

# SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Mitchell, Davison County

LJA-Lake-623-000

2018

## Lake Information

<b>Name:</b>	Mitchell	<b>Maximum Depth:</b>	29 Feet
<b>County:</b>	Davison	<b>Mean Depth:</b>	12 Feet
<b>Legal Description:</b>	T103W- R60N-Sec 4-6, 9; T104N- R60W-Sec 31-32		
<b>Surface Area:</b>	690 Acres	<b>Watershed Area:</b>	19,821.31 Sq Miles

## Surveys and Investigations

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

Gear	Date	Effort
AFS std gill net	Jun 04, 2018	10 net-nights
frame net (std 3/4 in)	Jun 04, 2018	10 net-nights

## **Common Fish Species Present**

Largemouth Bass

Bluegill

Black Crappie

White Crappie

Channel Catfish

Freshwater Drum

Common Carp

Flathead Catfish

Smallmouth Bass

Walleye

---

## 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 Crappie	16	1.5	1.1	80		7		94	2
	Bluegill	2	0.2	0.3	100		0		121	9
	Channel Catfish	94	8.3	1.4	87	6	4		87	1
	Common Carp	7	0.7	0.3	86		43			
	Freshwater Drum	86	8.6	1.3	56	8	7	4		
	Walleye	3	0.3	0.2	100		33		88	3
	White Crappie	9	0.8	0.3	50		13		96	4
frame net (std 3/4 in)	Black Crappie	134	13.2	10.8	81	5	0		93	1
	Bluegill	162	16.2	8.8	83	4	6	3	105	1
	Channel Catfish	95	9.2	8.0	90	5	7	4	87	2
	Common Carp	8	0.8	0.5	100		50			
	Flathead Catfish	5	0.5	0.3	100		20		101	5
	Freshwater Drum	2	0.2	0.2	100		50			
	Green Sunfish	1	0.1	0.1	0		0			
	Smallmouth Bass	4	0.4	0.3	100		50		95	3
	White Crappie	213	21.2	17.1	96	2	0		88	1
	White Sucker	1	0.1	0.1	100		100			

## 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 Crappie									20.3		20.3
	Bluegill									4.6		4.6
	Channel Catfish									2.3		2.3
	Common Carp									1.3		1.3
	Freshwater Drum									0.1		0.1
	Green Sunfish									0.1		0.1
	Northern Pike									0.1		0.1
	Orangespotted Sunfish									0.0		0.0
	Shorthead Redhorse									0.1		0.1
	Sunfish Hybrid									0.0		0.0
White Crappie									16.9		16.9	
AFS std gill net	Bigmouth Buffalo									0.1		0.1
	Black Crappie									7.4	1.5	4.5
	Bluegill									0.1	0.2	0.2
	Channel Catfish									13.4	8.3	10.9
	Common Carp										0.7	0.7
	Flathead Catfish									0.1		0.1
	Freshwater Drum									2.6	8.6	5.6
	Northern Pike									0.3		0.3
	Quillback									0.0		0.0
	Walleye									0.3	0.3	0.3
White Crappie									3.0	0.8	1.9	
boat shocker (night)	Largemouth Bass									3.5		3.5
	Smallmouth Bass									20.0		20.0
fall night EF-WAE	Flathead Catfish						156.9	13.6				85.3
	Largemouth Bass	18.0		12.3	4.3							11.5
	Smallmouth Bass	1.8										1.8
	Walleye	18.5	49.5	12.3	0.5	119.5	12.4	0.2				30.4
frame net (std 3/4 in)	Bigmouth Buffalo		0.1			0.1		0.5				0.2
	Black Bullhead	0.1	0.2		0.7			0.0	0.1			0.2
	Black Crappie	1.2	10.4	8.6	3.8	1.4	1.0	7.3	43.9		13.2	10.1
	Blue Catfish	0.1										0.1
	Bluegill	4.3	24.3	7.6	18.5	2.3	2.3	4.0	2.3		16.2	9.1
	Channel Catfish	5.9	1.7	3.1	1.8	2.6	4.6	18.7	6.4		9.2	6.0

		CPUE											
Gear	Species	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Avg	
frame net (std 3/4 in)	Common Carp	6.3	2.6	2.7	3.6	2.3		1.4	1.3		0.8	2.6	
	Flathead Catfish	0.1	0.0	0.3		0.3	0.1	0.3			0.5	0.2	
	Freshwater Drum	0.1	0.2	0.1	1.6	0.5	0.9		0.1		0.2	0.5	
	Green Sunfish			0.2					0.4		0.1	0.2	
	Largemouth Bass						0.0		0.1			0.1	
	Northern Pike	0.3	0.3	0.1	0.1	0.3	0.1	0.1	0.3				0.2
	Shorthead Redhorse	1.1	2.4	2.1	1.0	0.4			0.1				1.2
	Smallmouth Bass	0.4	0.8	1.1	0.4	0.4	0.0		0.2		0.4		0.5
	Sunfish Hybrid		0.0	0.0									0.0
	Walleye	0.3	0.1			0.1	0.5						0.3
	White Crappie		0.2	0.1			0.4	0.7	15.3		21.2		6.3
	White Sucker	0.3	0.9	0.9	0.3	0.3					0.1		0.5
	hoop net	Black Crappie								7.0			7.0
Bluegill									1.3			1.3	
Channel Catfish									0.7	2.3		1.5	
Smallmouth Bass									0.7			0.7	
White Crappie									2.3			2.3	
std exp gill net	Bigmouth Buffalo	0.2				1.0			1.0			0.7	
	Black Bullhead	0.2	4.2	2.6	2.8							2.5	
	Black Crappie	0.5	0.2		2.7	0.6	0.3	14.0	5.8			3.4	
	Bluegill	0.2	0.2	0.2	0.2	0.6			0.2			0.3	
	Channel Catfish	4.2	5.3	1.2	16.7	9.8	16.5	18.4	22.0			11.8	
	Common Carp	0.7	0.5	0.6	1.0	1.0	2.5	0.4	0.8			0.9	
	Flathead Catfish		0.2									0.2	
	Freshwater Drum	2.2	3.5	4.8	11.3	1.4	2.0	3.8	5.0				4.3
	Largemouth Bass					0.2	0.0						0.1
	Northern Pike	1.8	0.5	3.0	0.7	0.8	0.3						1.2
	Shorthead Redhorse	0.8	0.3	1.4	1.8	0.6	0.5						0.9
	Smallmouth Bass			0.8	0.0	0.2	0.8	0.2					0.4
	Walleye	2.0	1.8	8.0	3.3	2.4	2.8	0.8	0.8				2.7
	White Crappie						0.8		5.0				2.9
	White Sucker	0.8	2.5	6.8	0.2	0.4							2.1

## 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 Crappie	PSD										100		
		PSD-P										0		
		Wr										95		
	Bluegill	PSD										85		
		PSD-P										4		
		Wr										114		
	Channel Catfish	PSD										79		
		PSD-P										4		
		Wr										95		
	Common Carp	PSD										100		
		PSD-P										40		
		Wr										99		
	White Crappie	PSD										99		
		PSD-P										0		
		Wr										100		
AFS std gill net	Black Crappie	PSD										100	80	
		PSD-P										2	7	
		Wr										102	94	
	Bluegill	PSD										100	100	
		PSD-P										0	0	
		Wr										100	121	
	Channel Catfish	PSD										85	87	
		PSD-P										2	4	
		Wr										86	87	
	Common Carp	PSD											86	
		PSD-P											43	
	Flathead Catfish	PSD										100		
		PSD-P										0		
		Wr										102		
	Walleye	PSD										100	100	
		PSD-P										100	33	
		Wr										87	88	
	White Crappie	PSD										96	50	
PSD-P											0	13		



Gear	Species	Index	Year										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
AFS std gill net	White Crappie	Wr										105	96
boat shocker (night)	Largemouth Bass	PSD										71	
		PSD-P										71	
		Wr										105	
	Smallmouth Bass	PSD										3	
		PSD-P										3	
		Wr										97	
fall night EF- WAE	Flathead Catfish	Wr									83		
	Largemouth Bass	Wr	106		100	101							
	Smallmouth Bass	Wr	100										
	Walleye	Wr	89	83	94	93	85	79	90				
frame net (std 3/4 in)	Black Crappie	PSD	86	75	87	63	65	88	0	49		81	
		PSD-P	7	23	15	50	41	25	0	2		0	
		Wr	111	100	103	105	107	101	108	103		93	
	Bluegill	PSD	84	58	59	97	96	33	29	79		83	
		PSD-P	53	20	8	48	67	6	4	0		6	
		Wr	107	102	115	112	97	102	104	107		105	
	Channel Catfish	PSD	38	85	51	78	39	78	58	62		90	
		PSD-P	4	10	11	44	19	43	13	1		7	
		Wr	94	93	92	92	80	85	89	97		87	
	Common Carp	PSD	79	90	63	83	100		100	93		100	
		PSD-P	18	35	22	22	50		71	67		50	
		Wr	96	91	95	98	90						
	Flathead Catfish	PSD	100	0	33		100	0	100			100	
		PSD-P	0	0	0		0	0	25			20	
		Wr	62		93		78	86	94			101	
	Largemouth Bass	PSD							0		100		
		PSD-P							0		0		
		Wr									97		
	Smallmouth Bass	PSD	80	56	15	0	60	0		100		100	
		PSD-P	0	44	15	0	20	0		50		50	
		Wr	94	83	92	97	94			91		95	
	Walleye	PSD	67	100				0	100				
		PSD-P	33	0				0	25				
		Wr	82	78				85	90				
White Crappie	PSD		0	100				33	13	66	96		

Gear	Species	Index	Year											
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		
frame net (std 3/4 in)	White Crappie	PSD-P		0	100				33	0	0		0	
		Wr		115	93				99	99	99		88	
hoop net	Black Crappie	PSD										71		
		PSD-P										0		
		Wr										104		
	Bluegill	PSD											50	
		PSD-P											0	
		Wr											103	
	Channel Catfish	PSD											50	64
		PSD-P											0	0
		Wr											87	93
	Smallmouth Bass	PSD											0	
		PSD-P											0	
		Wr											100	
	White Crappie	PSD											14	
		PSD-P											0	
		Wr											101	
std exp gill net	Black Crappie	PSD	33	0		69	100	100		3	62			
		PSD-P	0	0		56	100	100		0	0			
		Wr	127	106		105	79	104		113	109			
	Bluegill	PSD	100	100	100	0	67					100		
		PSD-P	0	0	0	0	67					0		
		Wr	107	110	103	117	109					102		
	Channel Catfish	PSD	64	78	50	27	61	32	55	44				
		PSD-P	12	13	0	2	16	6	11	0				
		Wr	103	91	103	90	89	86	95	92				
	Common Carp	PSD	100	33	67	83	60	100	100	100				
		PSD-P	100	33	67	67	40	60	100	50				
		Wr	91	90	95	99	99							
	Flathead Catfish	PSD		0										
		PSD-P		0										
		Wr		88										
	Largemouth Bass	PSD					100	0						
		PSD-P					0	0						
		Wr					128							
	Smallmouth Bass	PSD			0	0	100	100	100					

Gear	Species	Index	Year									
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
std exp gill net	Smallmouth Bass	PSD-P			0	0	0	100	100			
		Wr			88		89	98	95			
	Walleye	PSD	58	55	5	30	42	82	75	0		
		PSD-P	8	0	0	0	8	9	0	0		
		Wr	86	83	82	86	87	91	76	93		
	White Crappie	PSD						0		76		
		PSD-P						0		0		
		Wr						102		105		

## 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	87		180 (87)								
2014	216	107 (208)	199 (1)	244 (5)	302 (2)						
2013	17	140 (5)	194 (3)	259 (4)	271 (3)	264 (2)					
2012	38	163 (14)	253 (6)	255 (11)	266 (6)	273 (1)					
2011	103	151 (3)	209 (62)	232 (30)	270 (8)						
2010	127	140 (26)	204 (19)	245 (75)	257 (6)	278 (1)					
2009	27	111 (15)	212 (9)		244 (3)						

Species: Bluegill

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2015	48		135 (24)	151 (17)	175 (4)	202 (3)					
2014	19	91 (6)	109 (8)	160 (4)	181 (1)		212 (1)				
2013	27	118 (1)	161 (2)	184 (2)	208 (13)	210 (7)	234 (1)				
2012	187	86 (7)		200 (11)	195 (84)	202 (55)	206 (32)				
2011	91	94 (3)	133 (41)	182 (35)	194 (11)	206 (1)					
2010	259		137 (114)	187 (114)	210 (14)	229 (13)	223 (3)	223 (3)			
2009	51	87 (2)	145 (11)	176 (4)	205 (24)	209 (10)					

Species: Largemouth Bass

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2012	28	161 (12)	276 (1)	308 (1)	317 (5)			374 (2)	399 (5)	441 (3)	
2011	47			274 (7)	351 (9)	363 (14)	382 (4)	429 (7)	427 (5)		487 (1)
2009	72		245 (13)	287 (11)	325 (7)	348 (23)	389 (6)	410 (6)	417 (3)	446 (5)	465 (1)

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2018	3					448 (1)			559 (2)		
2017	2										568 (2)
2016	4		281 (2)	290 (2)							
2015	4		262 (1)	387 (1)	438 (2)						
2014	11	259 (2)		418 (4)	468 (2)	486 (2)		475 (1)			
2013	12		391 (12)								
2012	20	266 (1)	327 (7)	375 (10)	505 (1)	467 (1)					
2011	46	229 (7)	298 (36)	383 (2)		452 (1)					
2009	12		333 (4)	403 (6)					575 (2)		

Species: White Crappie

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2015	8		186 (8)								
2014	9	130 (8)			341 (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).

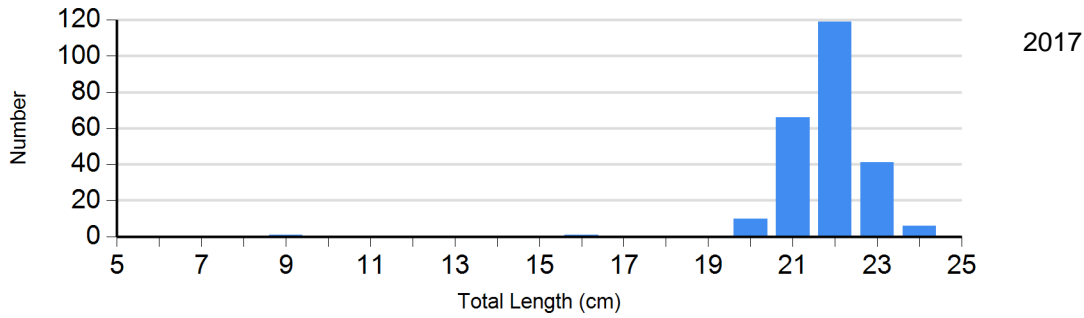
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Crappie Frame Net	2014	1	98	5	106 (0.2)	1	97	1	99
	2015	87	108 (0.8)	0		0		0	
	2016	270	105 (0.8)	247	101 (0.7)	10	87	0	
	2017	1	162	242	94 (0.9)	0		0	
	2018	25	100 (2.4)	107	91 (1.0)	0		0	
Bluegill Frame Net	2014	12	109 (2.6)	5	89 (2.8)	1	83	0	
	2015	34	106 (1.3)	12	99 (3.5)	2	89 (0.7)	0	
	2016	6	115 (9.2)	22	106 (2.1)	0		0	
	2017	8	117 (0.9)	45	114 (1.6)	2	102 (3.0)	0	
	2018	28	107 (1.8)	124	104 (1.1)	10	100	0	
Channel Catfish Gill Net	2014	45	84 (1.6)	17	89 (1.9)	4	95 (4.5)	0	
	2015	41	94 (4.5)	41	95 (1.8)	9	99 (2.9)	1	88
	2016	62	91 (0.8)	48	93 (1.5)	0		0	
	2017	16	84 (1.4)	89	87 (0.9)	2	86	0	
	2018	11	82 (1.9)	69	88 (1.0)	3	94	0	
Largemouth Bass Electro Fishing	2016	2	106 (3.0)	0		5	104 (2.4)	0	
Smallmouth Bass Electro Fishing	2016	39	96 (1.5)	0		0		1	111
Walleye Gill Net	2014	2	80 (2.1)	8	93 (2.4)	1	92	0	
	2015	1	77	3	75 (1.7)	0		0	
	2016	4	93 (3.7)	0		0		0	
	2017	0		0		2	87 (4.7)	0	
	2018	0		2	90 (1.3)	0		1	83

Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
White Crappie Frame Net	2014	2	91 (1.9)	0		0		1	115
	2015	7	102 (4.5)	1	81	0		0	
	2016	63	101 (1.3)	120	98 (1.0)	0		0	
	2017	3	190	199	98 (0.8)	1	90	0	
	2018	9	88	202	88 (0.6)	1		0	

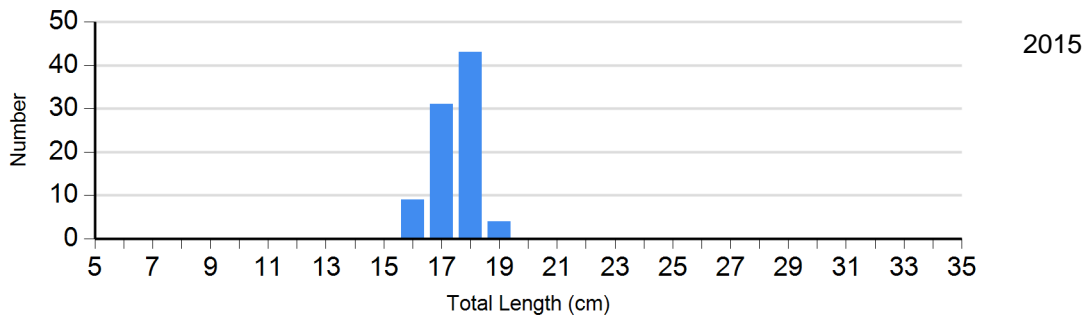
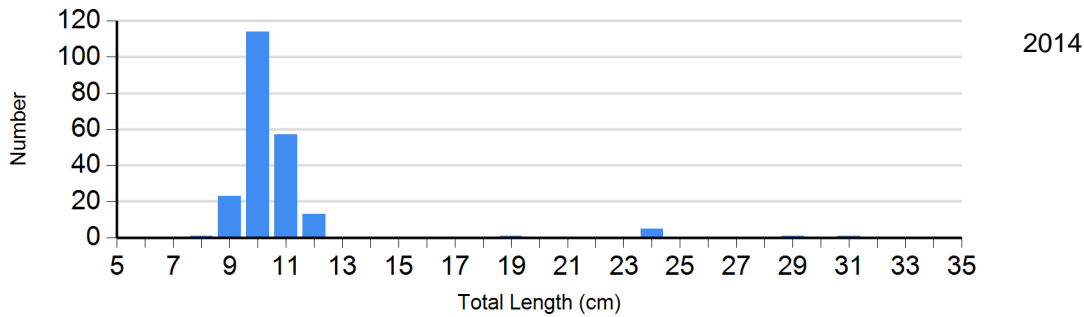
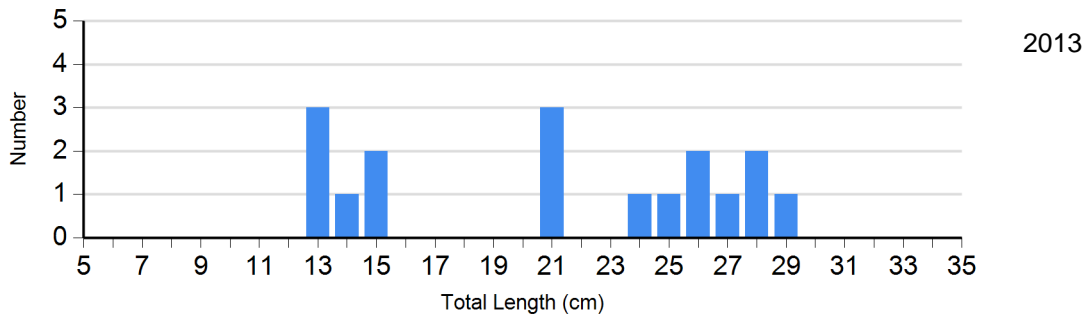
# Length Frequency Distribution

Length frequency histogram of species sampled by year.

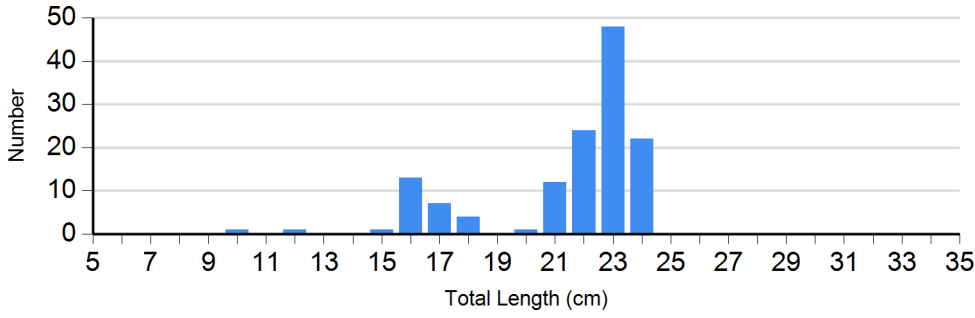
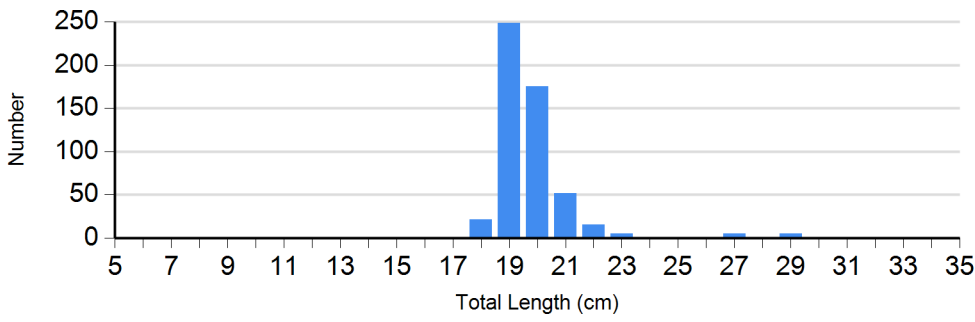
Species: Black Crappie  
Gear: AFS std frame net



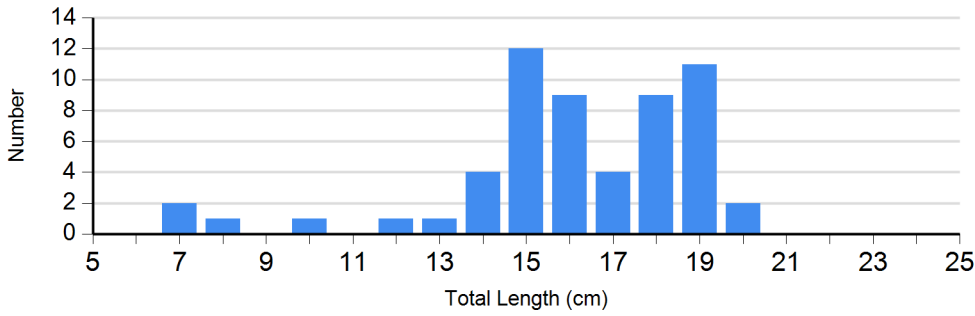
Species: Black Crappie  
Gear: frame net (std 3/4 in)



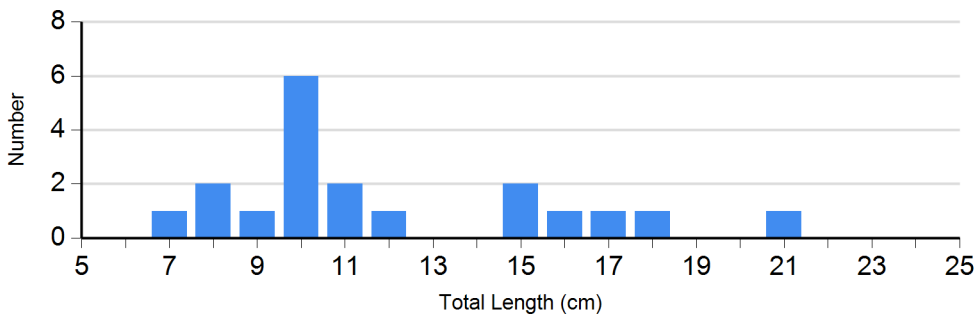
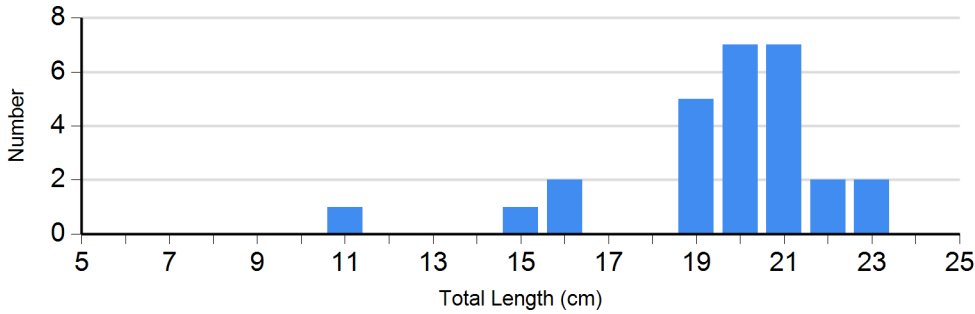


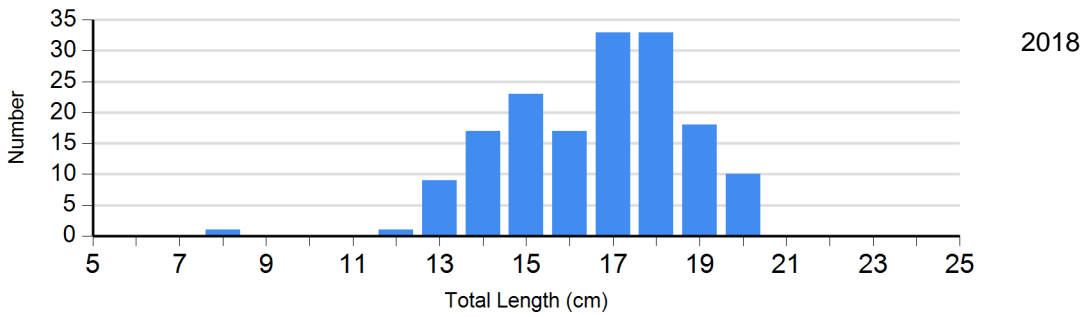
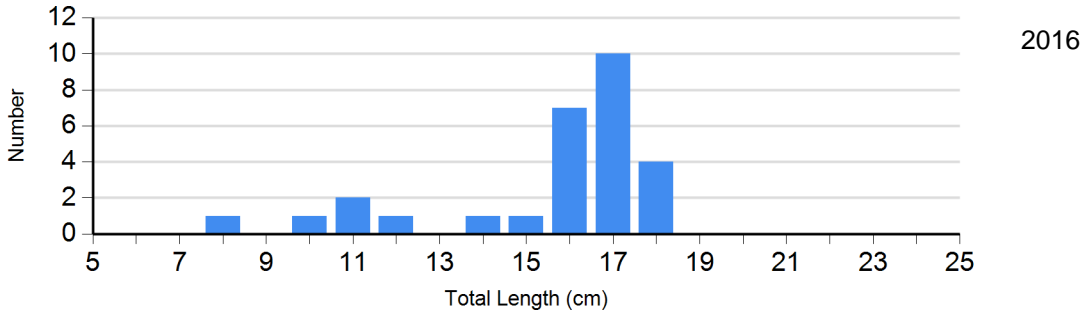
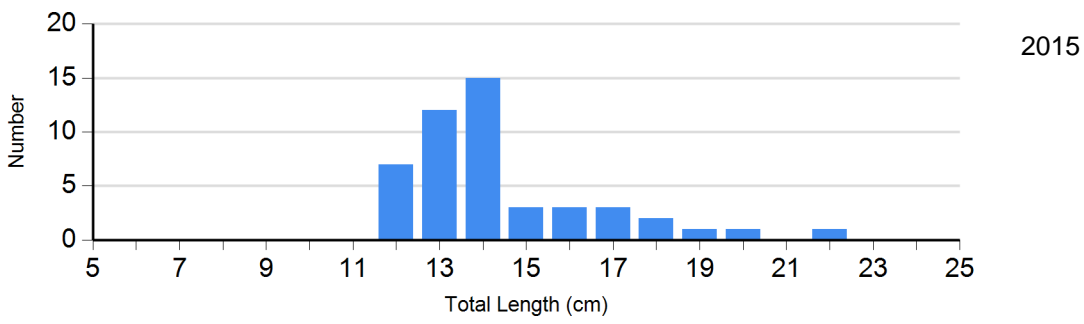


Species: Bluegill  
Gear: AFS std frame net

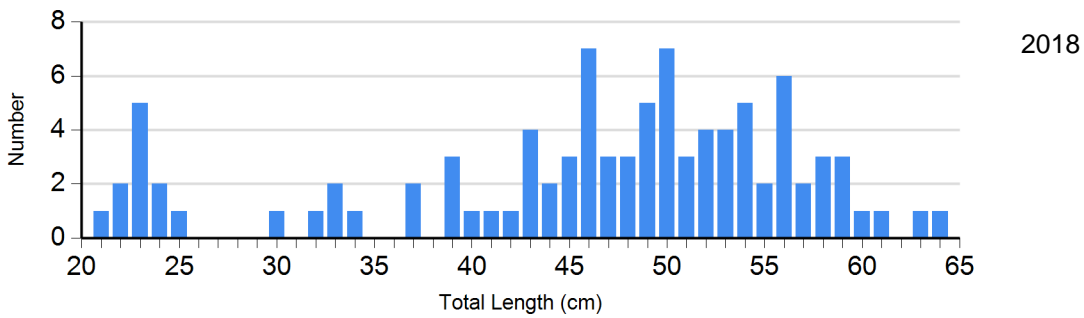
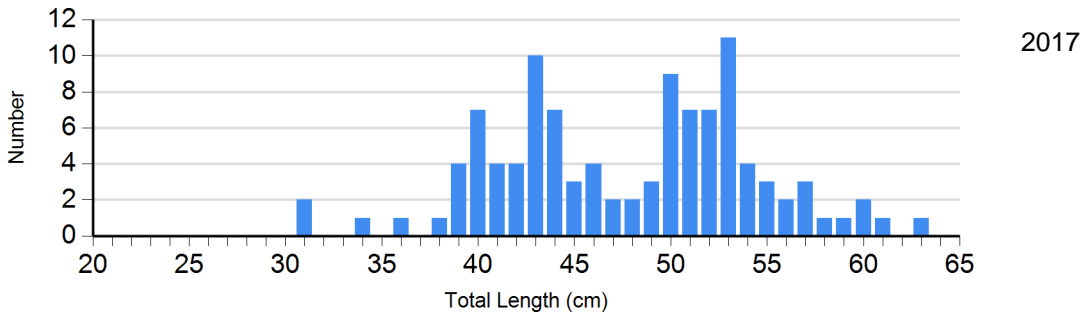


Species: Bluegill  
Gear: frame net (std 3/4 in)

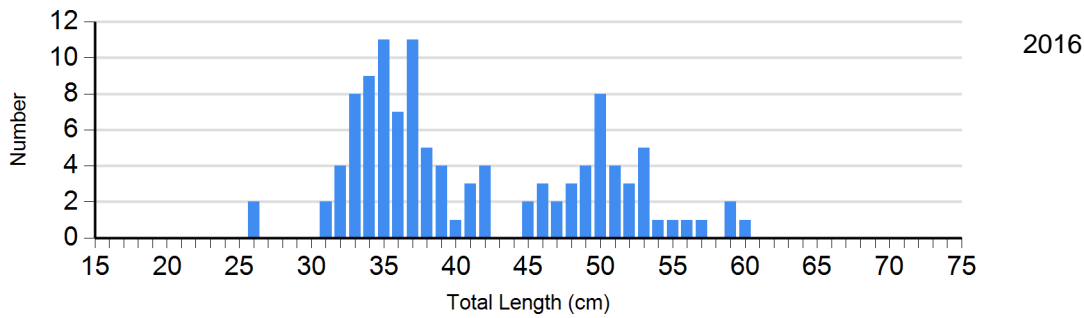
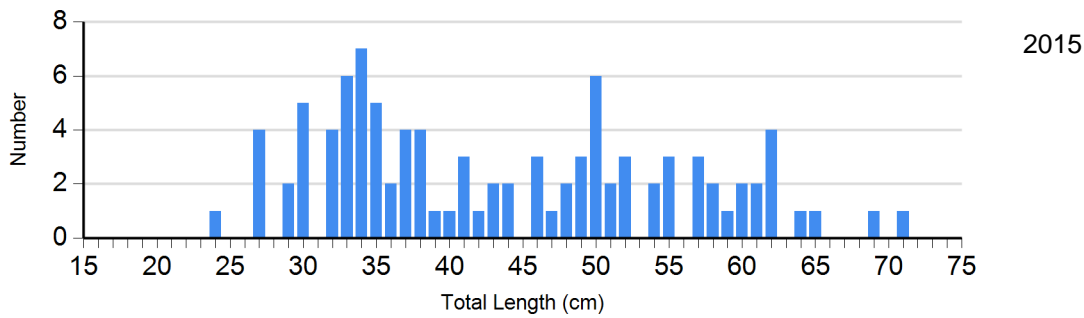
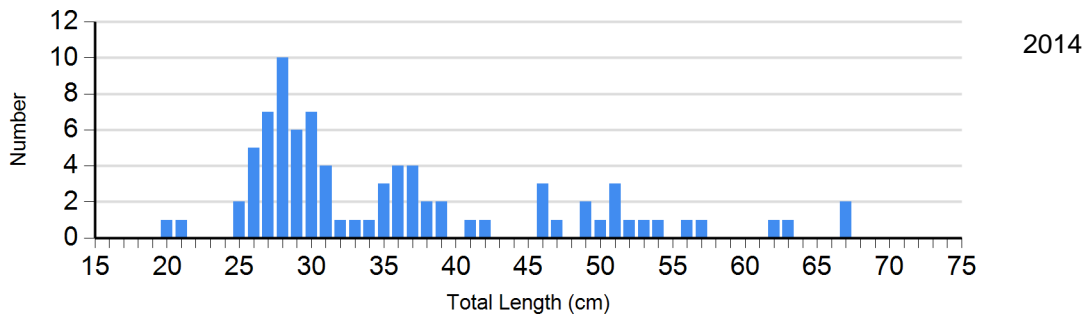
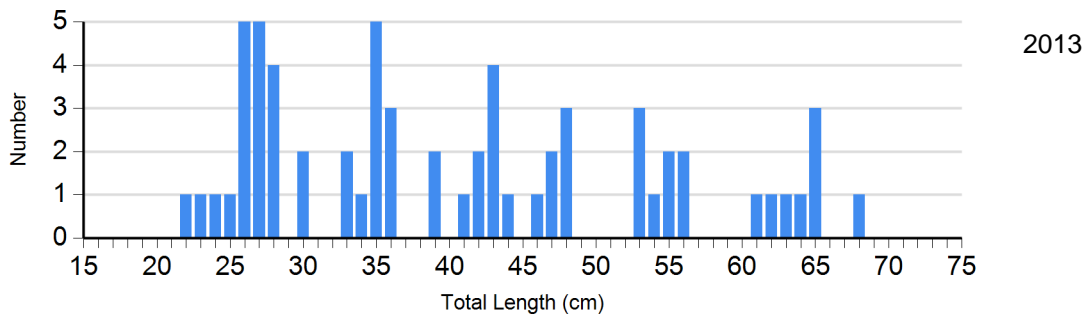




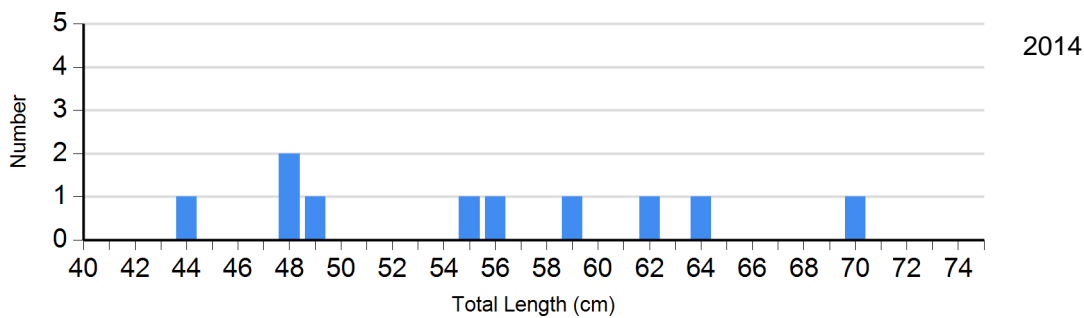
Species: Channel Catfish  
 Gear: AFS std gill net



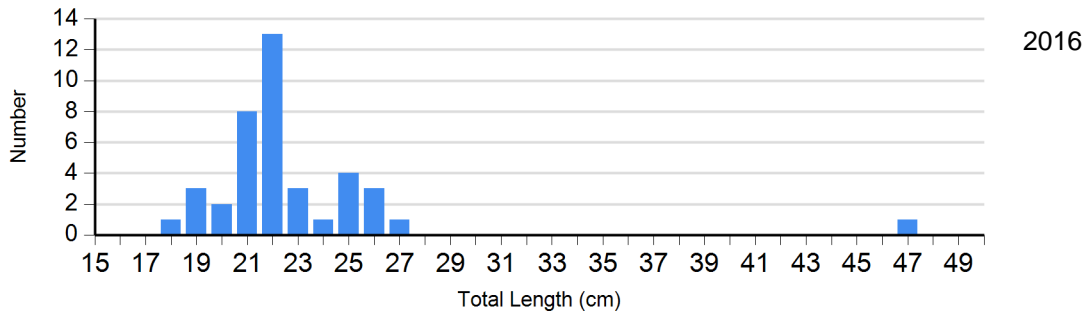
Species: Channel Catfish  
 Gear: std exp gill net



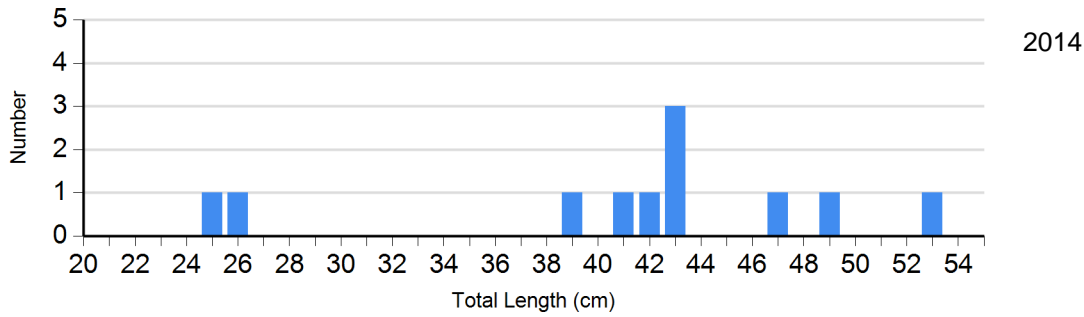
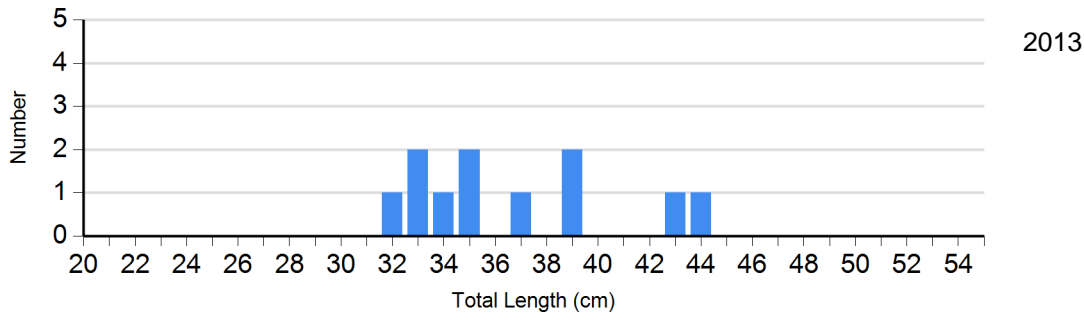
Species: Common Carp  
 Gear: std exp gill net



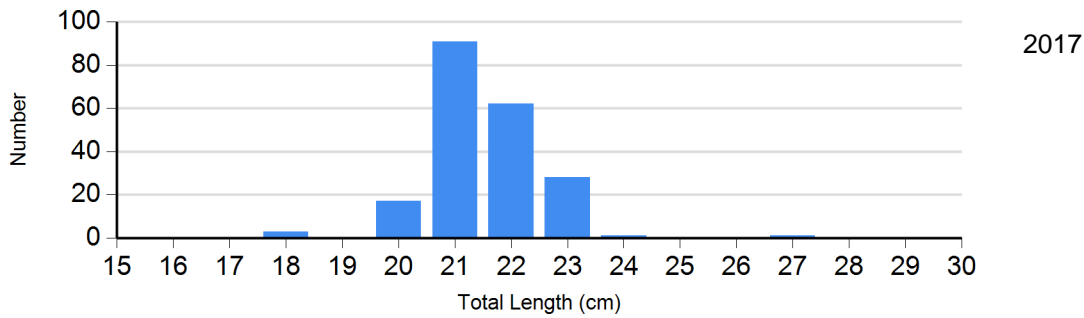
Species: Smallmouth Bass  
 Gear: boat shocker (night)



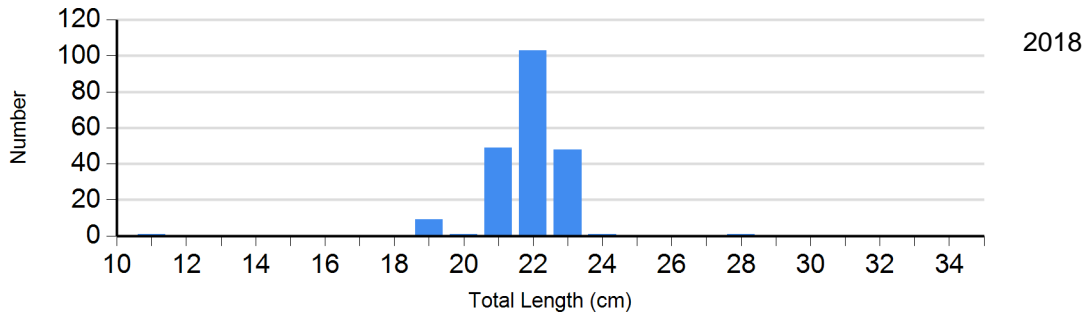
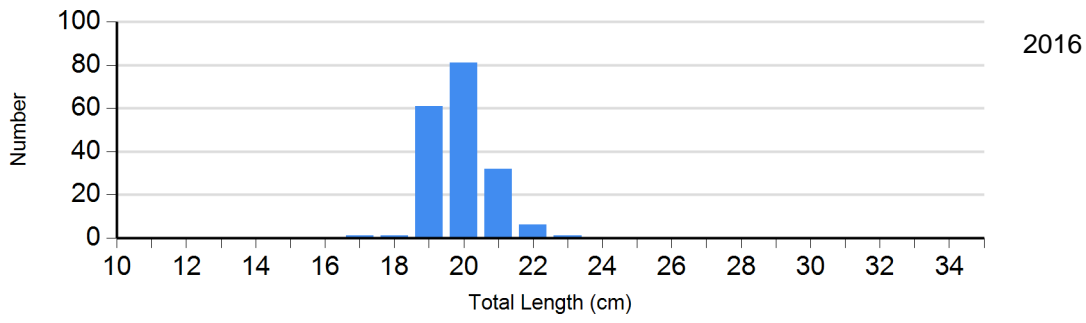
Species: Walleye  
 Gear: std exp gill net



Species: White Crappie  
 Gear: AFS std frame net



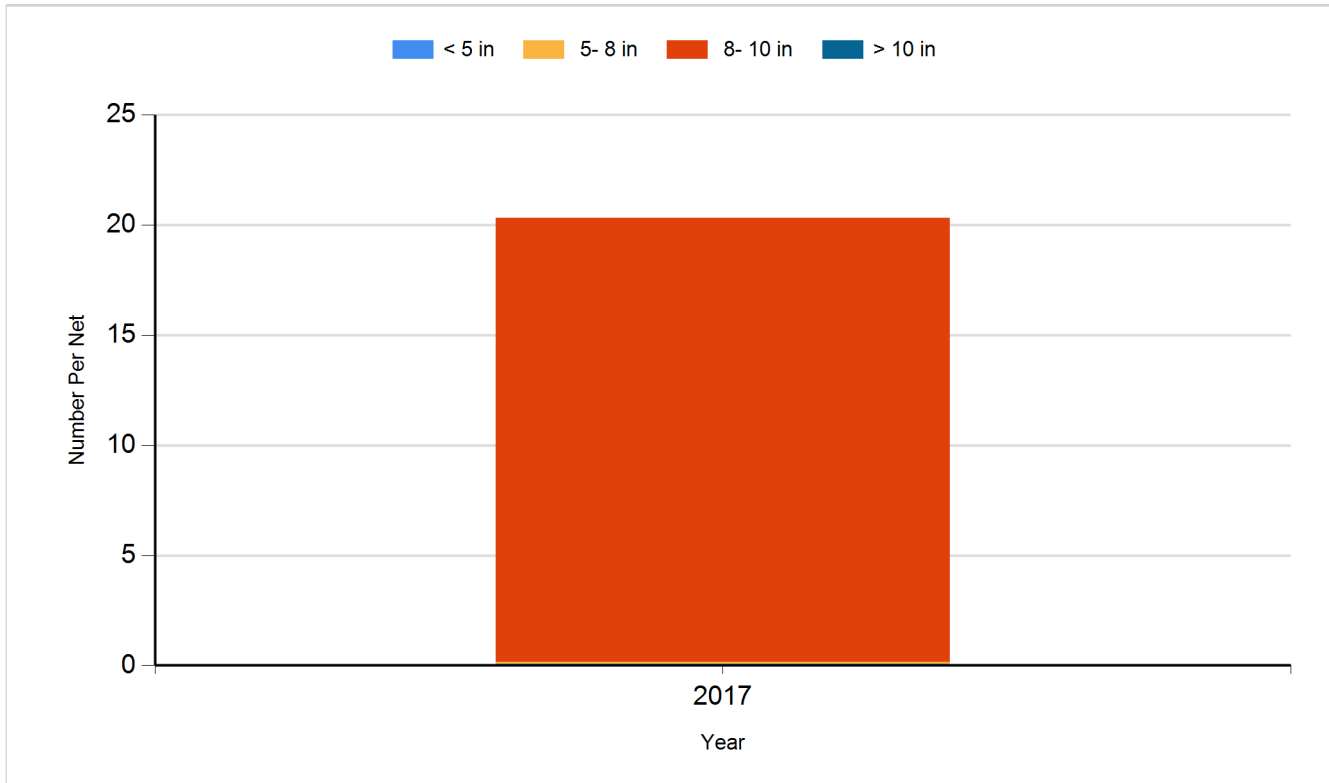
Species: White Crappie  
Gear: frame net (std 3/4 in)



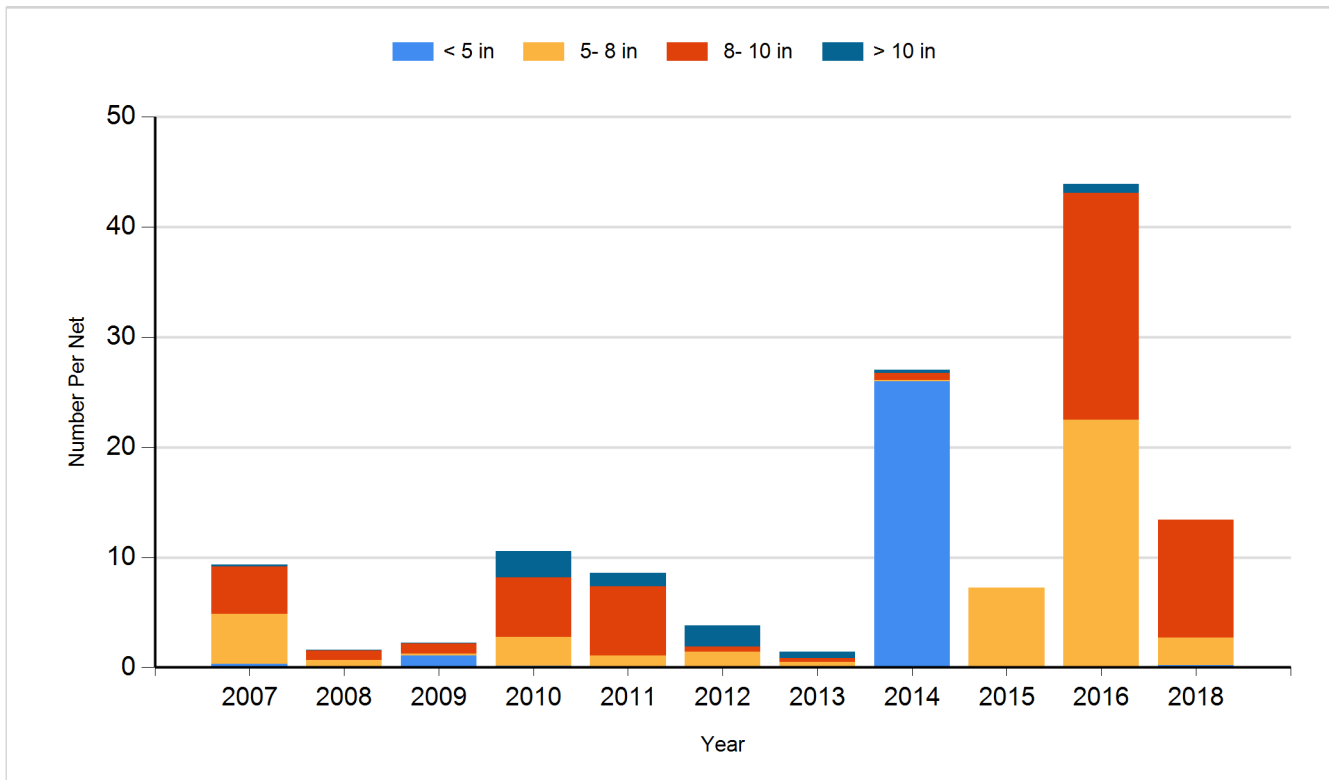
## Historic Fish Sizes and Relative Abundance

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

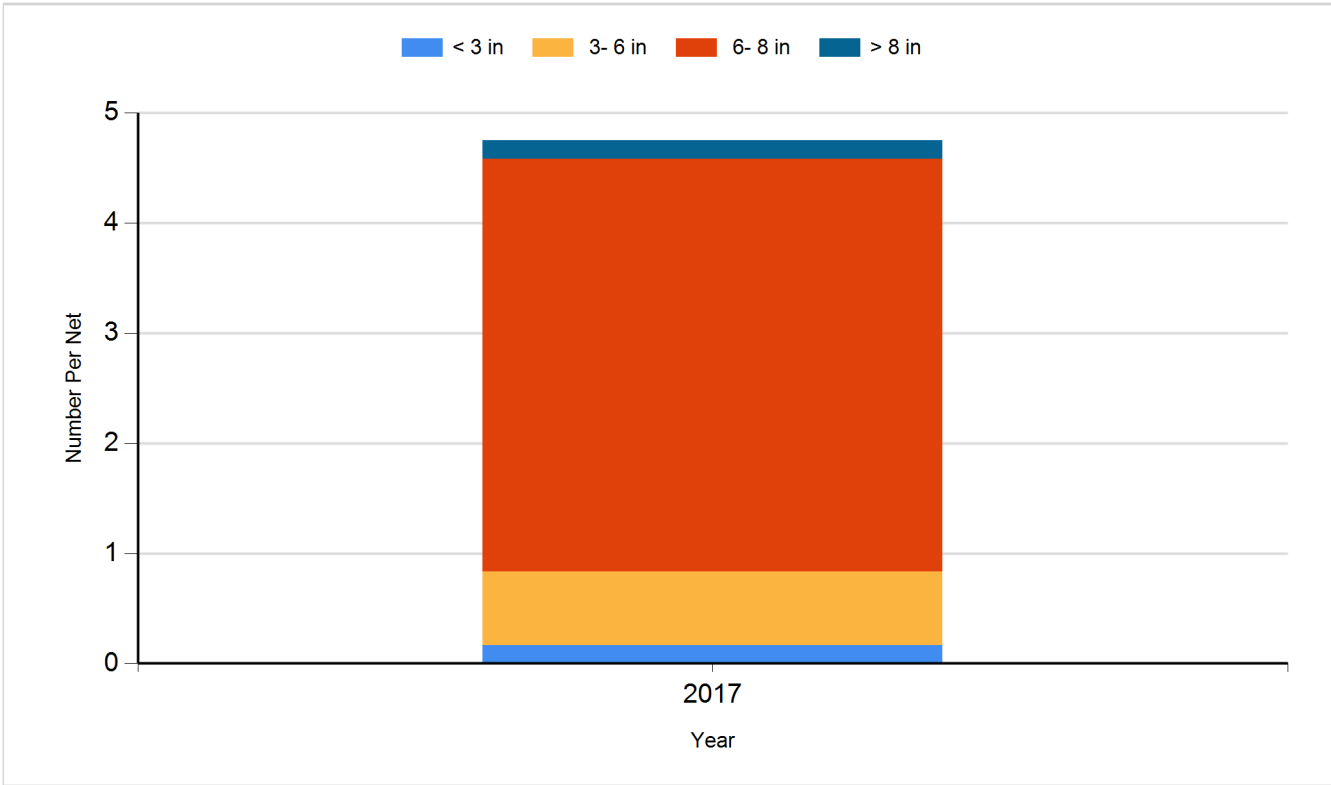
Species: Black Crappie  
Gear: AFS std frame net



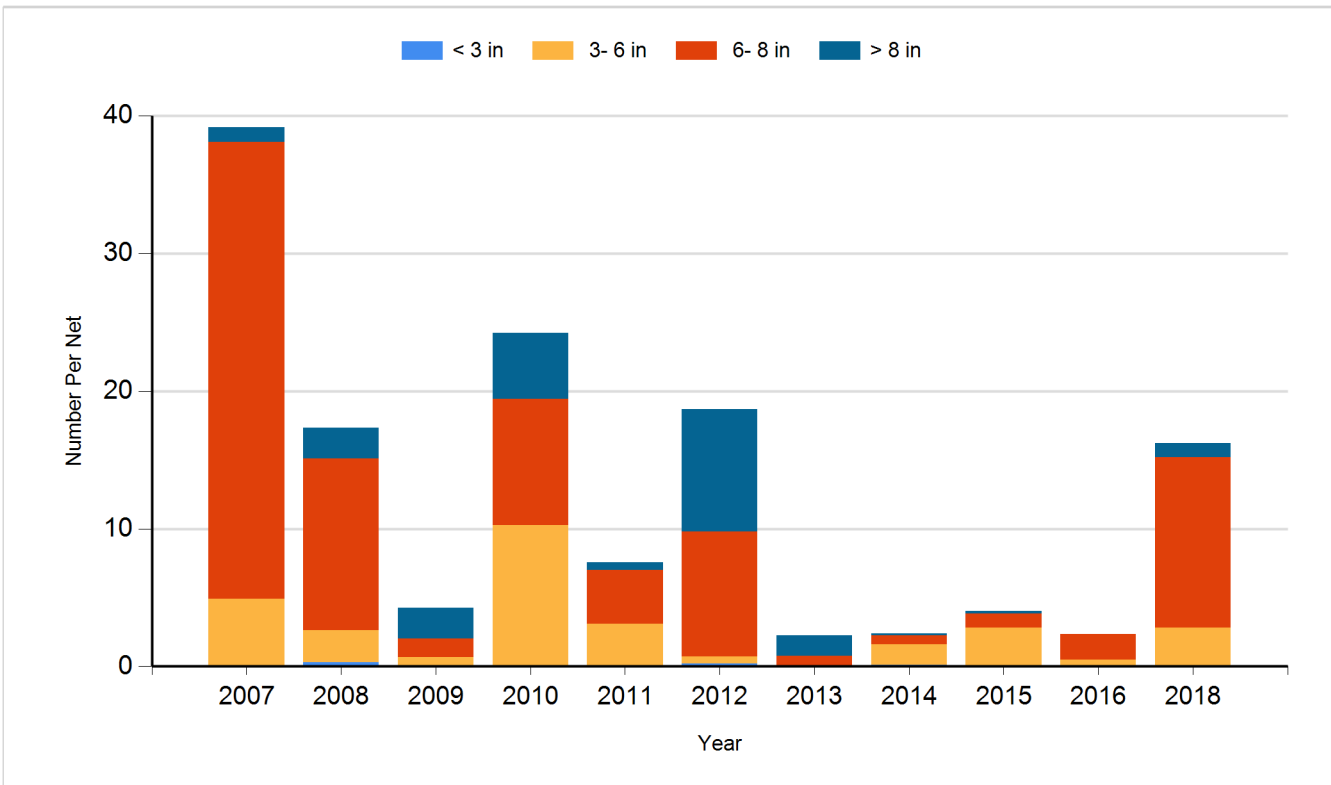
Species: Black Crappie  
Gear: frame net (std 3/4 in)



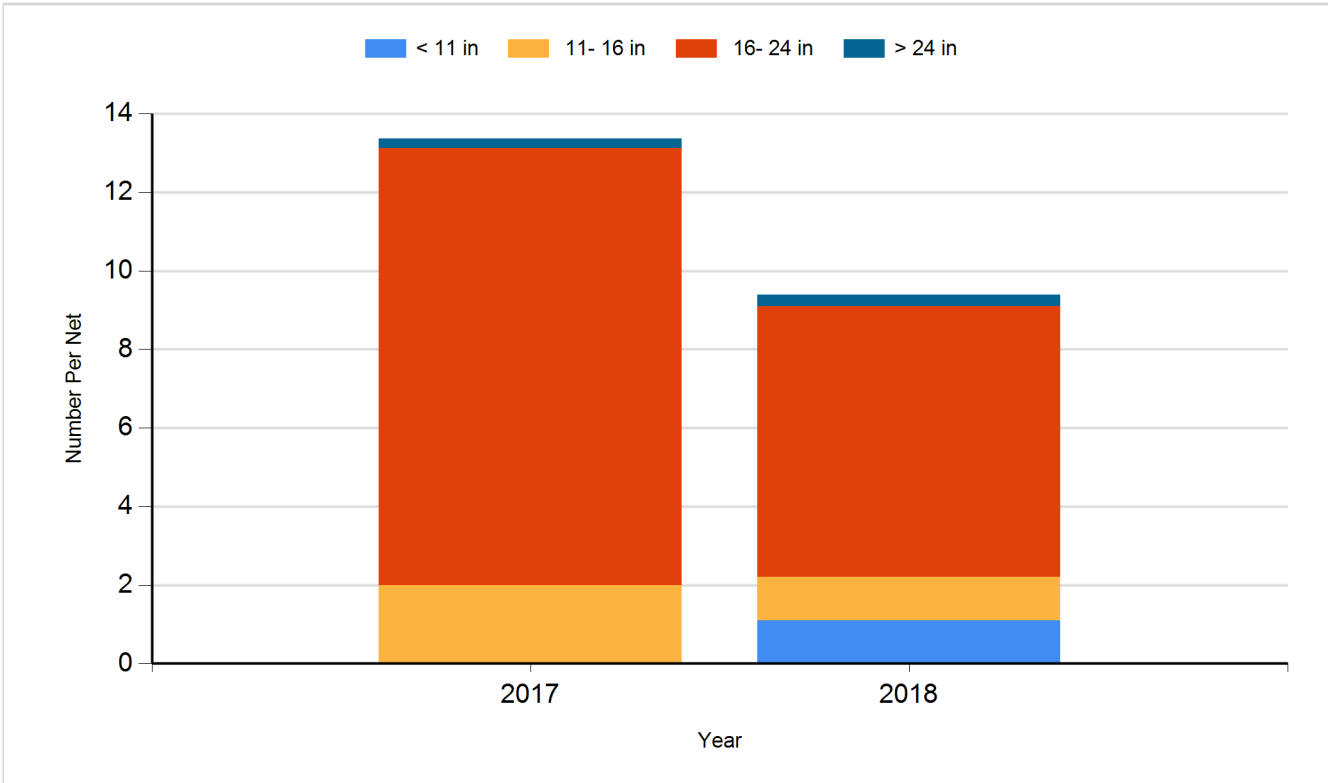
Species: Bluegill  
Gear: AFS std frame net



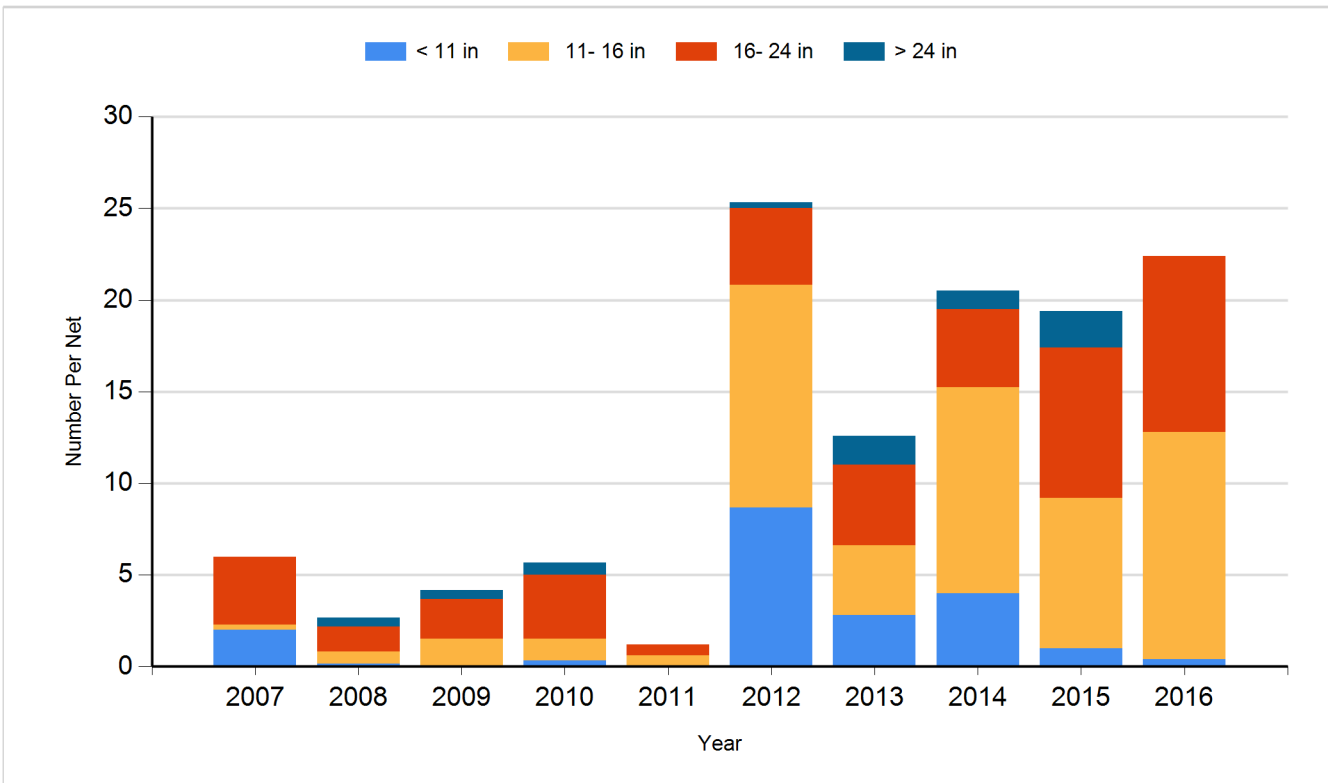
Species: Bluegill  
Gear: frame net (std 3/4 in)



Species: Channel Catfish  
Gear: AFS std gill net

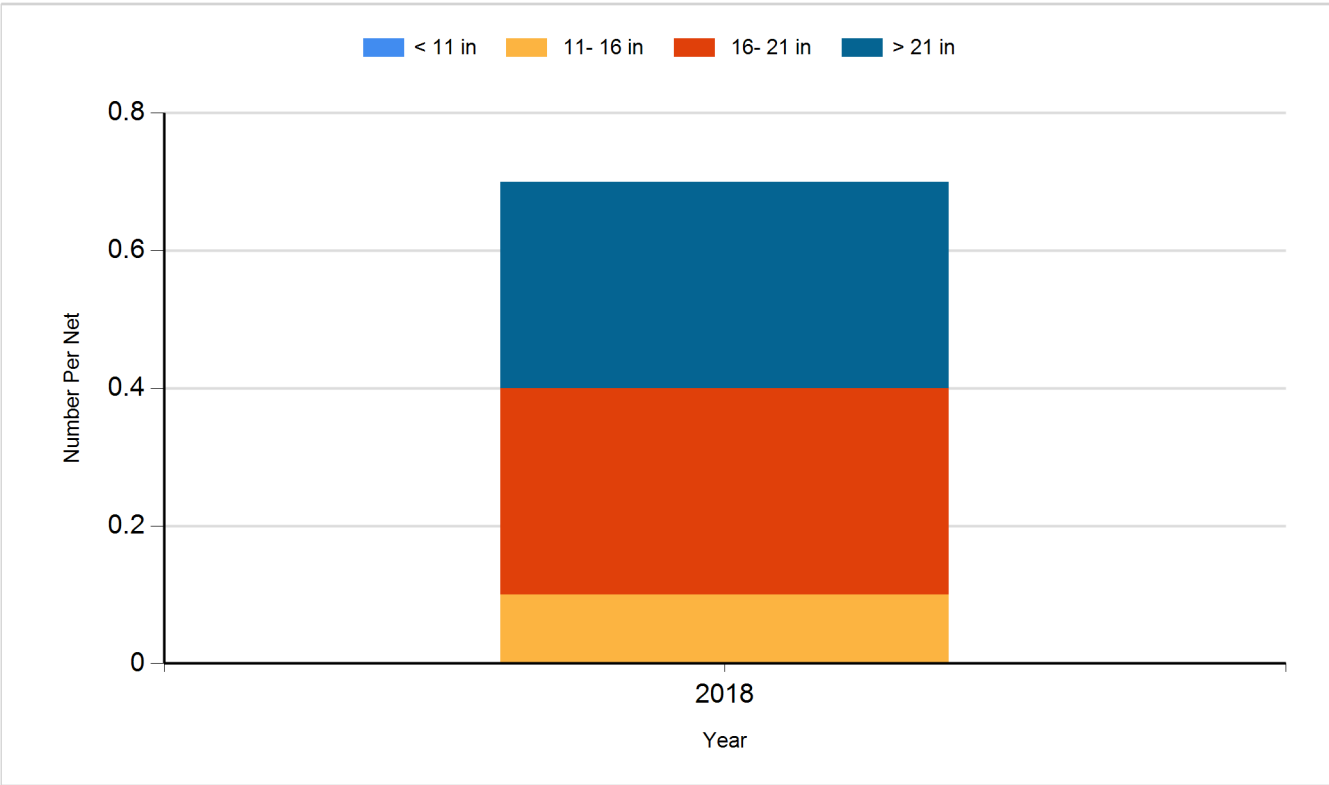


Species: Channel Catfish  
Gear: std exp gill net

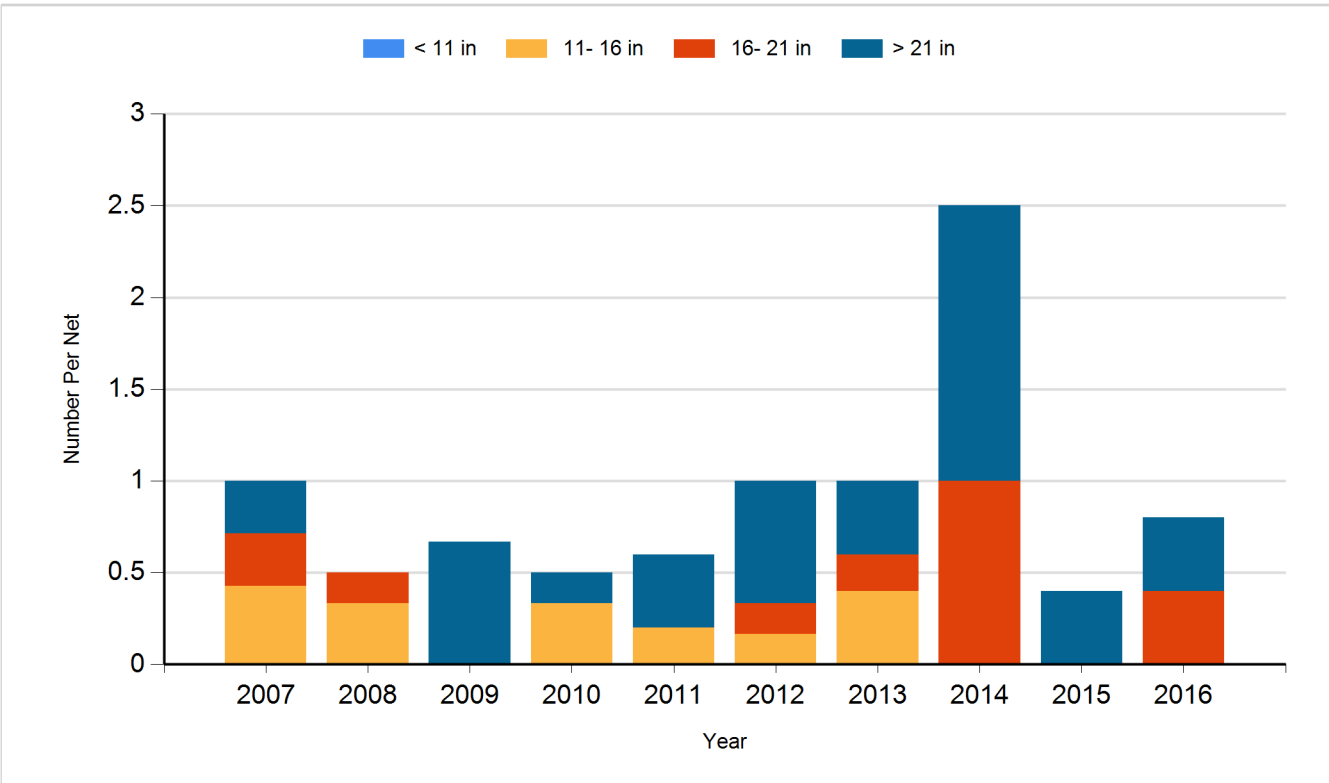




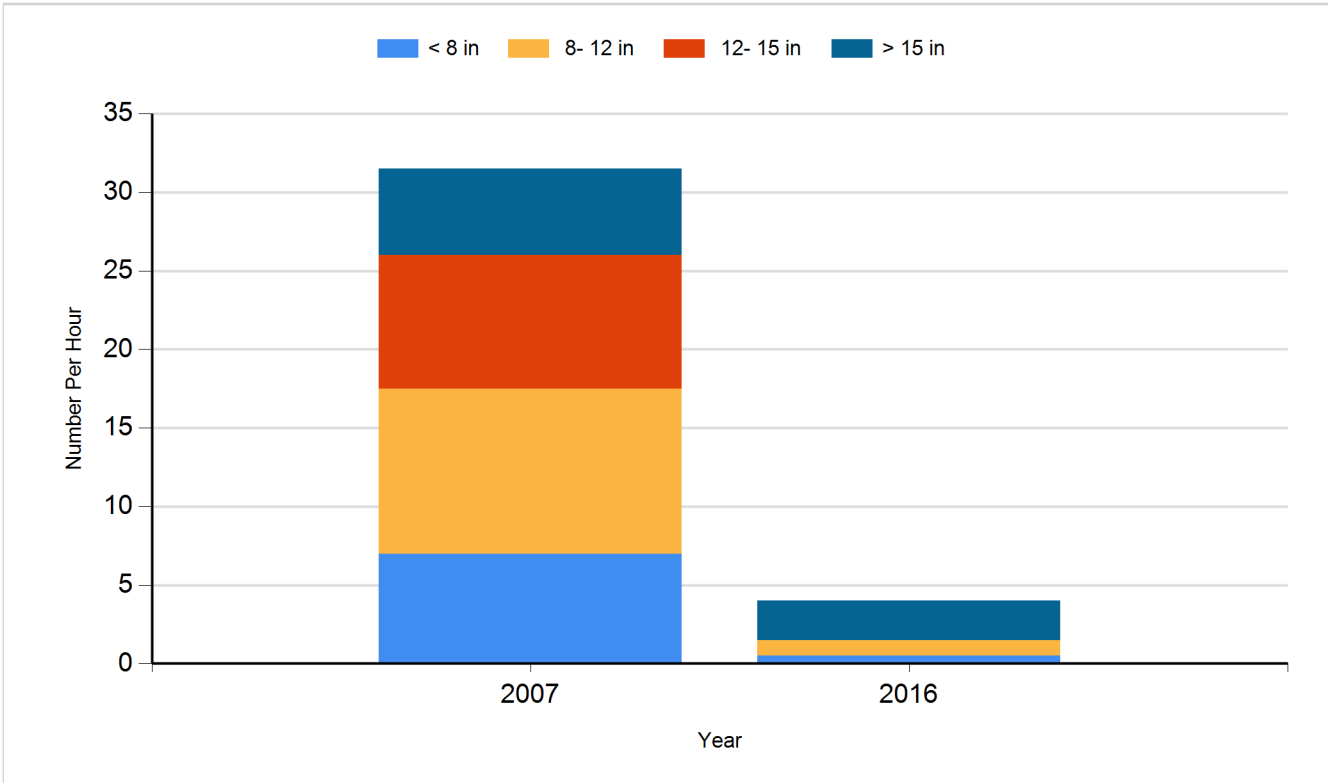
Species: Common Carp  
Gear: AFS std gill net



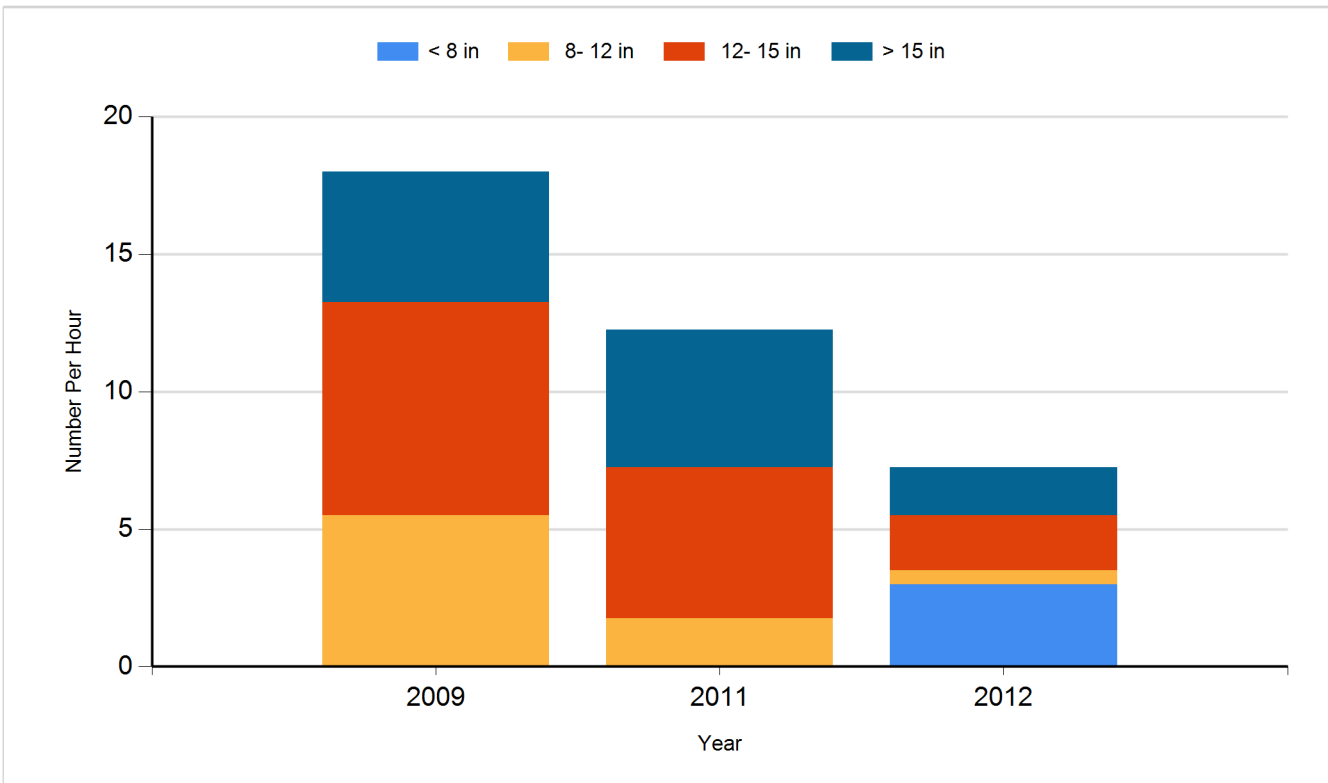
Species: Common Carp  
Gear: std exp gill net



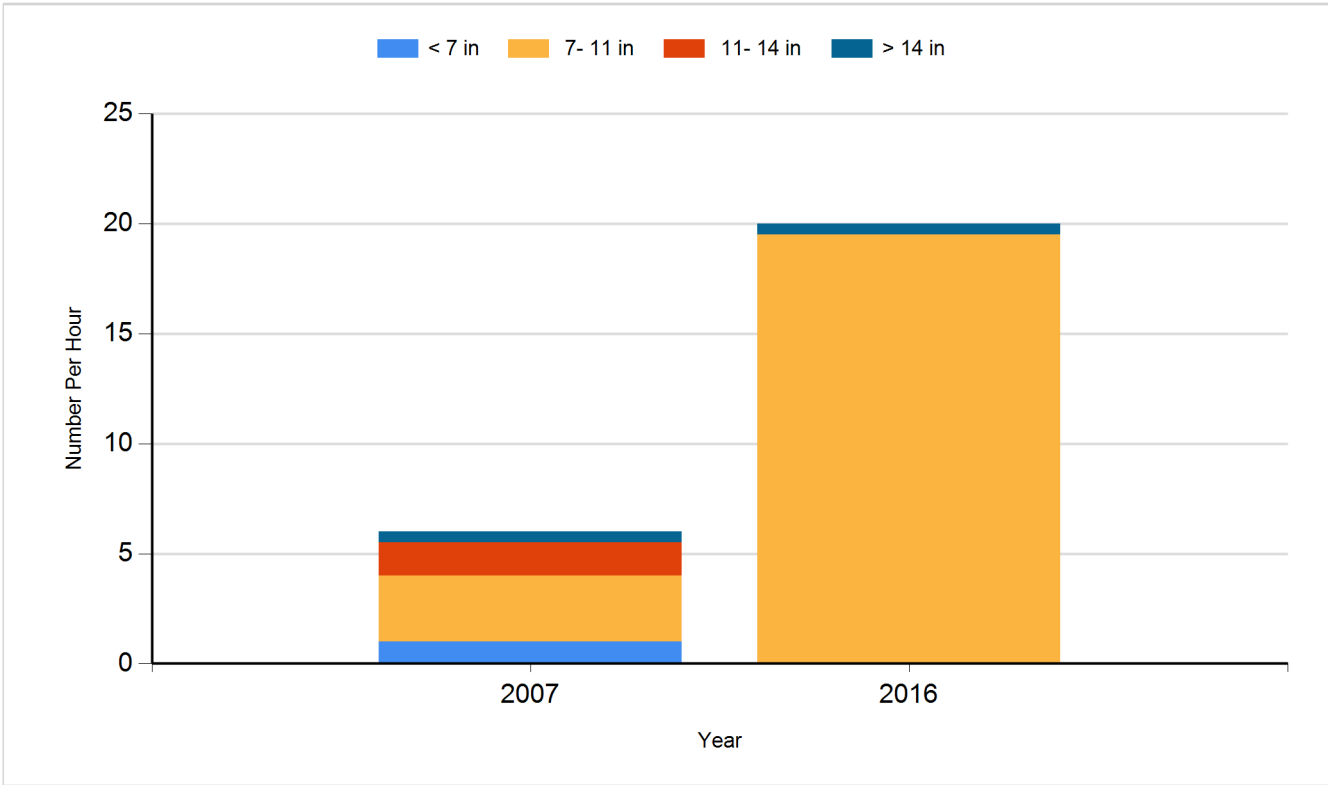
Species: Largemouth Bass  
Gear: boat shocker (night)



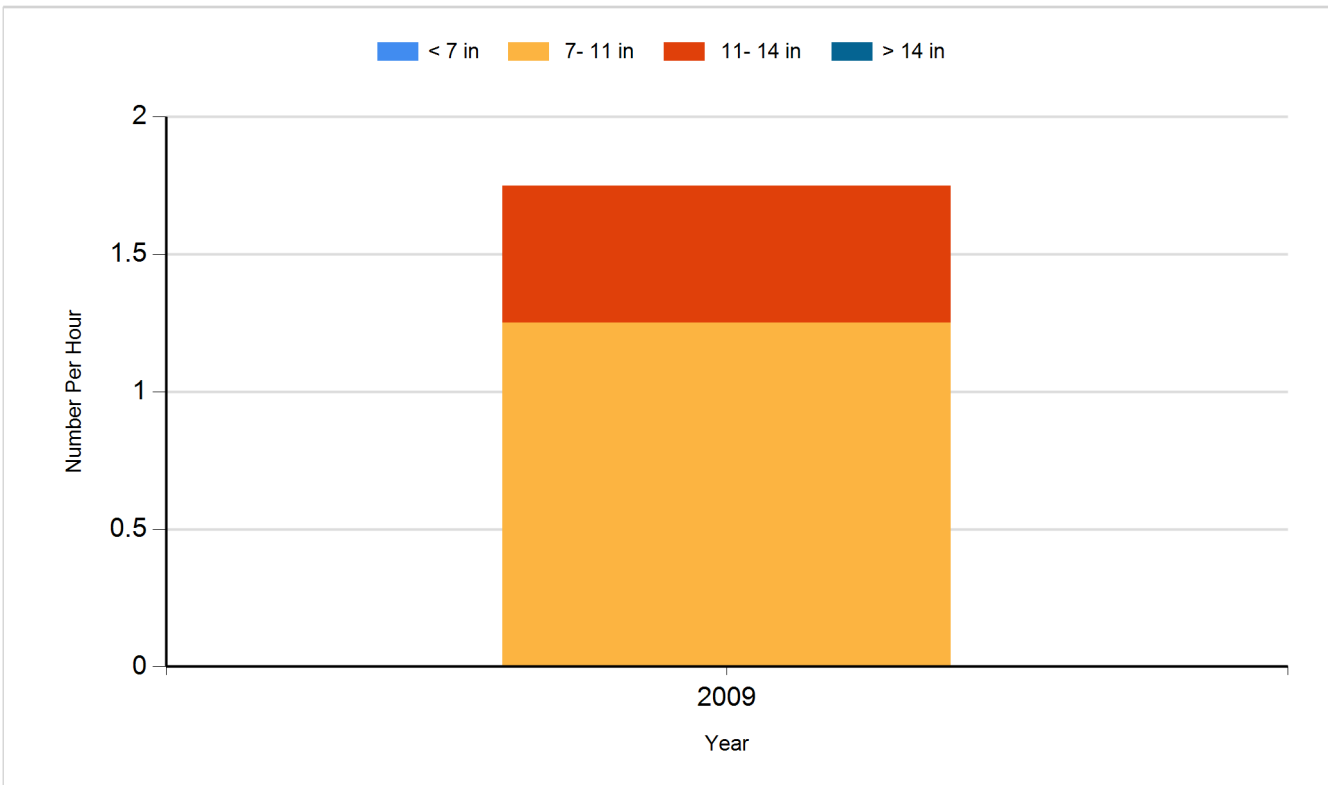
Species: Largemouth Bass  
Gear: fall night EF-WAE



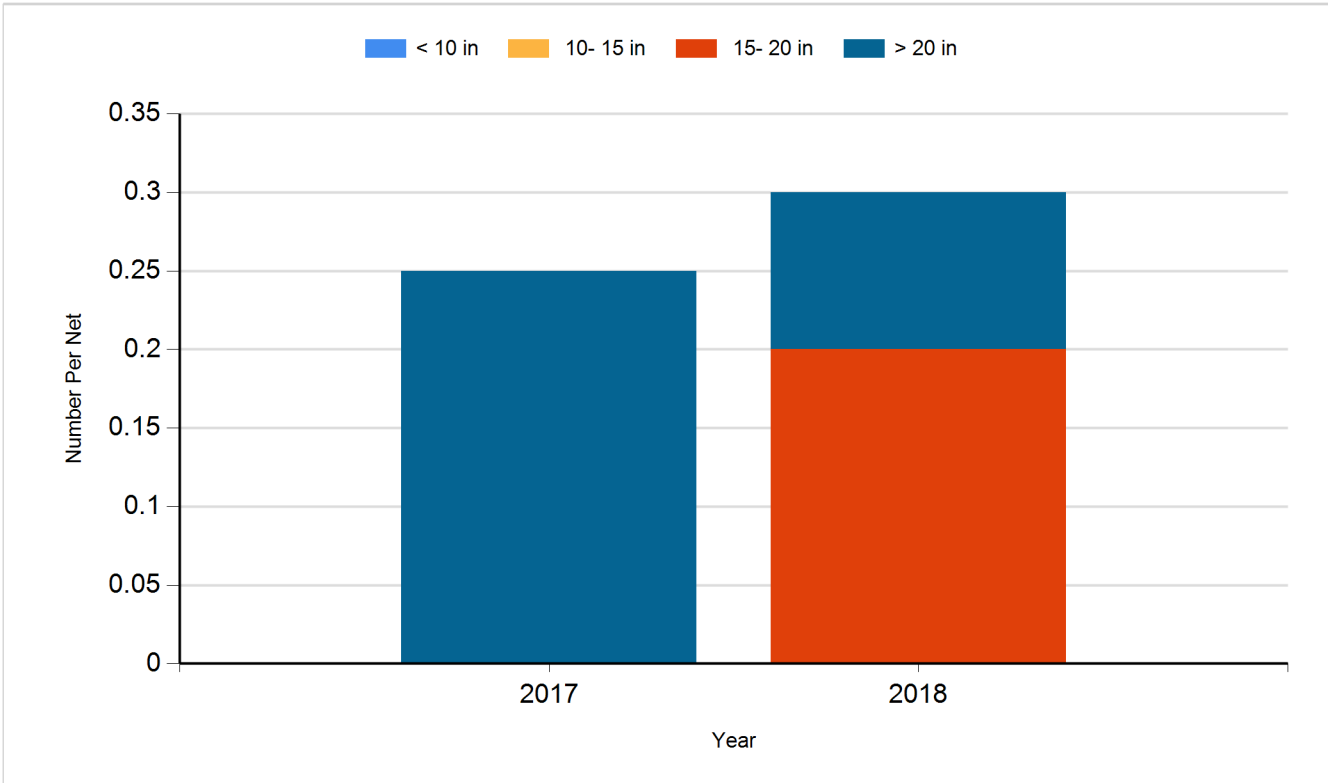
Species: Smallmouth Bass  
Gear: boat shocker (night)



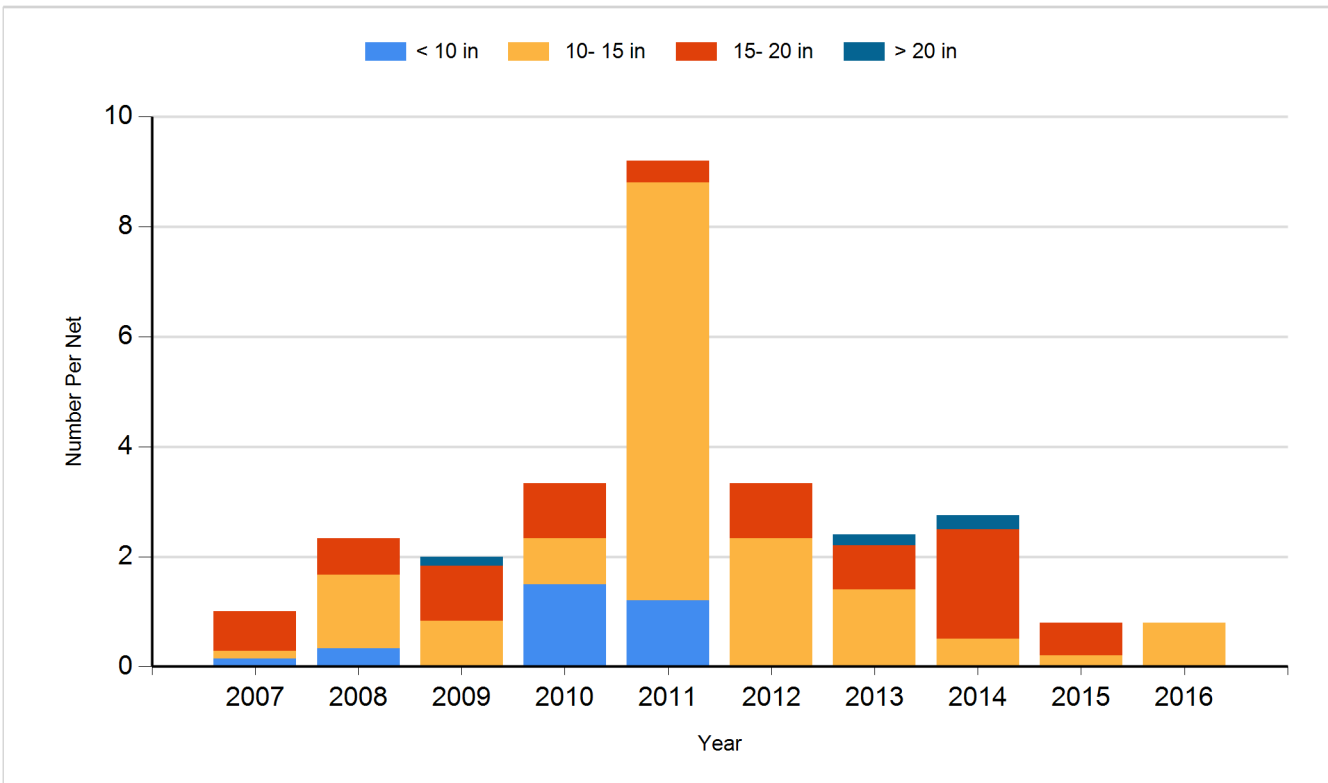
Species: Smallmouth Bass  
Gear: fall night EF-WAE



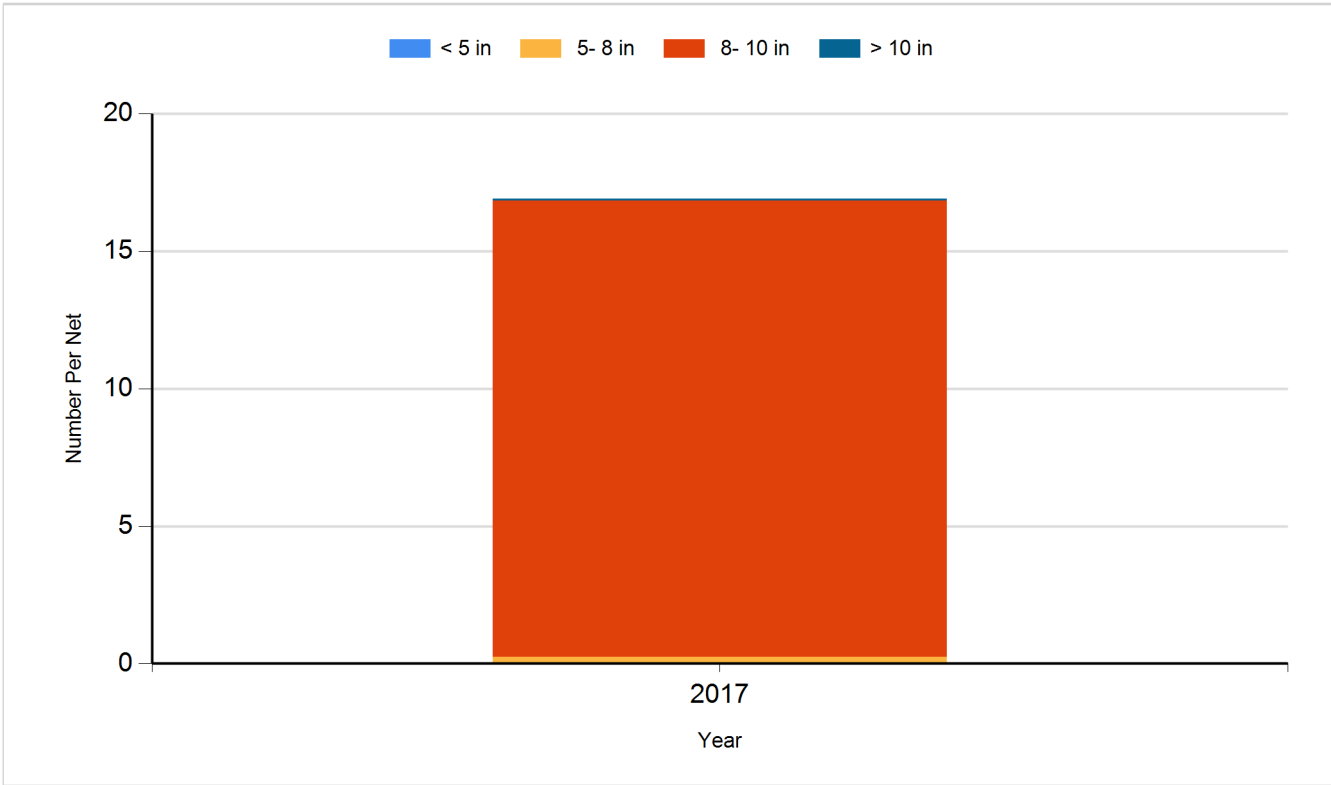
Species: Walleye  
Gear: AFS std gill net



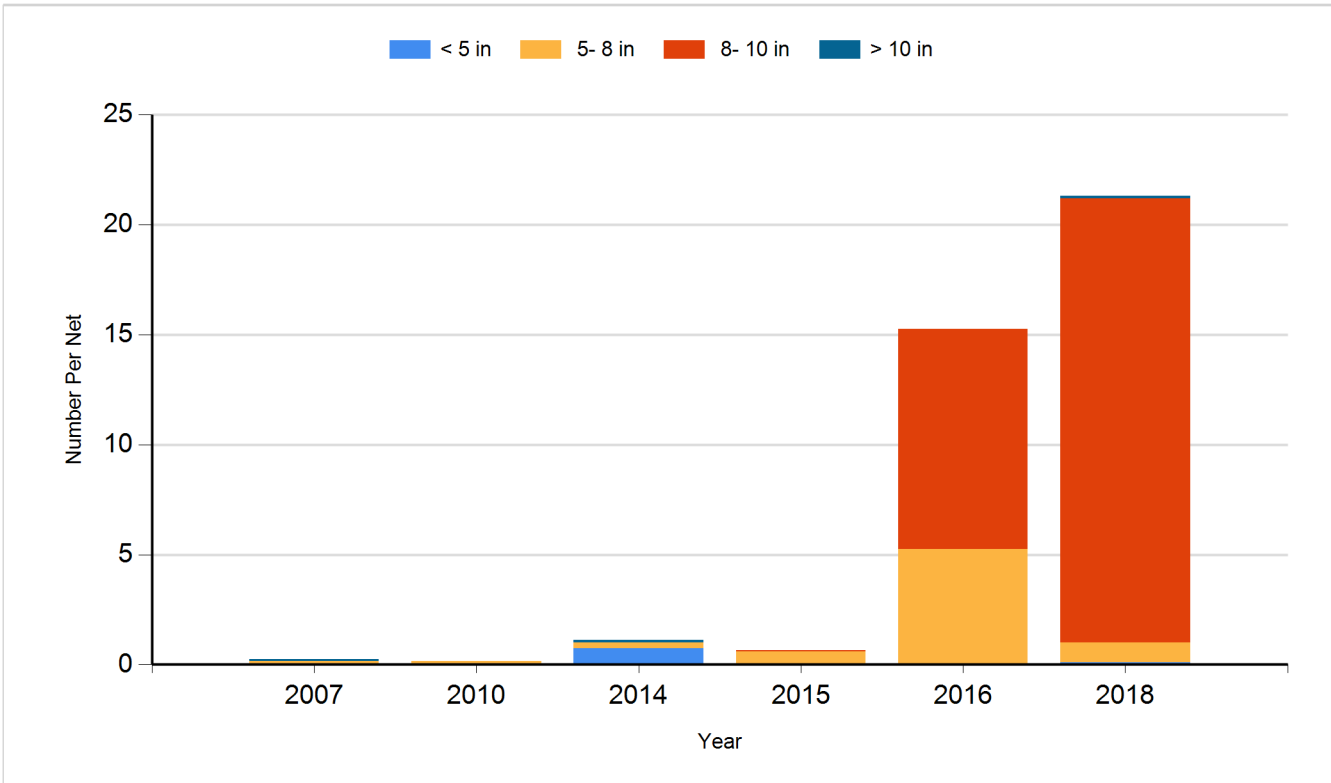
Species: Walleye  
Gear: std exp gill net



Species: White Crappie  
Gear: AFS std frame net



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



## **Fish Stocking**

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

Year	Species	Size	Number
2007	Walleye	Large Fingerling	5,192
2009	Walleye	Small Fingerling	67,500
2012	Walleye	Small Fingerling	67,340
2013	Walleye	Small Fingerling	32,080
2015	Walleye	Small Fingerling	52,698
2016	Walleye	Small Fingerling	48,020
2017	Walleye	Fingerling	59,000
2018	Walleye	Small	47,040