

**SOUTH DAKOTA STATEWIDE FISHERIES SURVEY**  
**Vermillion East, McCook County**  
**VER-Lake-62-800**  
**2018**

**Lake Information**

<b>Name:</b>	Vermillion East	<b>Maximum Depth:</b>	23 Feet
<b>County:</b>	McCook	<b>Mean Depth:</b>	12 Feet
<b>Legal Description:</b>	T102N-R53W-Sec. 14-15, 22-23, 26-27, 33-35		
<b>Surface Area:</b>	580 Acres		

**Surveys and Investigations**

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

Gear	Date	Effort
AFS std gill net	Jun 11, 2018	10 net-nights
frame net (std 3/4 in)	Jun 11, 2018	10 net-nights

## **Common Fish Species Present**

Walleye

White Sucker

White Bass

Common Carp

Freshwater Drum

Channel Catfish

Black Bullhead

Black Crappie

White Crappie

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.

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

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	1	0.1	0.1	100		100			
	Black Crappie	1	0.1	0.1	0		0		124	
	Channel Catfish	39	3.8	0.8	82	10	18	10	104	2
	Common Carp	5	0.5	0.3	60		20			
	Freshwater Drum	38	3.8	1.5	100		37	12		
	Northern Pike	3	0.3	0.2	100		0		90	7
	Walleye	23	0.7	0.4	86		14		80	2
	White Bass	65	6.5	1.5	78	8	62	9	91	1
	White Crappie	1	0.1	0.1	0		0		113	
	White Sucker	88	8.8	2.7	94	4	94	4		
frame net (std 3/4 in)	Yellow Perch	1	0.1	0.1	100		100		97	
	Bigmouth Buffalo	1	0.1	0.1	100		100			
	Black Bullhead	28	2.8	0.9	100		93			
	Black Crappie	15	1.5	1.8	100		60	21	106	2
	Bluegill	12	1.2	0.5	42	24	17		118	5
	Channel Catfish	5	0.5	0.4	80		0		100	7
	Common Carp	41	4.0	1.3	88		55	12		
	Freshwater Drum	4	0.4	0.2	100		75			
	Northern Pike	10	1.0	0.4	100		20		80	4
	Walleye	4	0.3	0.3	67		33		89	8
	White Bass	59	5.9	4.4	93		81	8	89	1
	White Crappie	13	1.2	0.8	50	25	42	24	110	6
	White Sucker	134	13.4	8.6	100		99			

## 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.

Gear	Species	CPUE										Avg	
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		
AFS std frame net	Black Bullhead										3.0		3.0
	Black Crappie										1.0		1.0
	Bluegill										1.3		1.3
	Channel Catfish										0.1		0.1
	Common Carp										1.6		1.6
	Freshwater Drum										0.2		0.2
	Green Sunfish										0.1		0.1
	Northern Pike										0.5		0.5
	Sunfish Hybrid										0.0		0.0
	Walleye										0.7		0.7
	White Bass										0.8		0.8
	White Crappie										0.0		0.0
White Sucker										6.9		6.9	
AFS std gill net	Black Bullhead										0.2	0.1	0.2
	Black Crappie										0.2	0.1	0.2
	Bluegill										0.1		0.1
	Channel Catfish										3.4	3.8	3.6
	Common Carp										1.6	0.5	1.1
	Freshwater Drum										5.7	3.8	4.8
	Northern Pike										0.6	0.3	0.5
	Walleye										1.1	0.7	0.9
	White Bass										2.6	6.5	4.6
	White Crappie										0.1	0.1	0.1
White Sucker										10.5	8.8	9.7	
Yellow Perch											0.1	0.1	
fall night EF-WAE	Walleye	163.8	102.0	51.5	59.0	149.5	1.2	82.5					87.1
frame net (std 3/4 in)	Bigmouth Buffalo							0.5	0.8			0.1	0.5
	Black Bullhead	374.1	35.9	77.9	152.4	64.0	23.4	50.1	12.8		2.8	88.2	
	Black Crappie	0.3	11.3	35.6	0.9	0.8	0.6	0.2	0.9		1.5	5.8	
	Bluegill	0.8	2.1	4.1	2.1	3.7	5.9	0.8	3.3		1.2	2.7	
	Channel Catfish	0.2	0.2	0.1	1.1	1.2	1.4	1.5	0.5		0.5	0.7	
	Common Carp	0.3	1.7	0.9	3.1	7.6	3.2	10.7	2.1		4.0	3.7	
	Freshwater Drum	0.1	0.6	0.5	0.4	0.2	0.2	1.2	0.1		0.4	0.4	
	Green Sunfish		0.1										0.1

		CPUE										
Gear	Species	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Avg
frame net (std 3/4 in)	Largemouth Bass			0.1	0.2			0.1	0.1			0.1
	Northern Pike	0.3	0.6	2.7	3.2	1.2	2.2	1.9	1.9		1.0	1.7
	Orangespotted Sunfish		0.0									0.0
	Walleye	1.7	1.5	1.1	0.3	0.4	1.9	0.7	0.5		0.3	0.9
	White Bass			0.3	0.1	0.3	0.9	3.8	2.1		5.9	1.9
	White Crappie	0.1	0.1	4.1	1.1	0.3	0.1	0.6	1.1		1.2	1.0
	White Sucker	5.2	4.4	5.2	2.0	0.6	1.9	11.7	2.9		13.4	5.3
	Yellow Perch	0.1	1.5	1.9			0.1					
std exp gill net	Bigmouth Buffalo							0.0				0.0
	Black Bullhead	129.3	59.0	51.0	164.7	20.3	8.2	1.8				62.0
	Black Crappie	0.3	2.0	2.0	2.3	0.3	0.3					1.2
	Bluegill					0.3		0.8				0.6
	Channel Catfish	5.5	0.3	0.3	2.3	0.3	1.5	2.8	1.8			1.9
	Common Carp	0.8	0.3	1.0	3.3	1.8	1.0		1.3			1.4
	Freshwater Drum		0.5	0.5	1.7	4.3	1.2	5.3	5.2			2.7
	Northern Pike	0.3	1.0	3.5	3.7	4.0	3.7	1.8	2.7			2.6
	Orangespotted Sunfish	0.0	0.0									0.0
	Walleye	7.0	6.3	4.5	13.3	8.0	3.3	5.5	3.7			6.5
	White Bass					1.0	5.0	6.5	9.0			5.4
	White Crappie		2.0					0.5				1.3
	White Sucker	10.0	18.5	19.8	3.3	9.0	8.7	8.5	12.5			11.3
	Yellow Perch	2.8	4.3	12.0	1.7	3.0	1.3	1.3	1.2			3.5

## 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										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
AFS std frame net	Black Bullhead	PSD											97
		PSD-P											80
		Wr											105
	Black Crappie	PSD											60
		PSD-P											20
		Wr											105
	Bluegill	PSD											77
		PSD-P											0
		Wr											121
	Channel Catfish	PSD											100
		PSD-P											0
		Wr											101
	Common Carp	PSD											88
		PSD-P											75
		Wr											101
	Walleye	PSD											71
		PSD-P											29
		Wr											77
	White Bass	PSD											88
		PSD-P											75
Wr												92	
White Crappie	PSD											0	
	PSD-P											0	
White Sucker	PSD											100	
	PSD-P											100	
AFS std gill net	Black Bullhead	PSD										100	100
		PSD-P										50	100
	Black Crappie	PSD										50	0
		PSD-P										0	0
		Wr										113	124
	Bluegill	PSD										100	
		PSD-P										100	
		Wr										119	
	Channel Catfish	PSD										79	82
		PSD-P										3	18



Gear	Species	Index	Year										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
AFS std gill net	Channel Catfish	Wr										109	104
		PSD										50	60
	Common Carp	PSD-P										31	20
		PSD										64	86
	Walleye	PSD-P										27	14
		Wr										95	80
	White Bass	PSD										69	78
		PSD-P										62	62
	White Crappie	Wr										95	91
		PSD										100	0
	White Sucker	PSD-P										100	0
		Wr										104	113
		PSD										100	94
		PSD-P										99	94
	fall night EF-WAE	Walleye	Wr	95	83	88	84	93	83	81			
frame net (std 3/4 in)	Black Bullhead	PSD	8	33	33	5	93	92	99	99			100
		PSD-P	0	1	3	0	0	0	50	70			93
		Wr	88	90	83	90	92						
	Black Crappie	PSD	33	47	41	89	100	33	100	89			100
		PSD-P	0	3	5	11	29	33	0	22			60
		Wr	126	111	109	101	110	106	119	101			106
	Bluegill	PSD	75	57	93	100	100	53	88	85			42
		PSD-P	75	10	17	57	79	42	50	42			17
		Wr	117	116	109	102	119	122	118	116			118
	Channel Catfish	PSD	50	100	100	82	27	79	80	20			80
		PSD-P	0	0	100	27	9	0	40	0			0
		Wr	108	103	100	79	103	90	103	99			100
	Common Carp	PSD	100	65	22	42	94	94	98	76			88
		PSD-P	100	41	0	26	40	53	67	52			55
		Wr	98	95	97	82	98						
	Walleye	PSD	35	73	27	33	50	100	71	80			67
		PSD-P	6	13	0	33	50	37	29	20			33
		Wr	88	83	82	73	92	87	83	81			89
White Bass	PSD			67	100	67	11	82	71			93	
	PSD-P			0	100	33	11	58	52			81	
	Wr			92	75	100	90	93	94			89	

Gear	Species	Index	Year									
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
frame net (std 3/4 in)	White Crappie	PSD	100	0	51	82	100	100	67	64		50
		PSD-P	100	0	20	36	100	0	50	9		42
		Wr	101	217	105	94	100	107	100	102		110
	White Sucker	PSD	100	100	100	100	80	100	98	100		100
		PSD-P	92	98	98	90	80	100	96	83		99
		Wr	101	112	90	82	98					
std exp gill net	Black Bullhead	PSD	1	53	0	0	96	100	86			
		PSD-P	0	0	0	0	0	2	29			
		Wr	103	94	100	96	101					
	Black Crappie	PSD	0	38	0	100	100	50				
		PSD-P	0	0	0	43	100	50				
		Wr	121	121	122	107	125	101				
	Bluegill	PSD					100		67			
		PSD-P					100		0			
		Wr					103		119			
	Channel Catfish	PSD	91	100	100	100	100	100	73	82		
		PSD-P	0	0	100	43	100	11	36	45		
		Wr	113	92	117	94	114	105	112	108		
	Common Carp	PSD	100	100	25	0	71	100		100		
		PSD-P	67	0	25	0	0	50		75		
		Wr	95	98	95	93	100					
	Walleye	PSD	21	40	33	43	22	85	9	36		
		PSD-P	4	0	11	8	3	20	5	5		
		Wr	95	85	85	82	90	88	83	81		
	White Bass	PSD					100	20	42	65		
		PSD-P					25	10	27	41		
		Wr					97	94	92	93		
	White Crappie	PSD		13					0			
		PSD-P		0					0			
		Wr		123					98			
White Sucker	PSD	100	93	99	100	100	92	100	100			
	PSD-P	98	82	34	100	94	90	65	87			
	Wr	111	105	95	88	108						

## 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+
2018	15		224 (1)	246 (2)	260 (10)	290 (2)					
2013	7		214 (3)	254 (4)							
2012	9	142 (1)	226 (4)	236 (3)	272 (1)						
2011	354	160 (173)	201 (143)	238 (13)	254 (11)	248 (14)					

Species: Bluegill

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2018	12	88 (1)	133 (7)	200 (3)			249 (1)				
2013	33		162 (3)	184 (2)	208 (8)	216 (7)	217 (12)				
2012	21			196 (8)	204 (11)	215 (1)		238 (1)			
2011	41	111 (1)	166 (11)	183 (9)	187 (13)	192 (6)		233 (1)			
2010	19	111 (7)		166 (3)	171 (7)		240 (2)				

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2018	23	231 (16)	328 (1)	402 (2)	414 (2)	429 (1)			588 (1)		
2016	28	214 (8)	316 (13)	419 (2)			466 (4)	434 (1)			
2015	30	227 (14)	310 (14)		394 (1)					646 (1)	
2014	22	248 (3)		373 (2)	404 (10)	461 (4)			594 (1)	485 (1)	576 (1)
2013	32		304 (6)	347 (22)	466 (4)						
2012	41	269 (1)	320 (17)	391 (15)	449 (3)	497 (3)	587 (2)				
2011	29	195 (11)	334 (13)	397 (2)		466 (2)					550 (1)
2010	39	254 (28)		409 (3)	437 (8)						
2009	28		292 (4)	350 (23)	555 (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).

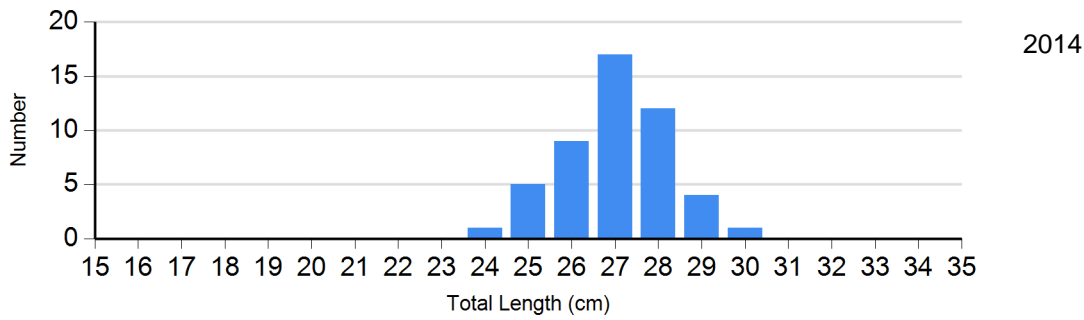
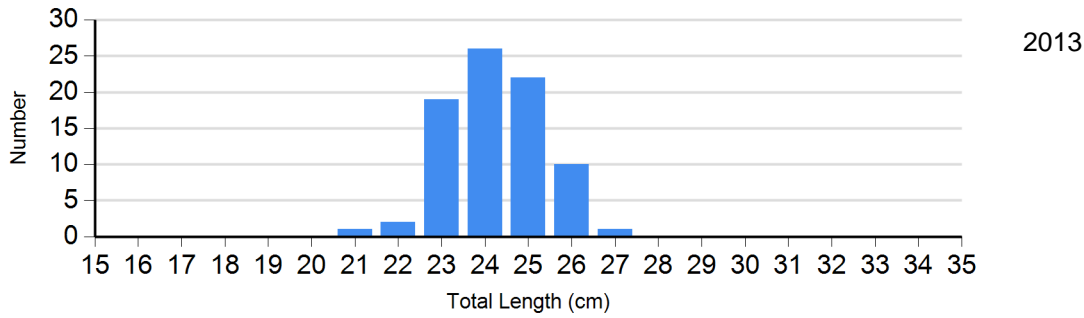
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Crappie Frame Net	2014	4	119 (2.8)	0		2	87 (3.9)	0	
	2015	0		2	119 (0.9)	0		0	
	2016	1	100	6	103 (2.8)	2	96 (4.1)	0	
	2017	4	114 (4.6)	4	100 (1.8)	2	98 (0.4)	0	
	2018	0		6	111 (3.1)	9	103 (1.8)	0	
Bluegill Frame Net	2014	28	133 (3.5)	6	112 (3.9)	25	112 (1.9)	0	
	2015	1	128	3	121 (5.4)	4	114 (4.4)	0	
	2016	5	115 (8.8)	14	117 (1.9)	14	115 (3.4)	0	
	2017	3	119 (6.2)	10	122 (2.1)	0		0	
	2018	7	117 (7.0)	3	119 (3.0)	2	124 (8.6)	0	
Channel Catfish Gill Net	2014	0		8	106 (3.2)	0		1	95
	2015	3	113 (3.5)	4	105 (3.7)	2	120 (3.9)	2	113 (11.7)
	2016	2	112 (5.0)	4	110 (1.1)	5	104 (5.9)	0	
	2017	7	103 (2.4)	26	110 (5.5)	1	109	0	
	2018	7	100 (2.4)	24	103 (1.8)	7	114 (4.5)	0	
Walleye Gill Net	2014	3	82 (2.2)	13	87 (2.1)	4	96 (4.9)	0	
	2015	20	84 (1.2)	1	80	0		1	69
	2016	14	82 (1.7)	7	81 (1.5)	1	79	0	
	2017	4	112 (24.5)	4	84 (4.6)	1	85	2	89 (4.1)
	2018	1	88	5	80 (1.7)	1	76	0	
White Bass Gill Net	2018	14	97 (1.4)	11	93 (1.7)	39	87 (0.5)	1	83
White Bass Gill Net	2014	24	93 (1.2)	3	95 (4.4)	3	95 (2.6)	0	

Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
White Bass Gill Net	2015	15	92 (1.7)	4	93 (4.3)	7	90 (1.7)	0	
	2016	19	94 (1.3)	13	96 (1.1)	21	92 (1.1)	1	88
	2017	8	99 (1.9)	2	93 (0.4)	16	93 (1.2)	0	
White Crappie Frame Net	2014	0		1	107	0		0	
	2015	2	106 (0.4)	1	93	2	102 (0.5)	1	92
	2016	4	104 (6.7)	6	103 (1.4)	1	86	0	
	2017	0		0		0		0	
	2018	6	122 (3.4)	1	107	4	97 (4.0)	1	93

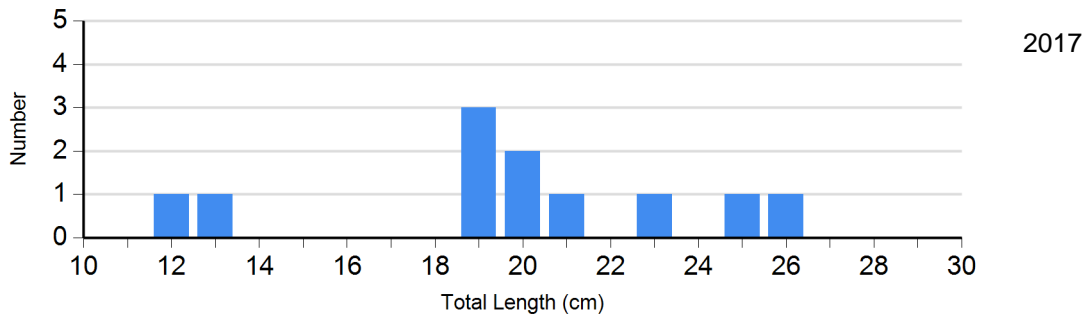
## Length Frequency Distribution

Length frequency histogram of species sampled by year.

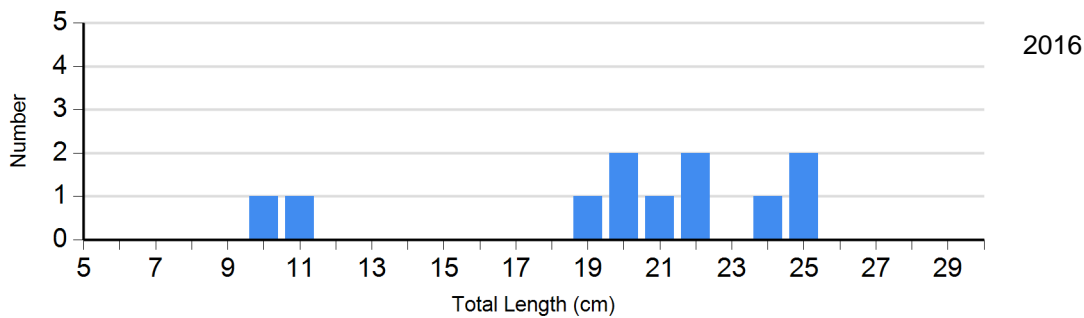
Species: Black Bullhead  
Gear: std exp gill net

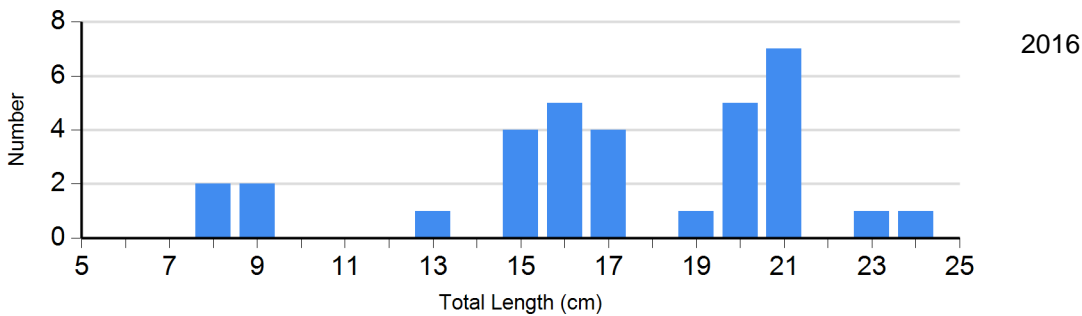
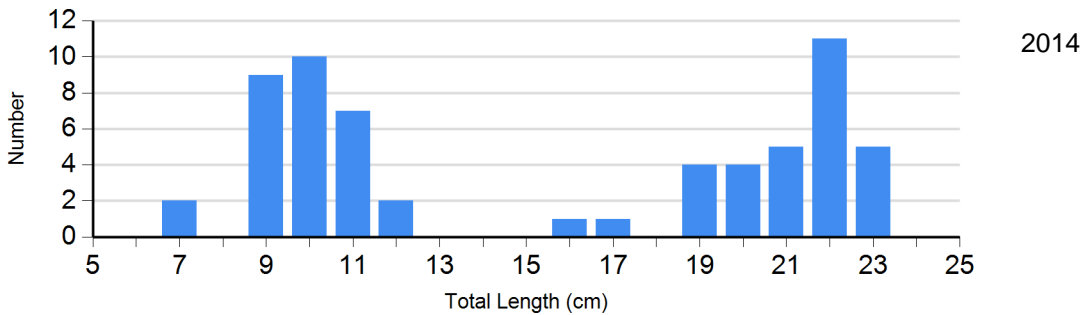
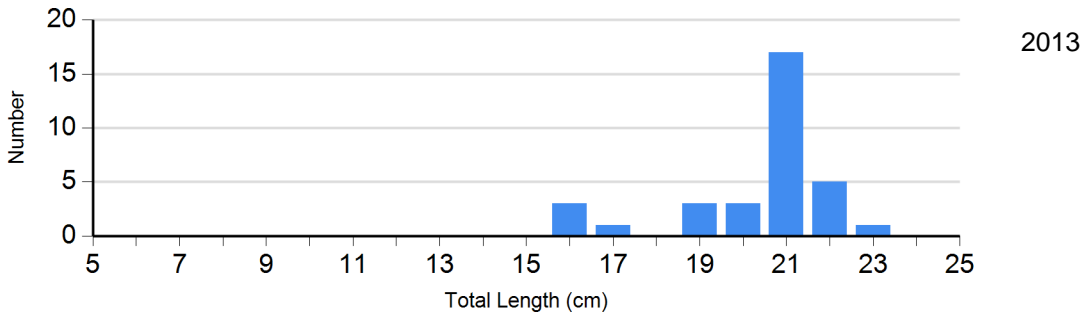
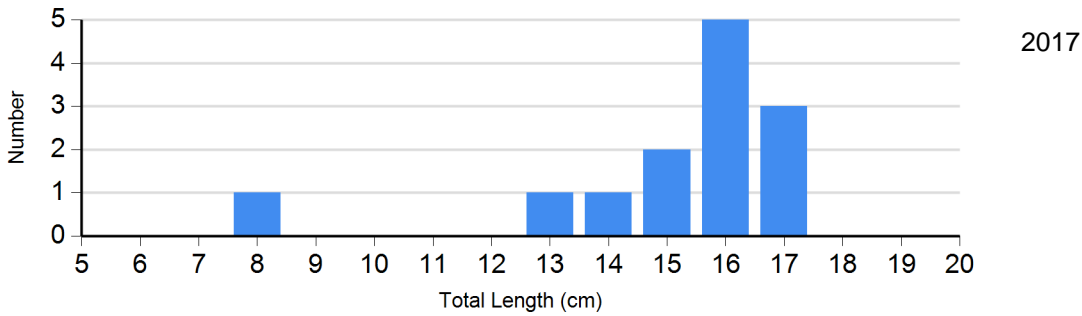
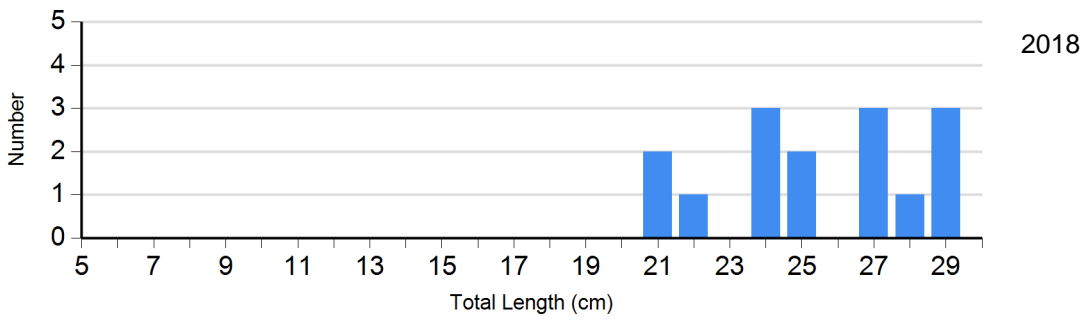


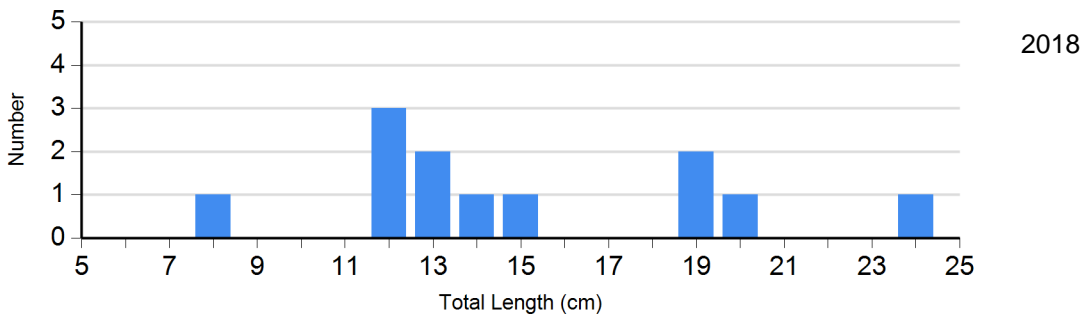
Species: Black Crappie  
Gear: AFS std frame net



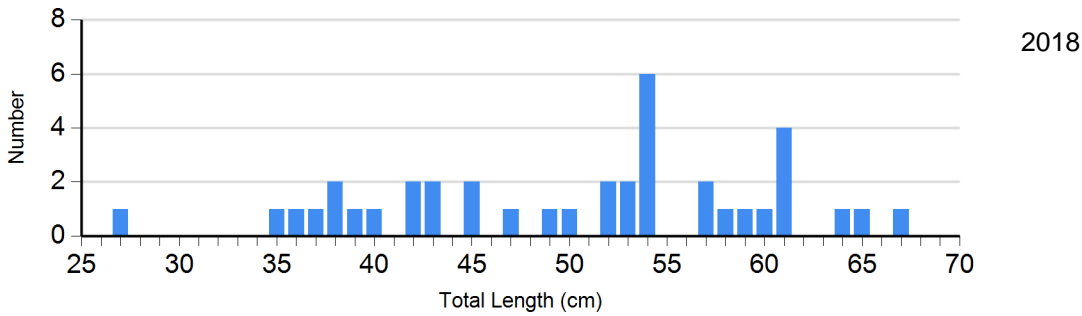
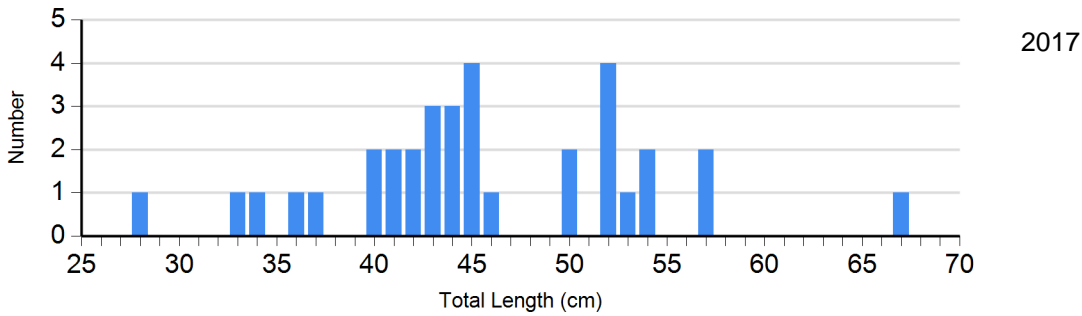
Species: Black Crappie  
Gear: frame net (std 3/4 in)



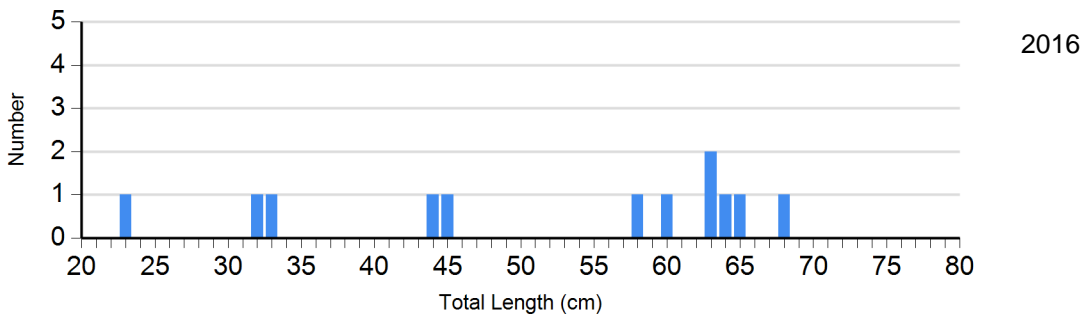
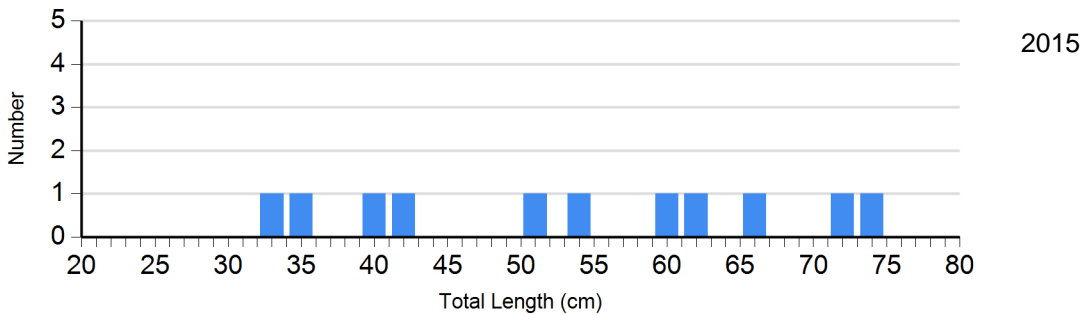




Species: Channel Catfish  
Gear: AFS std gill net

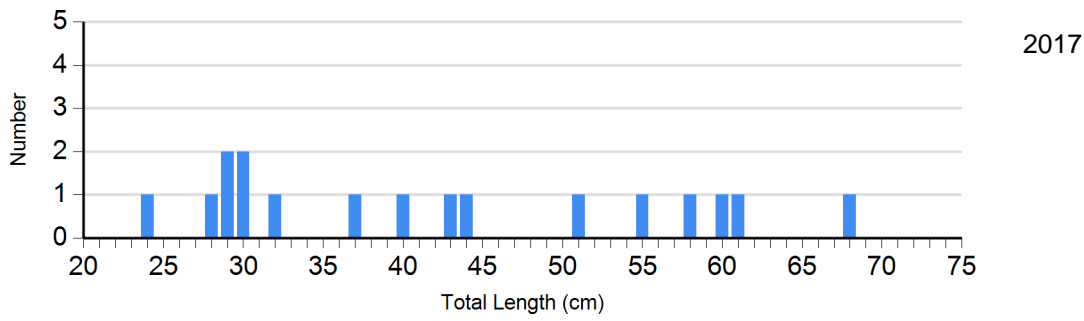


Species: Channel Catfish  
Gear: std exp gill net

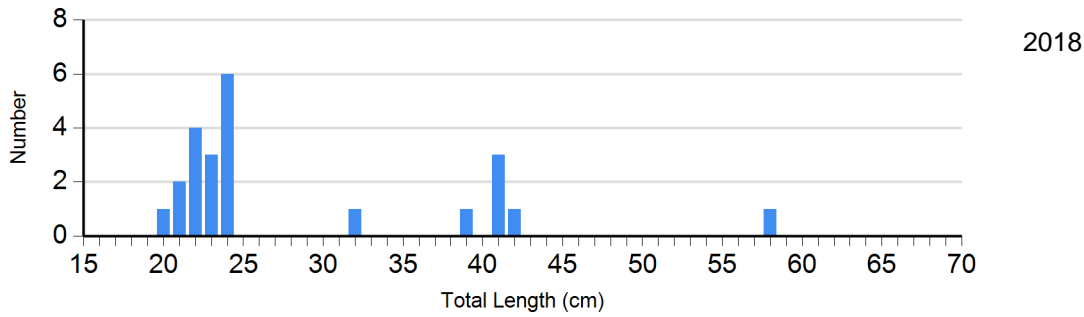
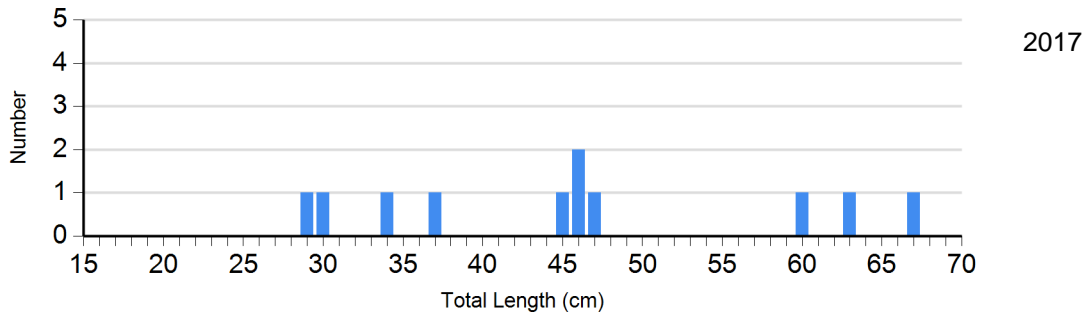




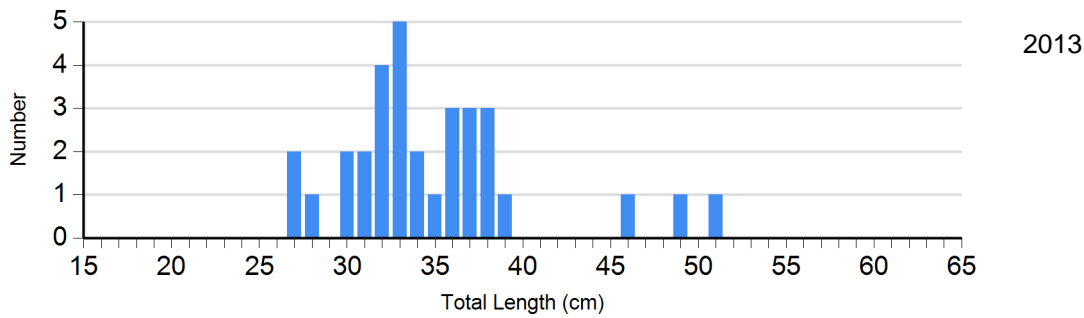
Species: Common Carp  
Gear: AFS std gill net

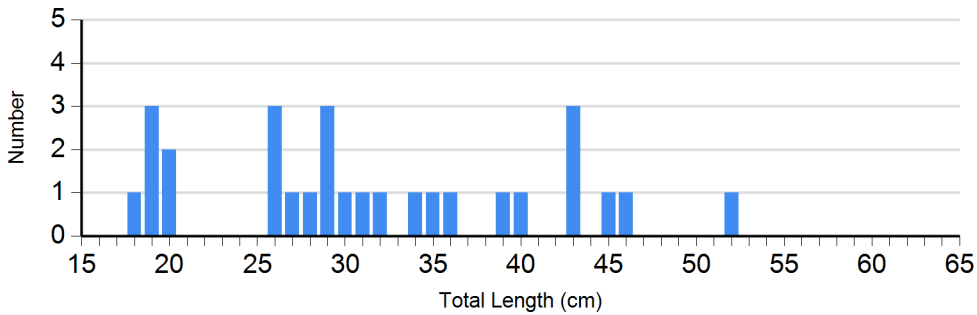
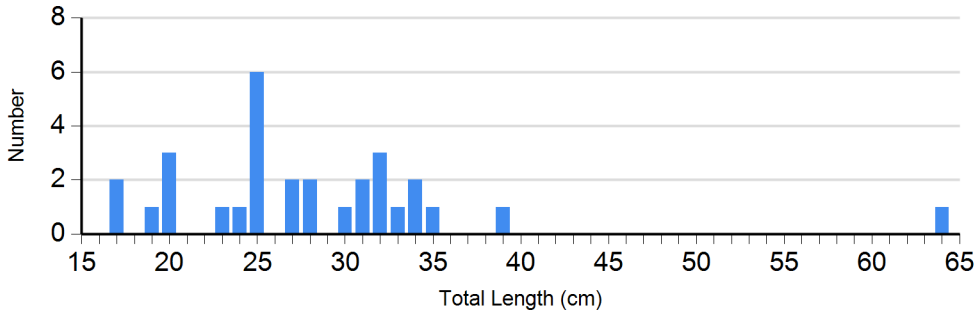
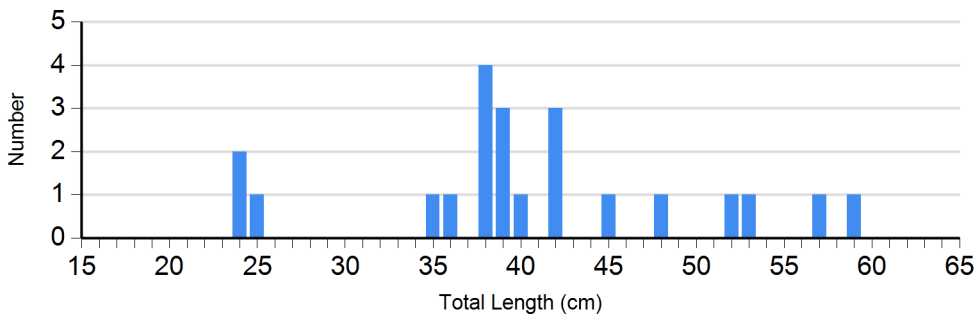


Species: Walleye  
Gear: AFS std gill net

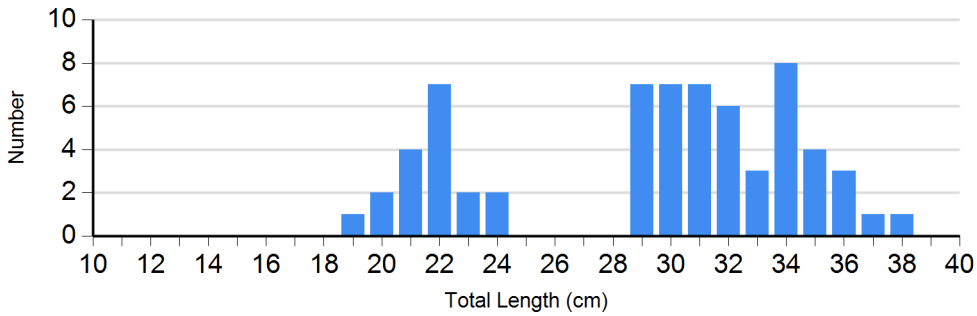


Species: Walleye  
Gear: std exp gill net

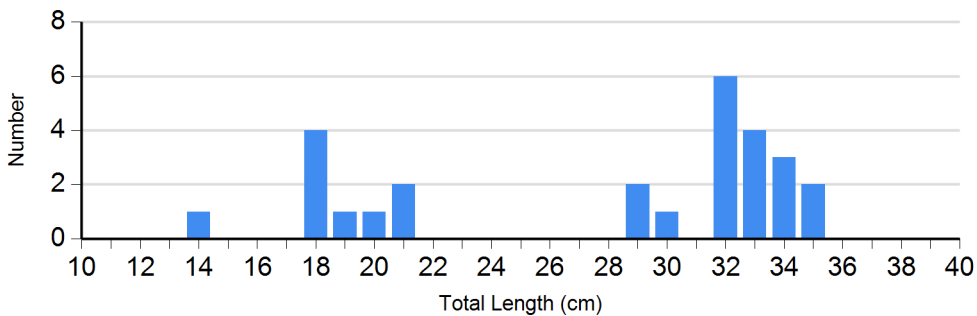




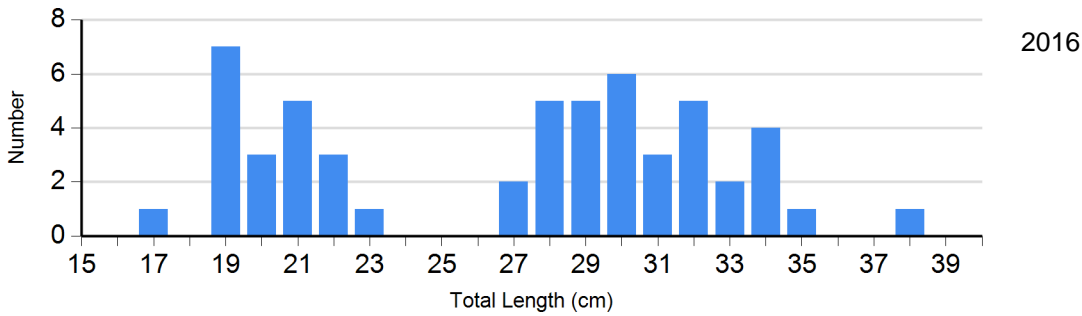
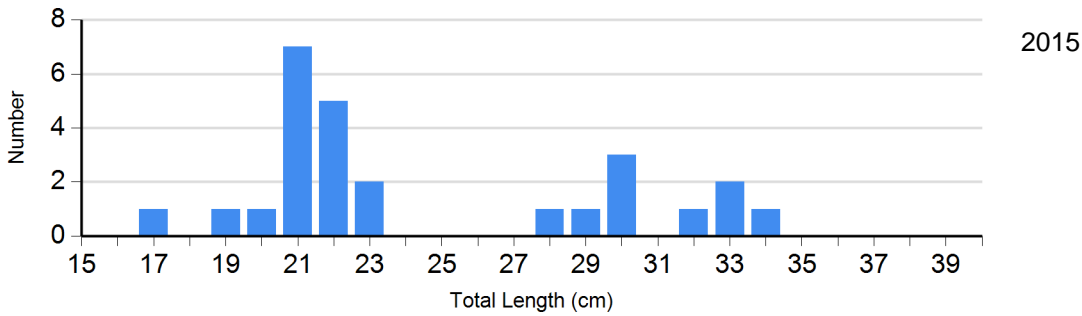
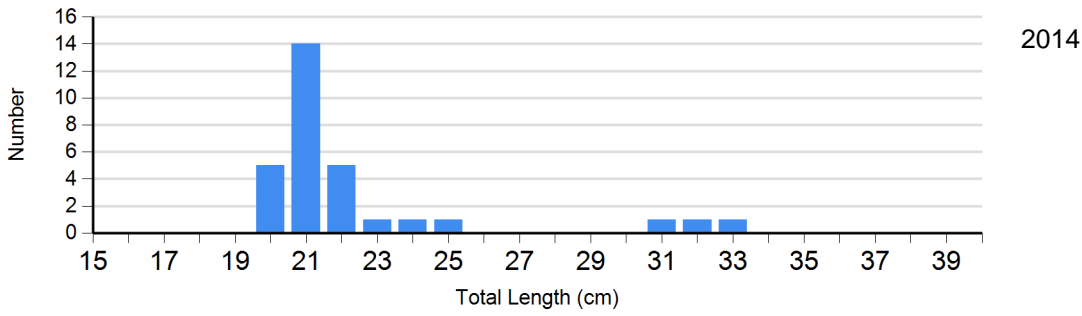
Species: White Bass  
Gear: AFS std gill net



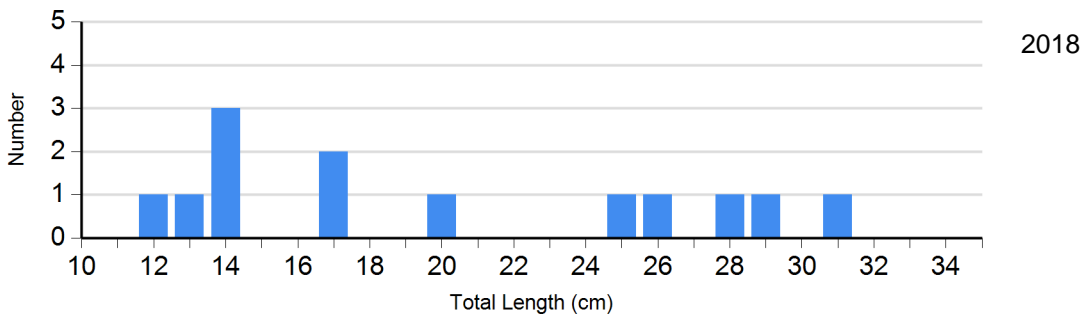
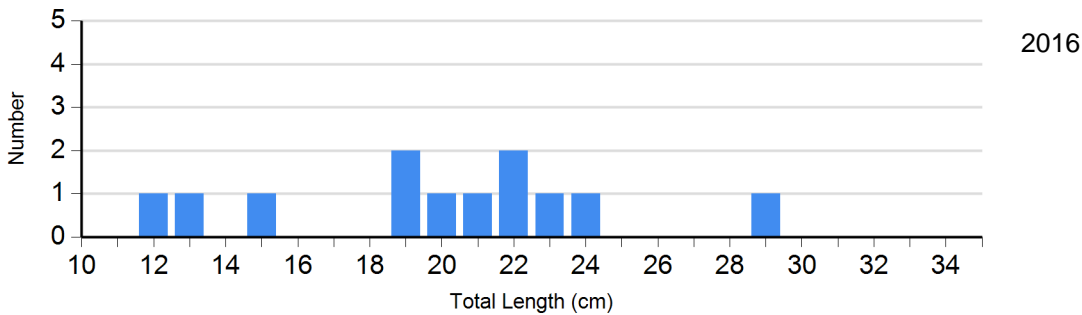
Species: White Bass  
Gear: AFS std gill net



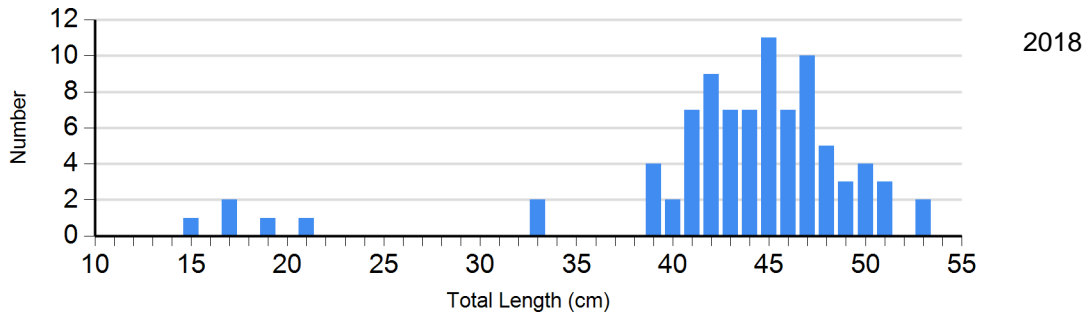
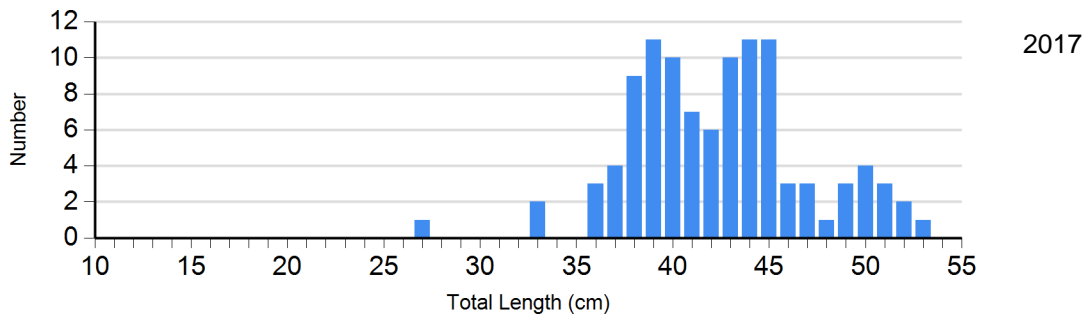
Species: White Bass  
Gear: std exp gill net



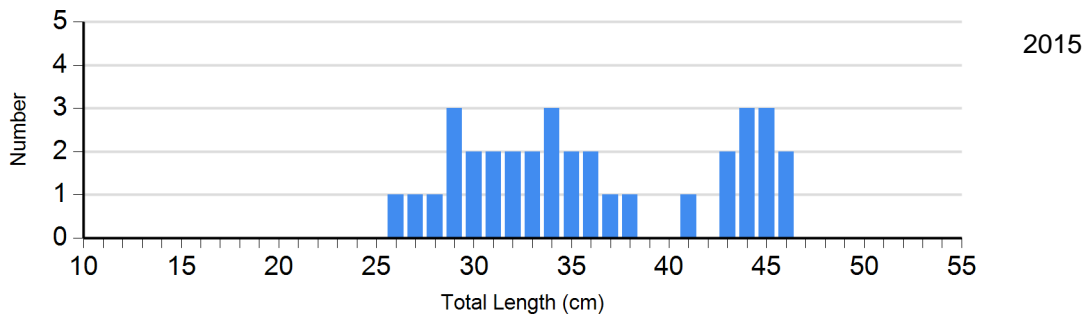
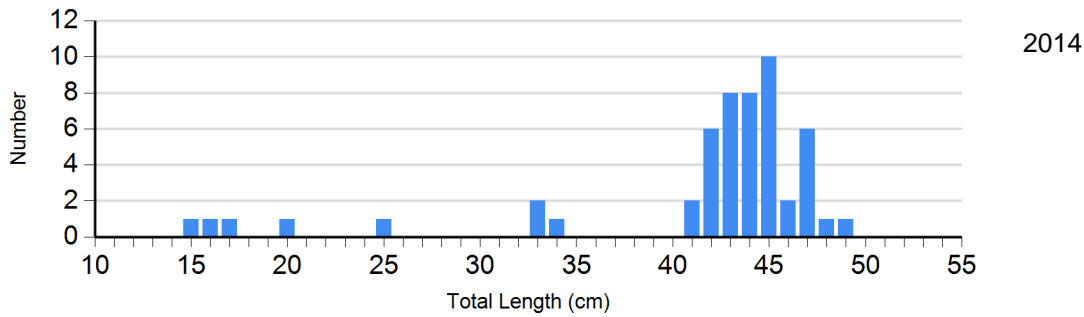
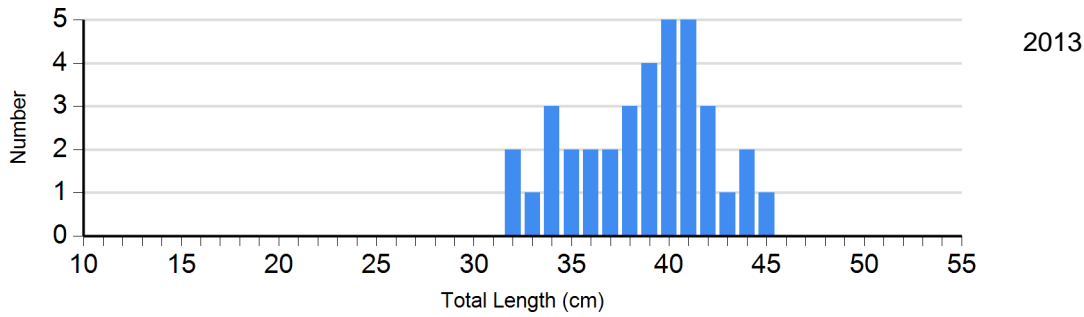
Species: White Crappie  
Gear: frame net (std 3/4 in)

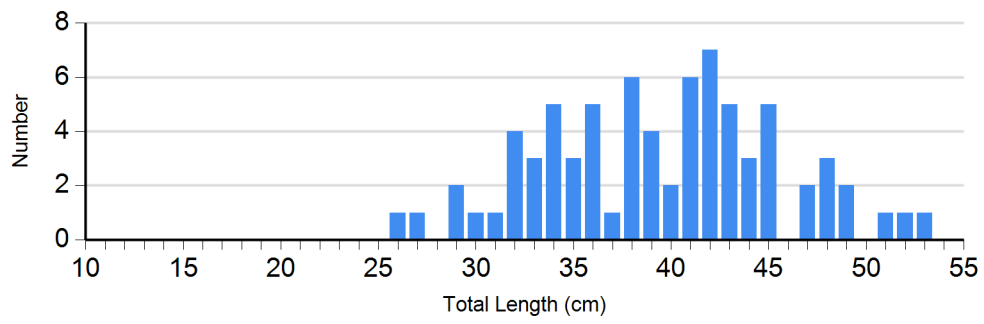


Species: White Sucker  
Gear: AFS std gill net



Species: White Sucker  
Gear: std exp gill net



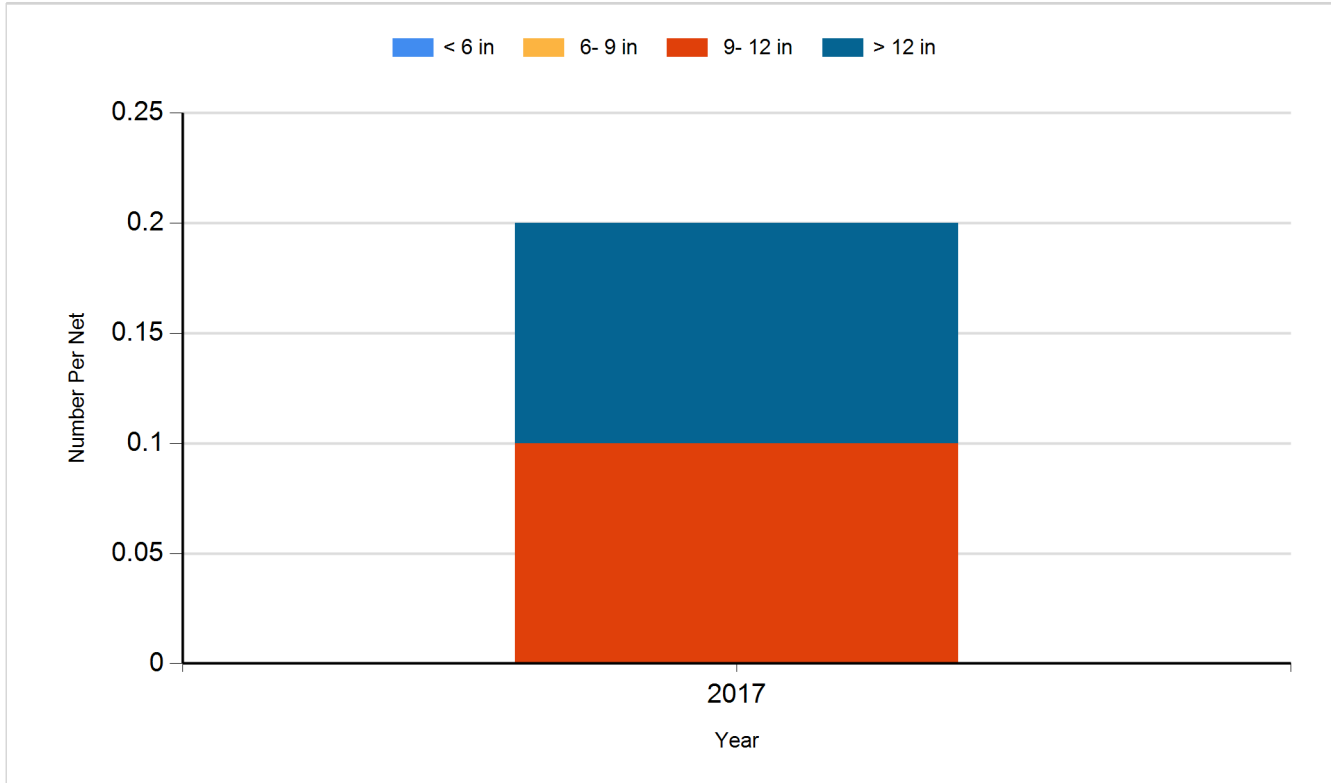


2016

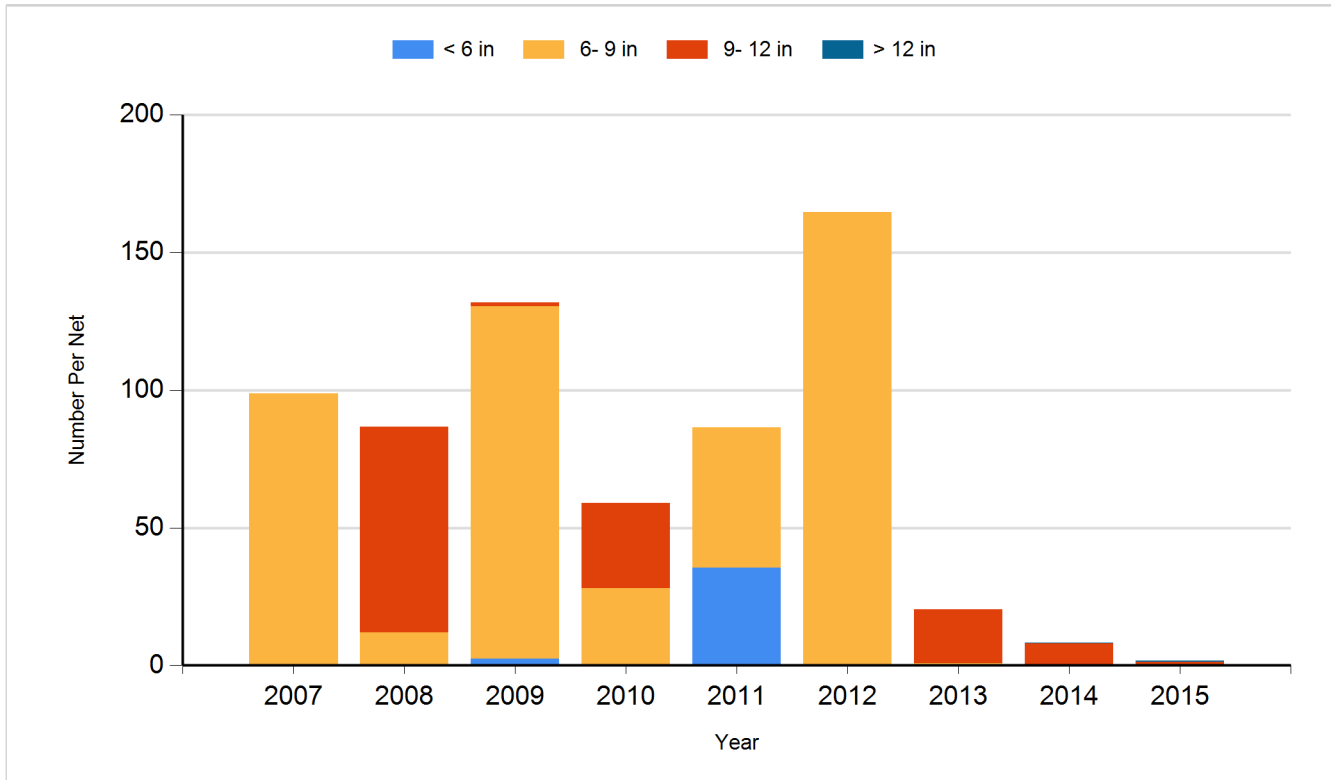
## Historic Fish Sizes and Relative Abundance

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

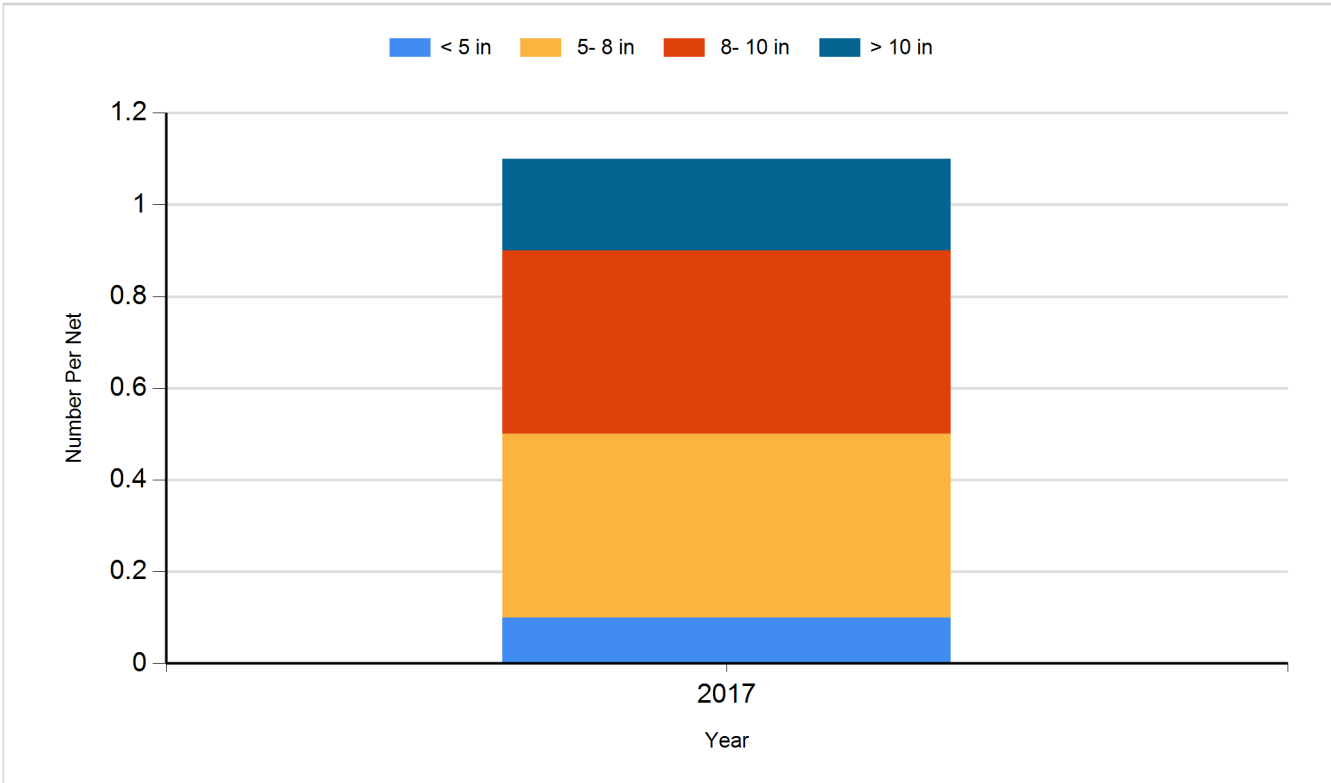
Species: Black Bullhead  
Gear: AFS std gill net



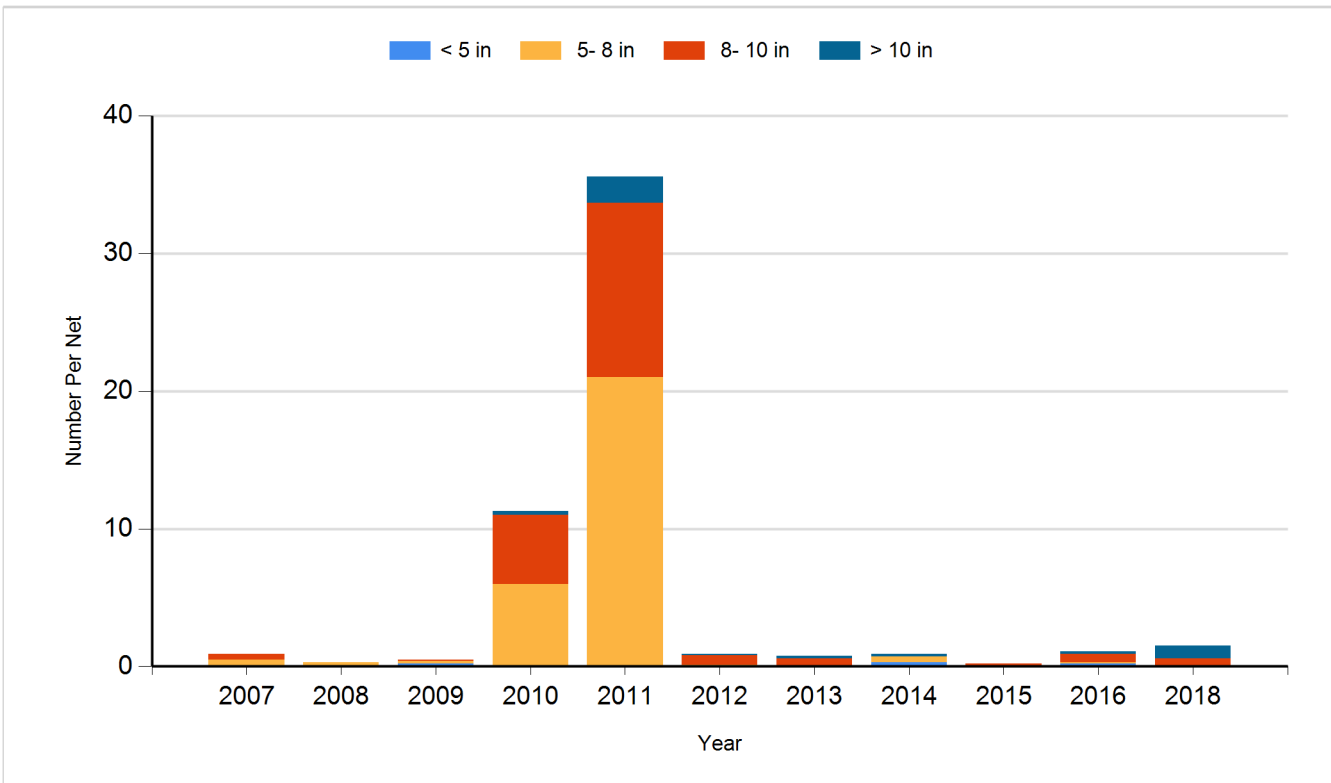
Species: Black Bullhead  
Gear: std exp gill net



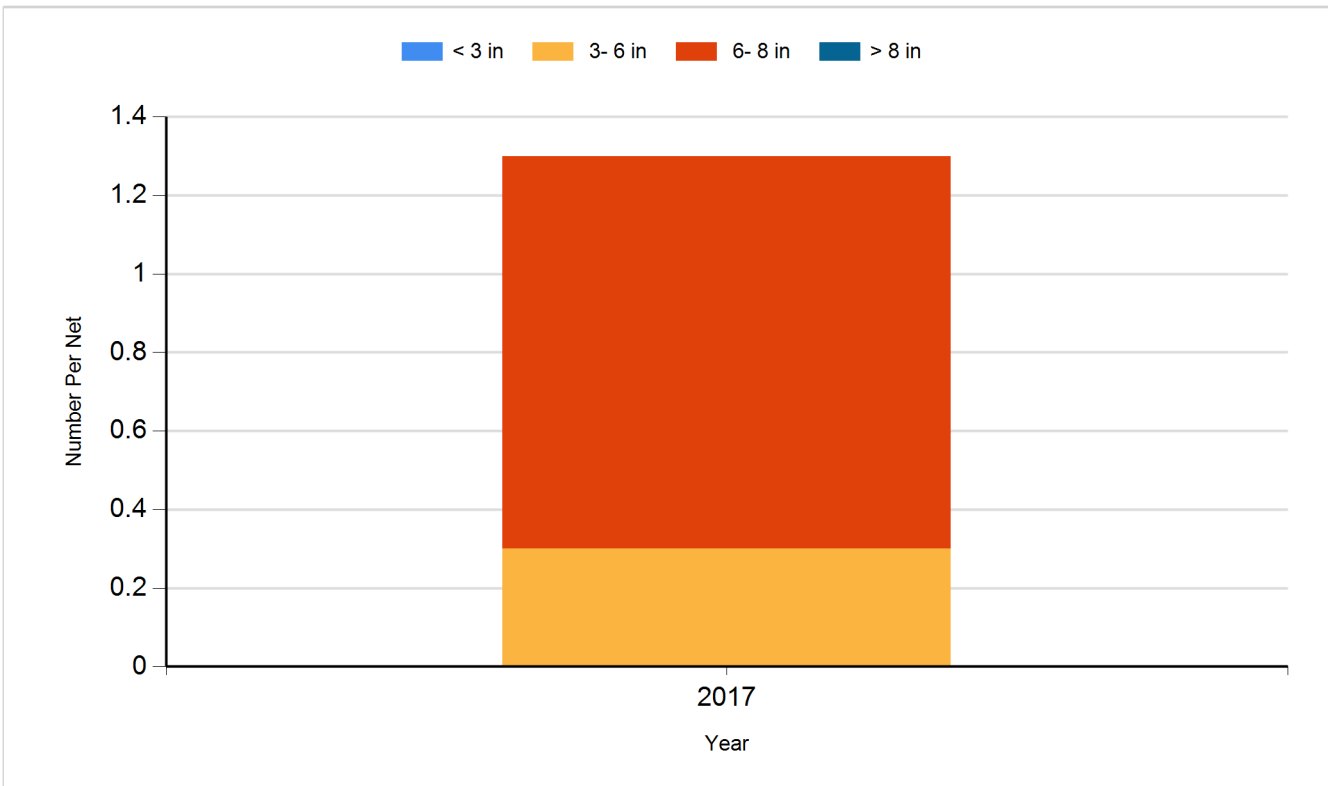
Species: Black Crappie  
Gear: AFS std frame net



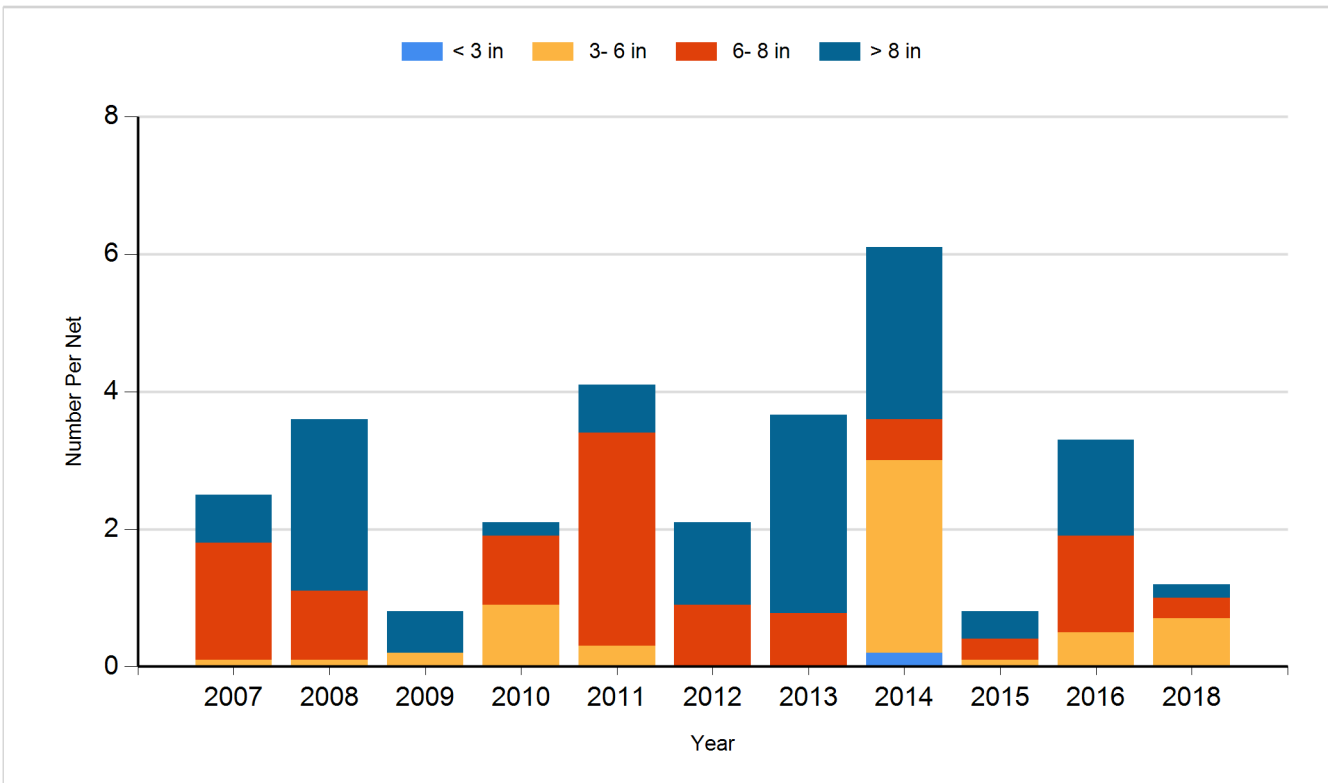
Species: Black Crappie  
Gear: frame net (std 3/4 in)



Species: Bluegill  
Gear: AFS std frame net

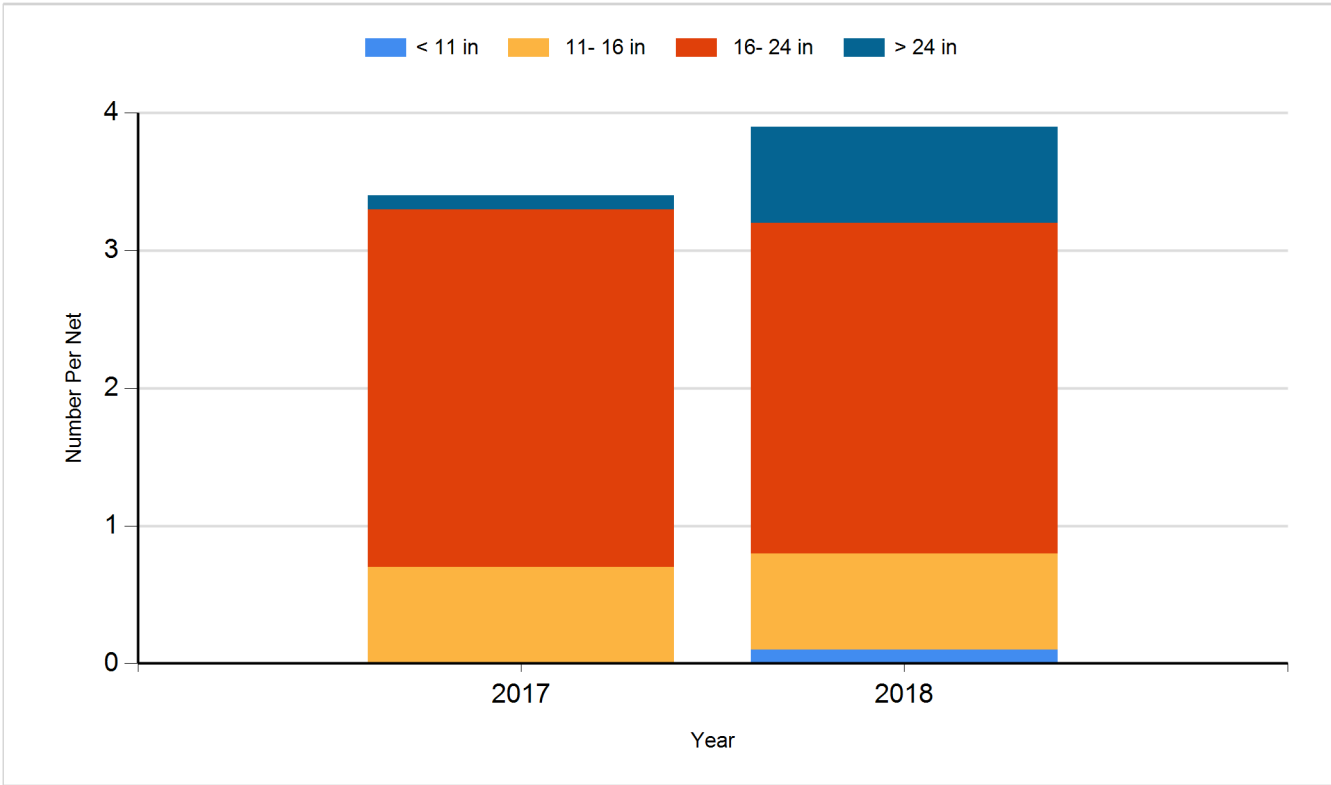


Species: Bluegill  
Gear: frame net (std 3/4 in)

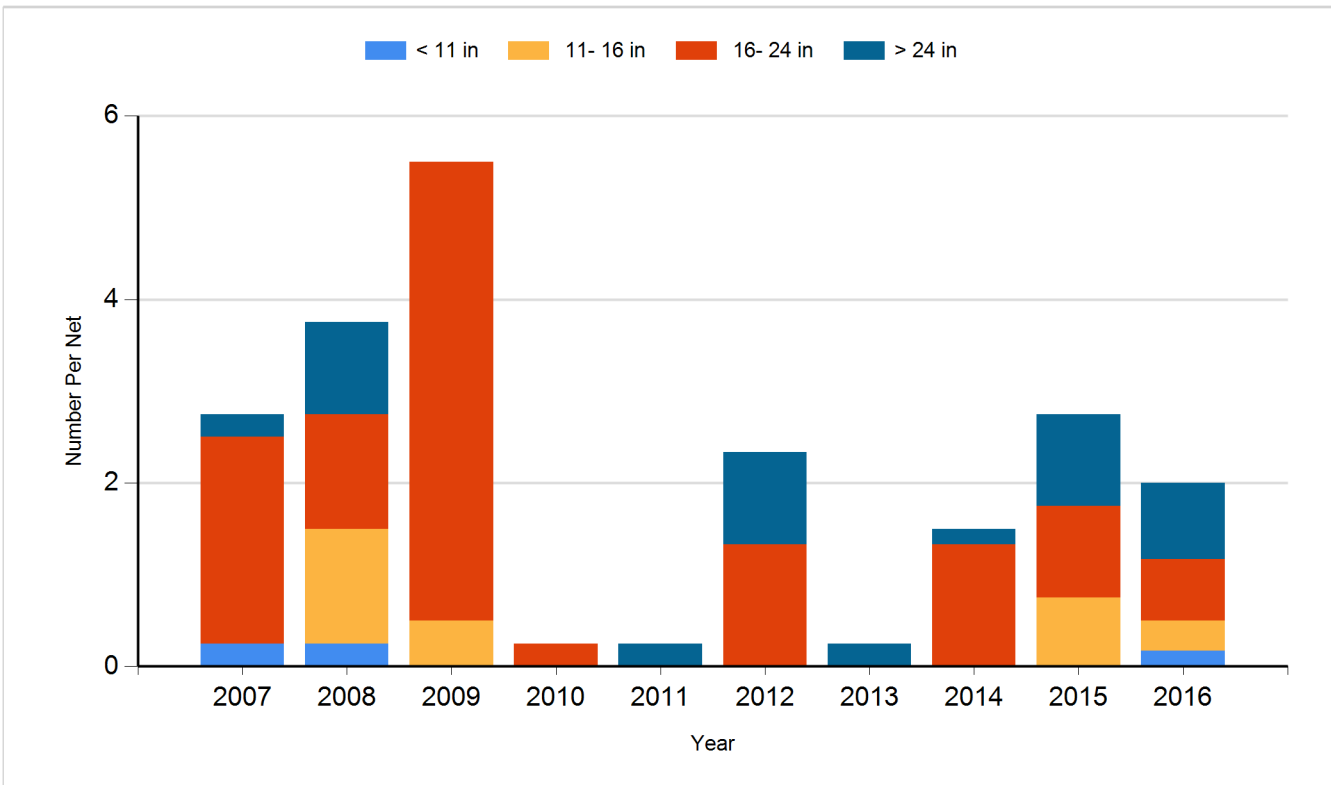




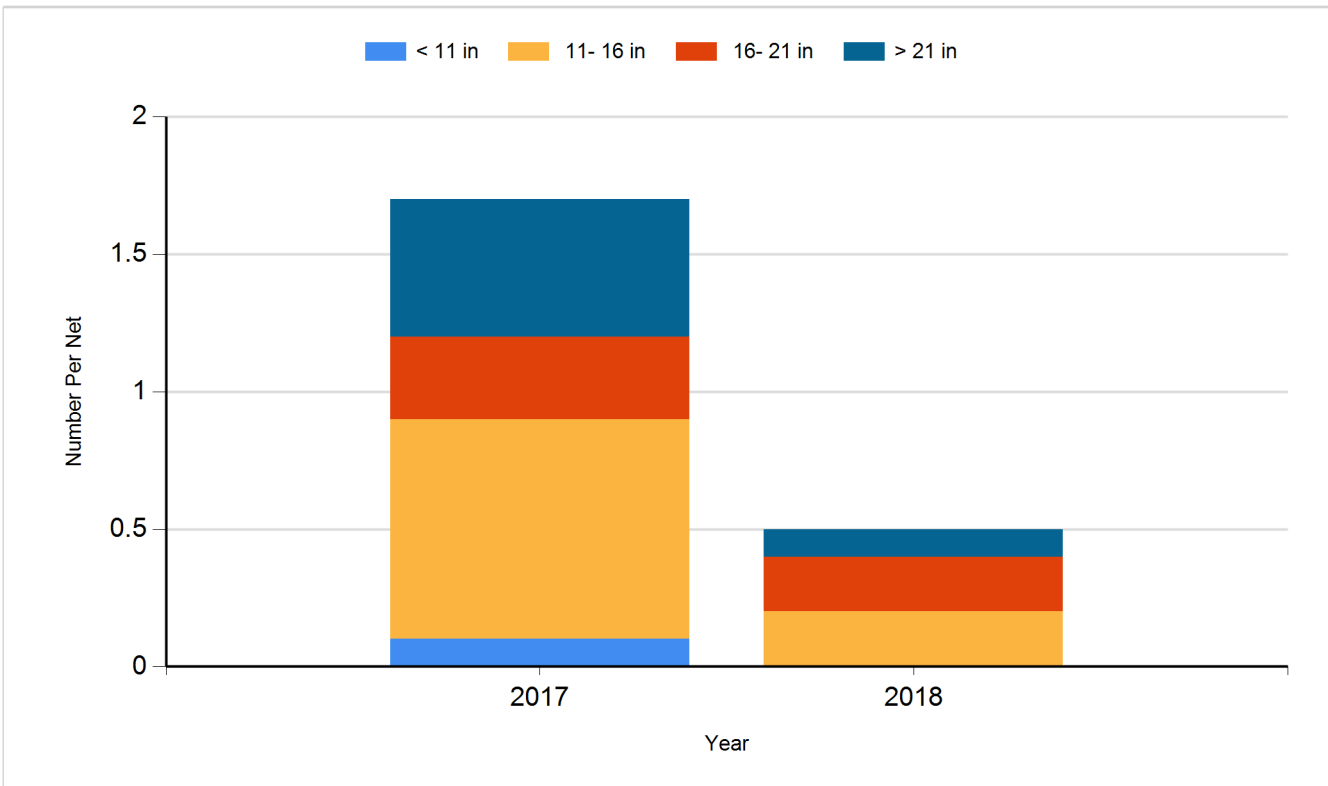
Species: Channel Catfish  
Gear: AFS std gill net



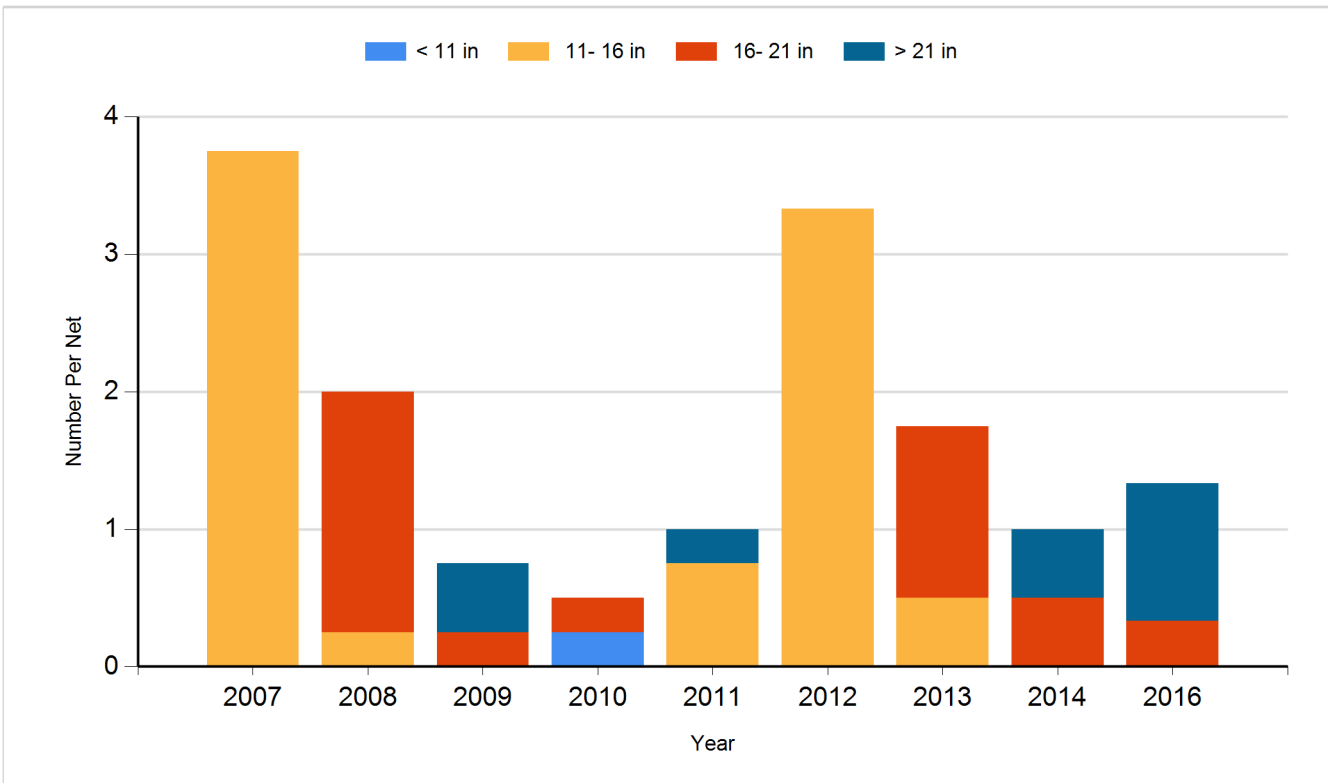
Species: Channel Catfish  
Gear: std exp gill net



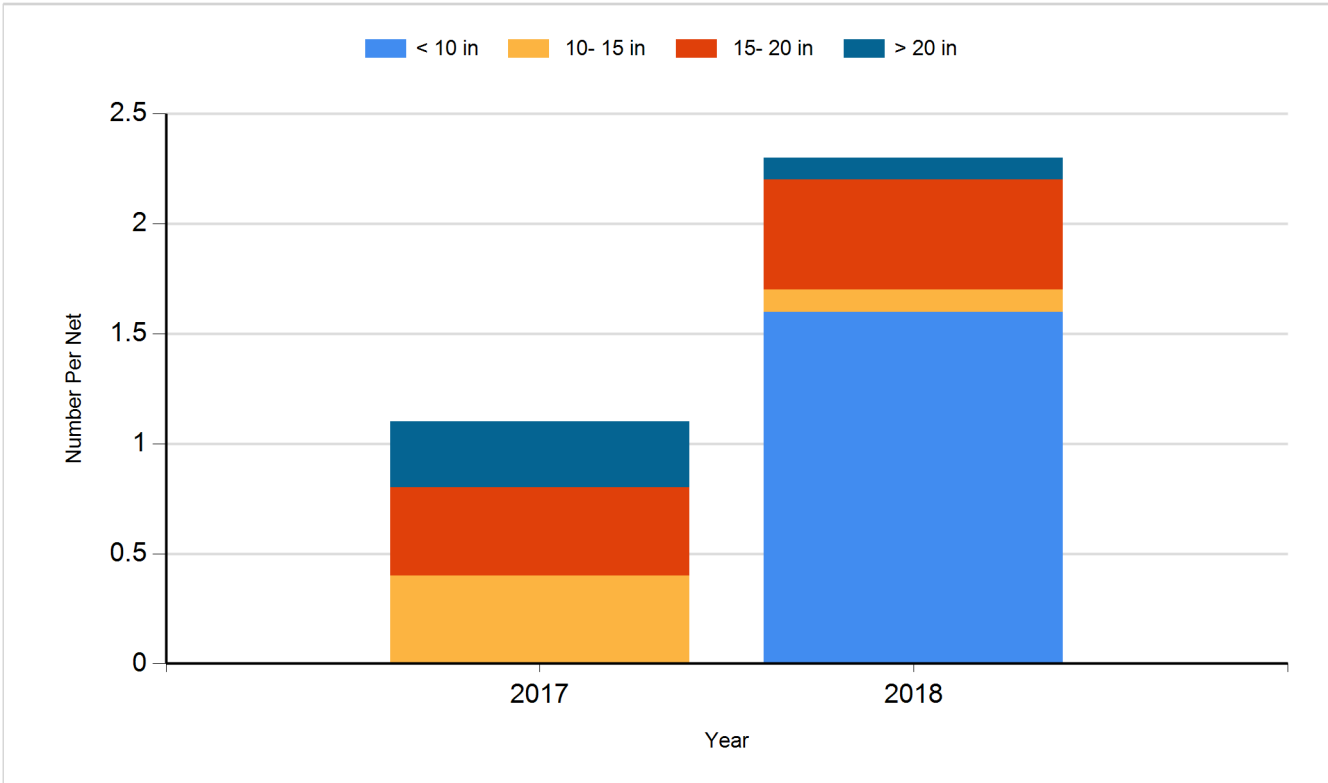
Species: Common Carp  
Gear: AFS std gill net



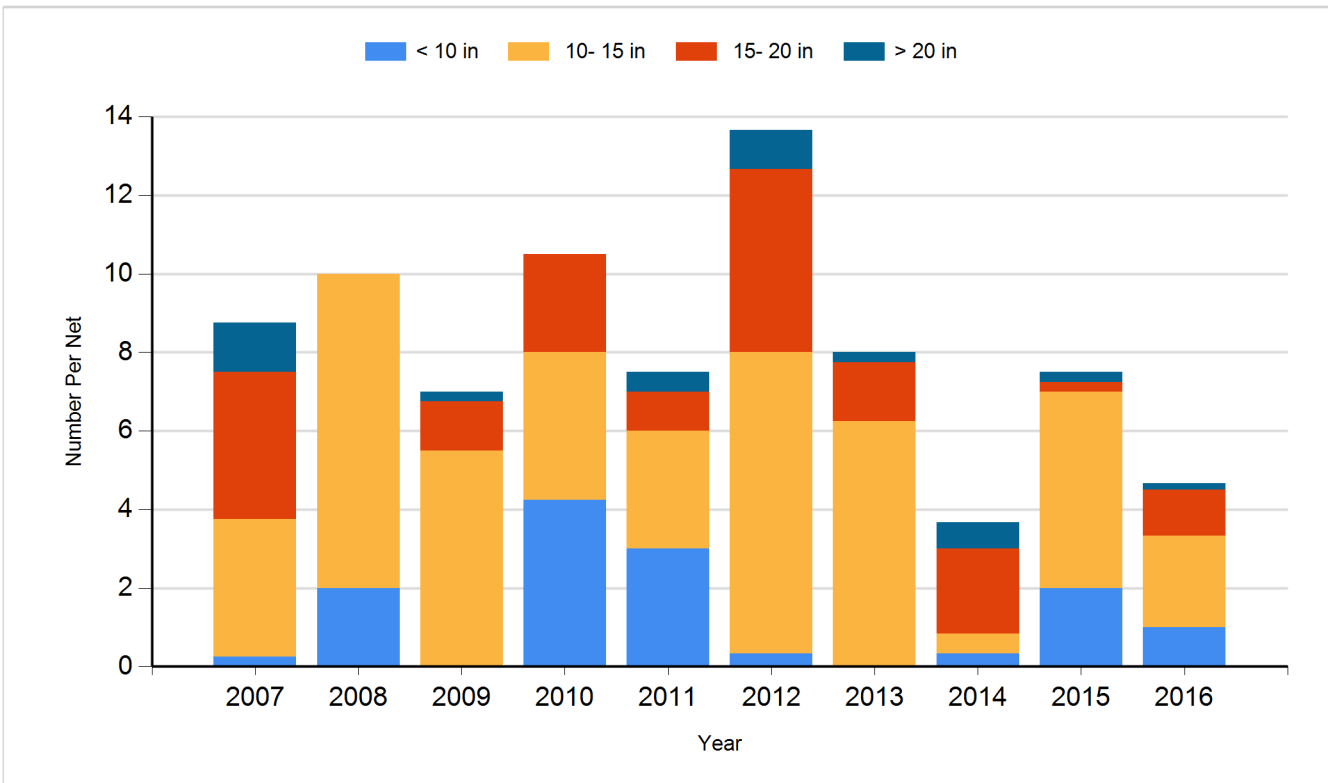
Species: Common Carp  
Gear: std exp gill net



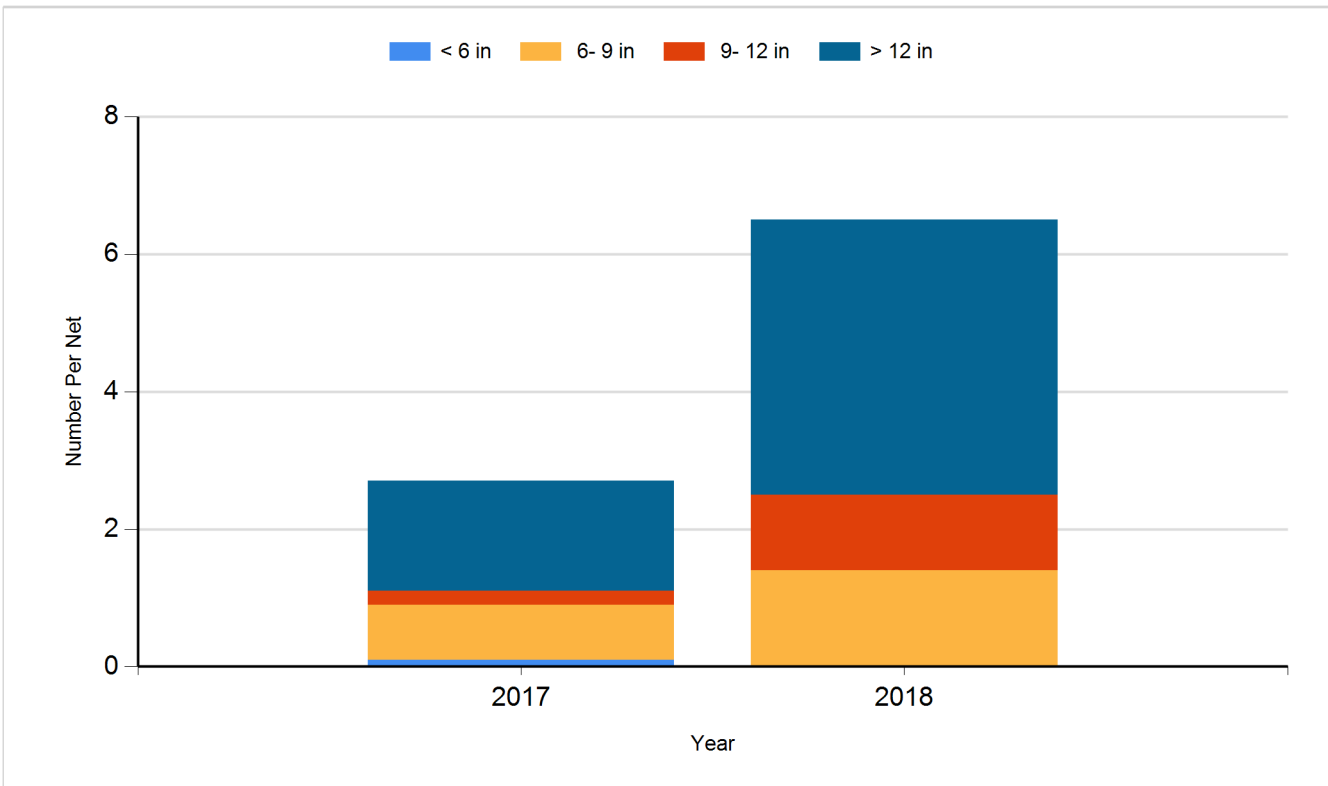
Species: Walleye  
Gear: AFS std gill net



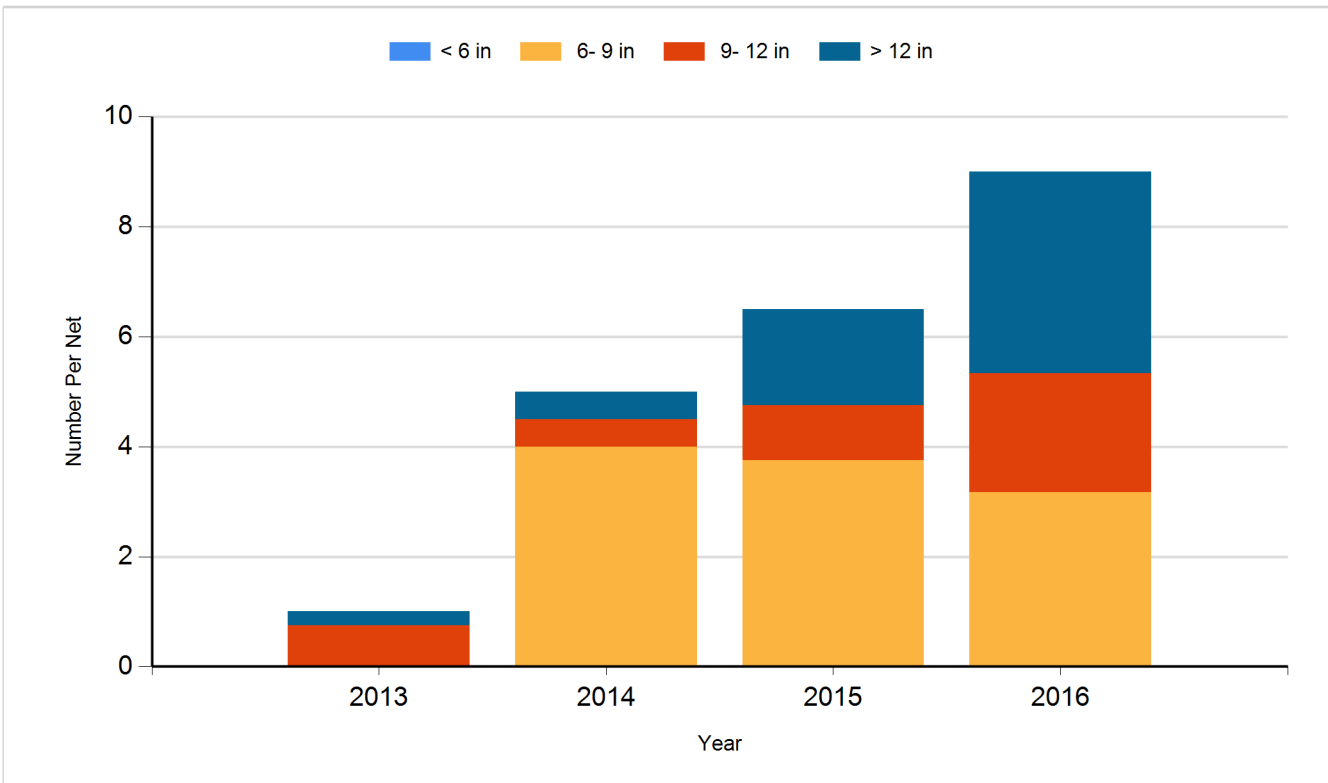
Species: Walleye  
Gear: std exp gill net



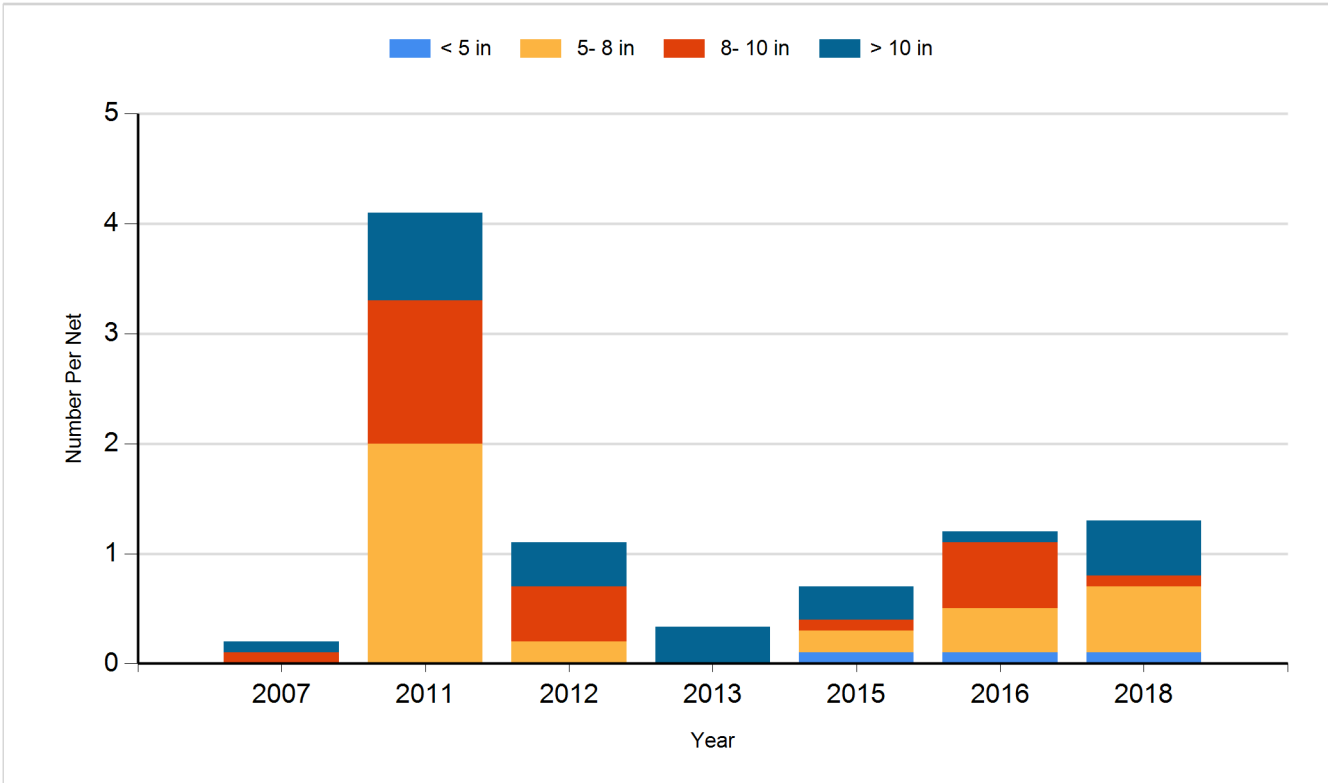
Species: White Bass  
Gear: AFS std gill net



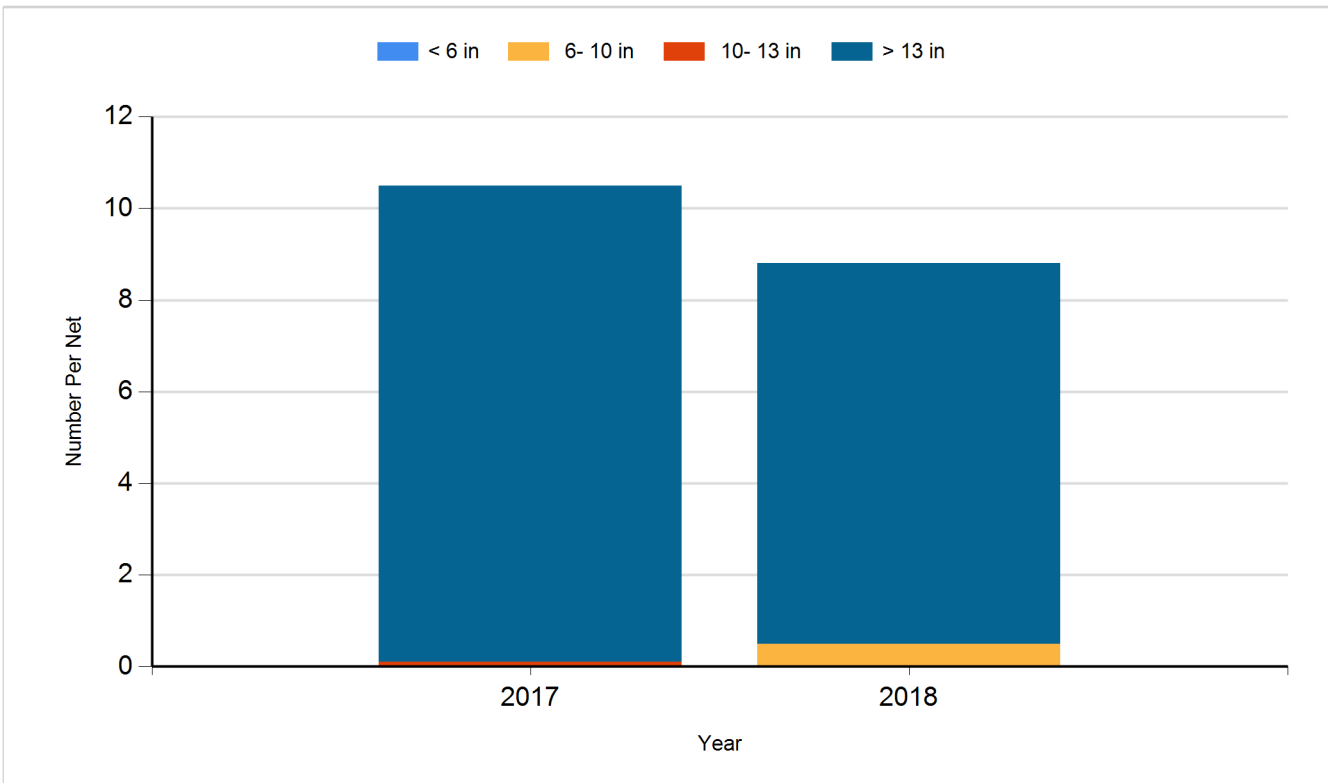
Species: White Bass  
Gear: std exp gill net



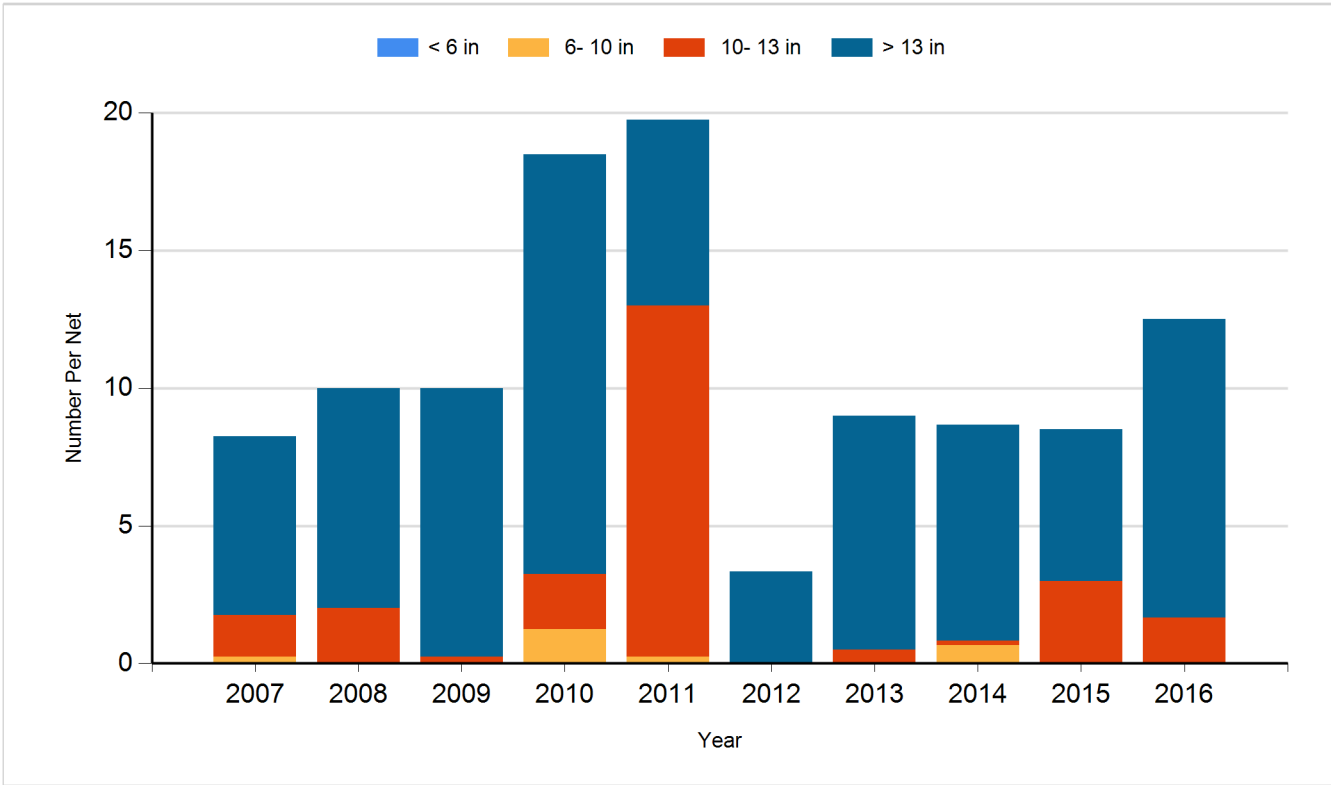
Species: White Crappie  
Gear: frame net (std 3/4 in)



Species: White Sucker  
Gear: AFS std gill net



Species: White Sucker  
Gear: std exp gill net



## **Fish Stocking**

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

Year	Species	Size	Number
2018	Walleye	Small Fingerling	35,280