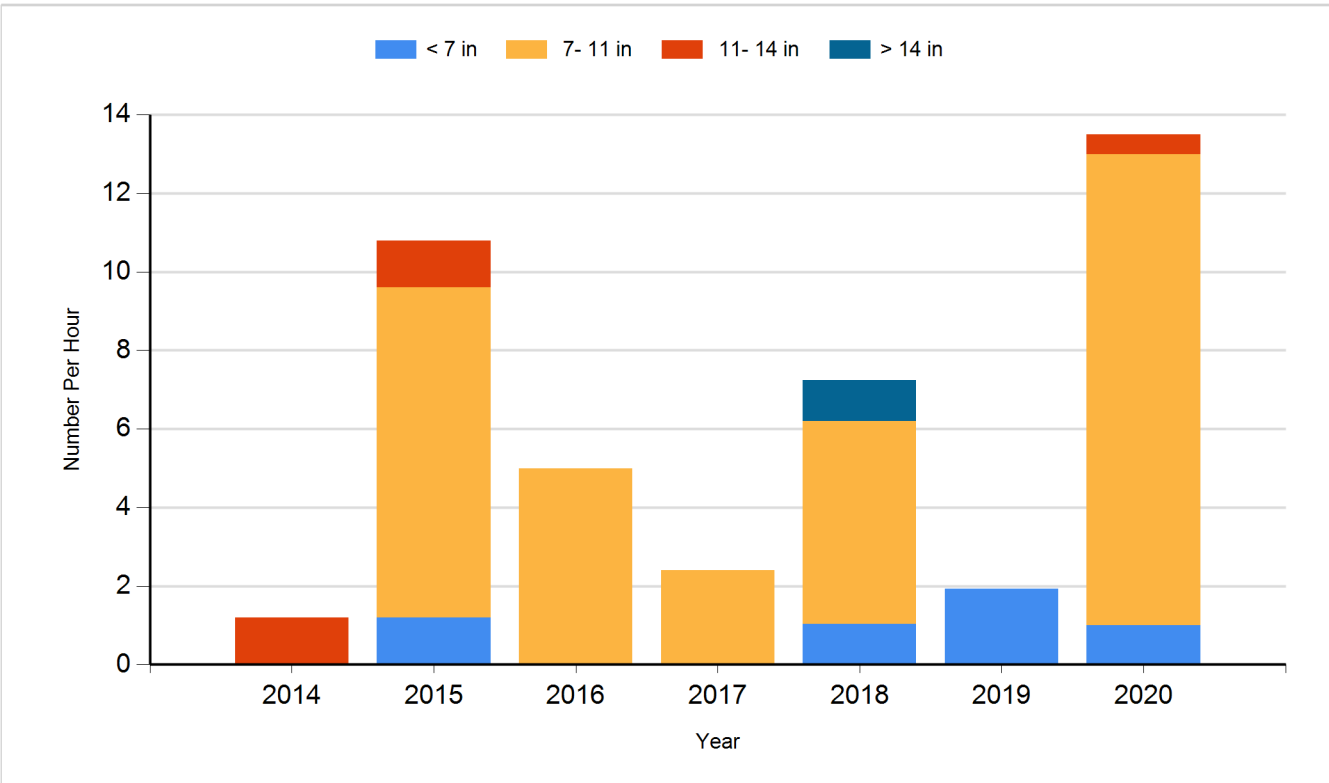
Species: Largemouth Bass  
Gear: boat shocker (night)



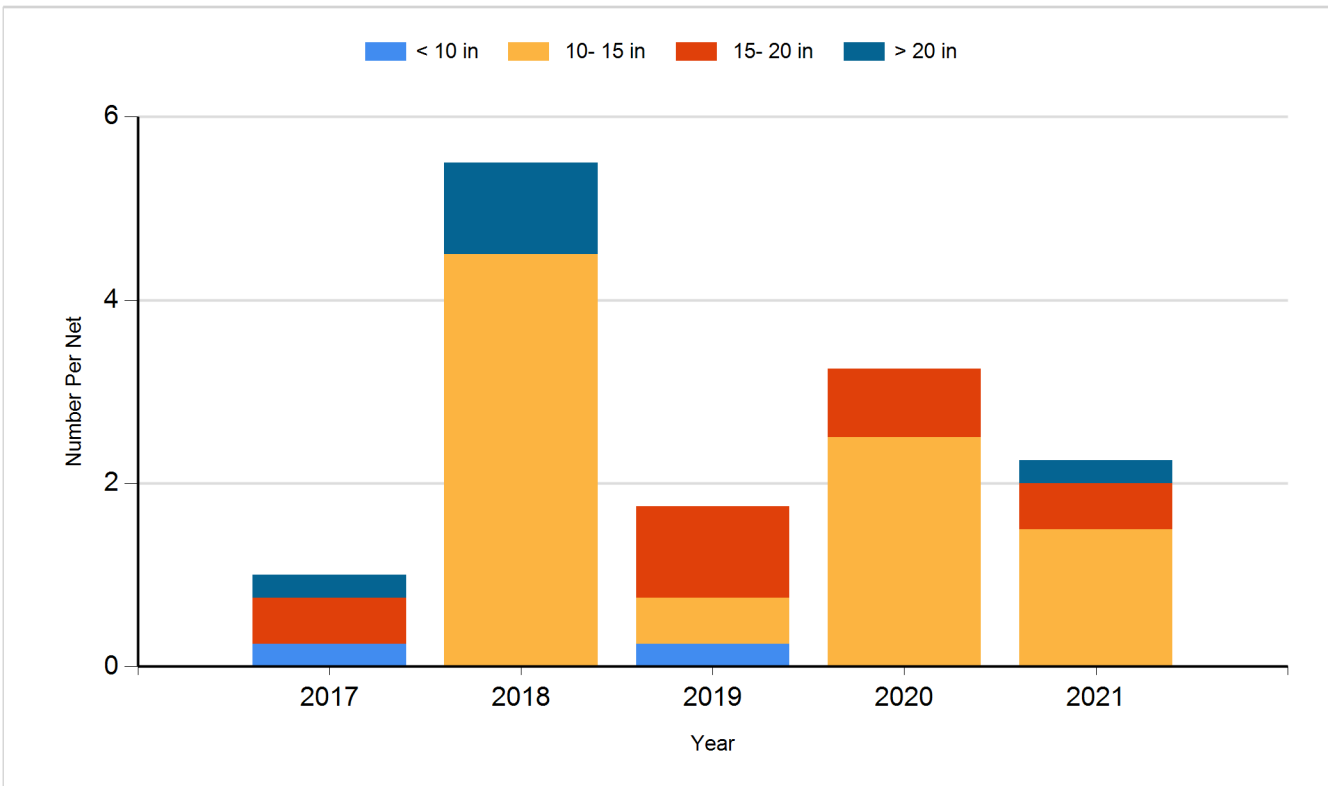
Species: Smallmouth Bass  
Gear: boat shocker (day)



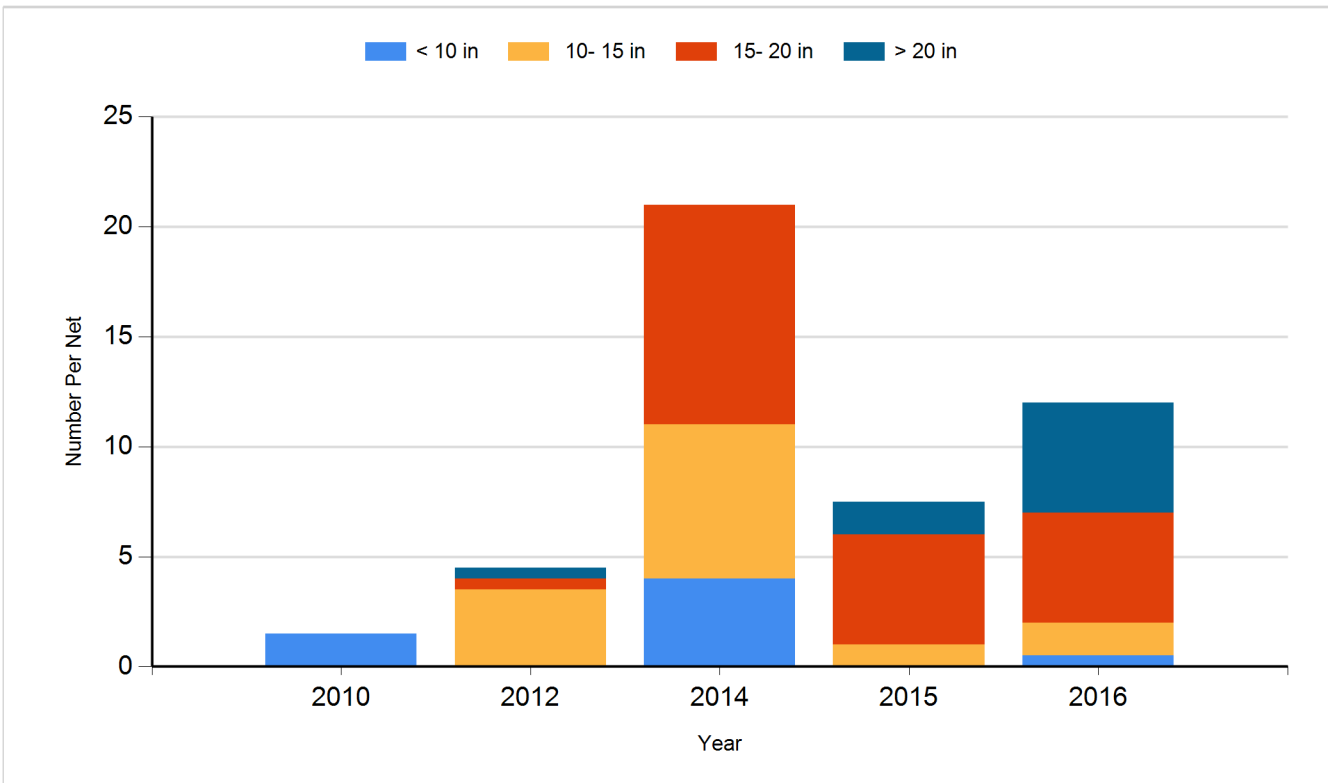
Species: Smallmouth Bass  
Gear: boat shocker (night)



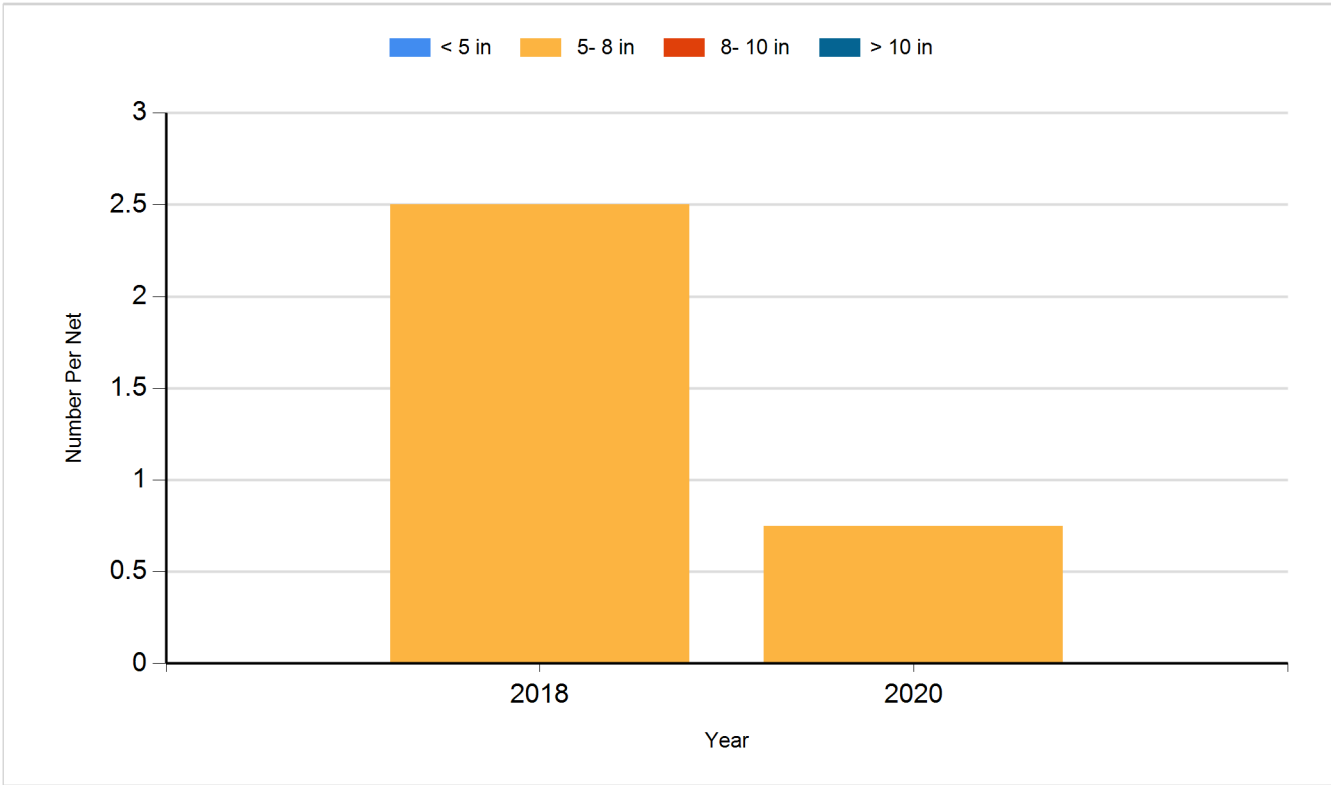
Species: Walleye  
Gear: AFS std gill net



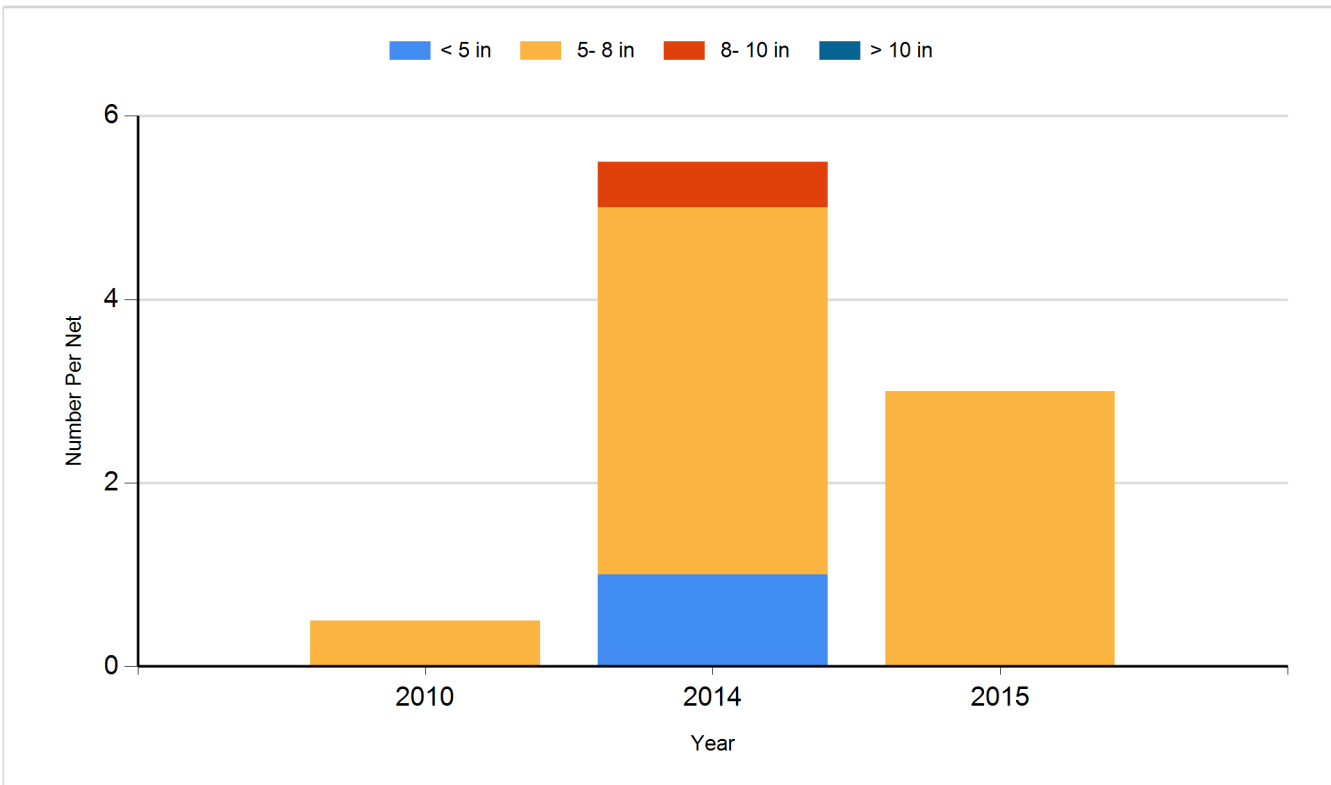
Species: Walleye  
Gear: std exp gill net



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
2010	Golden Shiner	Adult	250
2010	Largemouth Bass	Fingerling	8,420
2010	Walleye	Small Fingerling	14,000
2011	Channel Catfish	Adult	200
2011	Yellow Perch	Adult	1,398
2012	Gizzard Shad	Adult	54
2012	Largemouth Bass	Fingerling	13,320
2013	Gizzard Shad	Adult	35
2013	Walleye	Large Fingerling	4,000
2014	Channel Catfish	Adult	200
2014	Gizzard Shad	Adult	50
2014	Largemouth Bass	Juvenile	400
2014	Yellow Perch	Adult	650
2015	Gizzard Shad	Adult	13
2015	Smallmouth Bass	Adult	380
2015	Walleye	Fingerling	900
2016	Walleye	Fingerling	25,500
2017	Walleye	Small Fingerling	20,900
2018	Walleye	Small Fingerling	50,000
2019	Walleye	Small Fingerling	21,420
2021	Walleye	Small Fingerling	30,000