

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Curlew, Meade County

MCE-Lake-6-000

2018

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 21, 2018	4 net-nights
boat shocker (night)	Sep 11, 2018	3480 seconds
frame net (std 3/4 in)	May 22, 2018	10 net-nights

Common Fish Species Present

Walleye

Largemouth Bass

Gizzard Shad

Black Crappie

Black Bullhead

Smallmouth Bass

Channel Catfish

Yellow Perch

Bluegill

Common Carp

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	2	0.5	0.5	50		0		120	35
	Black Crappie	8	2.0	0.7	88		25		109	5
	Channel Catfish	13	2.8	0.8	0		0		94	3
	Common Carp	10	0.3	0.4	100		0		76	
	Gizzard Shad	20	3.0	2.4	92				104	2
	Walleye	22	5.5	1.9	18		18		97	2
	Yellow Perch	10	2.5	1.6	0		0		92	3
boat shocker (night)	Largemouth Bass	55	20.8	12.2	100		20		117	2
	Smallmouth Bass	7	7.5	11.1	17		17		109	1
	Walleye*	107	113.3	35.5	38	9	12	6	95	1
frame net (std 3/4 in)	Black Bullhead	124	12.3	4.9	3		0		80	1
	Black Crappie	291	28.9	9.9	19	3	1		92	1
	Bluegill	8	0.8	0.5	13		0		103	9
	Channel Catfish	9	0.2	0.2	50		0		104	7
	Common Carp	1	0.0	0.0	0		0			
	Gizzard Shad	93	9.3	5.3	0				75	1
	Golden Shiner	2	0.0	0.0						
	Northern Pike	1	0.1	0.1	100		0		93	
	Walleye	48	4.6	1.4	89	7	43	11	86	1
	Yellow Perch	5	0.5	0.5	0		0		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.

Gear	Species	CPUE										Avg
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
AFS std frame net	Black Bullhead									3.3		3.3
	Black Crappie									10.7		10.7
	Bluegill									4.5		4.5
	Common Carp									0.1		0.1
	Gizzard Shad									49.4		49.4
	Walleye									0.2		0.2
	White Sucker									0.9		0.9
AFS std gill net	Black Bullhead									1.3	0.5	0.9
	Black Crappie									3.8	2.0	2.9
	Channel Catfish									2.0	2.8	2.4
	Common Carp									1.0	0.3	0.7
	Gizzard Shad									20.3	3.0	11.7
	Walleye									0.8	5.5	3.2
	Yellow Perch										2.5	2.5
boat shocker (day)	Largemouth Bass			15.5								15.5
boat shocker (night)	Largemouth Bass				40.6		16.9	40.8	85.0	40.8	20.8	40.8
	Smallmouth Bass						1.2	9.6	5.0	2.4	7.5	5.1
	Walleye				67.2		158.6	32.4	105.0	66.0	113.3	90.4
frame net (std 3/4 in)	Black Bullhead	13.5	37.2	185.5	59.8	65.9	56.5	82.9	31.2		12.3	60.5
	Black Crappie	16.3	19.7	57.5	61.0	87.5	39.3	48.0	48.9		28.9	45.2
	Bluegill				0.9	0.5	2.0	2.6	5.0		0.8	2.0
	Channel Catfish		0.2	1.6			0.0	0.4	0.6		0.2	0.5
	Common Carp	0.3	2.5	3.1	0.1	0.1	0.0	1.0	0.1		0.0	0.8
	Gizzard Shad							0.0	2.3		9.3	3.9
	Golden Shiner		0.0			0.0		0.0	0.0		0.0	0.0
	Green Sunfish		0.2									0.2
	Largemouth Bass		0.2	0.4								0.3
	Northern Pike	0.3	0.5	0.3	0.5			0.1			0.1	0.3
	Walleye		0.0	0.1	0.5	0.0	0.8	0.3	0.3		4.6	0.8
	White Sucker	0.3	0.3	0.1			0.1	0.4				0.2
	Yellow Perch	0.5	0.3	0.6	0.8	3.0	0.3	0.5	2.0		0.5	0.9
rod and reel	Black Crappie									225.0		225.0
std exp gill net	Black Bullhead		0.5		3.0	3.1	0.5	23.0	13.5			7.3
	Black Crappie	0.0			2.0	2.9	17.0	3.5	5.0			5.1

		CPUE											
Gear	Species	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Avg	
std exp gill net	Channel Catfish				2.5	0.4	1.5	0.5	6.5			2.3	
	Common Carp	0.0			4.5	0.1	0.5	0.5				1.1	
	Gizzard Shad					0.0	1.5	32.0	25.5			14.8	
	Golden Shiner					0.0						0.0	
	Largemouth Bass					0.0		1.0	1.5			0.8	
	Northern Pike				3.5	0.9	0.5	2.5	0.5			1.6	
	Smallmouth Bass							0.5				0.5	
	Walleye	0.0	0.0		4.5	6.9	17.0	7.5	11.5				6.8
	White Sucker				0.5								0.5
	Yellow Perch	0.5	0.5			1.1	4.5	3.0					1.9

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											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
		PSD-P										0	0
		Wr										74	120
	Black Crappie	PSD										7	88
		PSD-P										0	25
		Wr										101	109
	Channel Catfish	PSD										38	0
		PSD-P										0	0
		Wr										83	94
	Common Carp	PSD										25	100
		PSD-P										0	0
		Wr										82	76
	Gizzard Shad	PSD										6	92
		Wr										87	104
	Walleye	PSD										100	18
PSD-P											33	18	

Gear	Species	Index	Year										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
AFS std gill net	Walleye	Wr										79	97
	Yellow Perch	PSD											0
		PSD-P											0
		Wr											92
boat shocker (day)	Largemouth Bass	PSD				38							
		PSD-P				13							
		Wr				112							
boat shocker (night)	Largemouth Bass	PSD				42		36	32	11	21	100	
		PSD-P				10		7	3	5	12	20	
		Wr				115		115	105	101	108	117	
	Smallmouth Bass	PSD						100	13	0	0	17	
		PSD-P						0	0	0	0	17	
		Wr						109	92	96	101	109	
	Walleye	PSD				7		32	100	74	67	38	
		PSD-P				0		3	26	22	21	12	
		Wr				86		100	98	90	92	95	
	frame net (std 3/4 in)	Black Bullhead	PSD	9	5	4	3	1	2	2	18		3
			PSD-P	0	0	0	0	0	0	0	0	0	0
			Wr	84	77	94	86	82	70	76	78		80
Black Crappie		PSD	38	34	31	42	59	52	80	91		19	
		PSD-P	2	2	2	0	8	35	8	25		1	
		Wr	101	94	102	103	103	90	91	97		92	
Bluegill		PSD				86	25	6	67	36		13	
		PSD-P				43	0	0	0	0		0	
		Wr				103	107	99	106	99		103	
Channel Catfish		PSD		100	100			0	33	33		50	
		PSD-P		100	0			0	0	0		0	
		Wr		89	89				100	105		104	
Common Carp		PSD	50	33	28	100	100	0	75	0		0	
		PSD-P	0	20	16	100	0	0	13	0		0	
		Wr	90	85	92	74	92		81	81			
Gizzard Shad		PSD							0	0		0	
		Wr										75	
Largemouth Bass		PSD		0	67								
		PSD-P		0	33								
		Wr		104	114								

Gear	Species	Index	Year									
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
frame net (std 3/4 in)	Walleye	PSD		0	100	0	0	100	50	100		89
		PSD-P		0	100	0	0	17	50	33		43
		Wr				82		85	107	94		86
	Yellow Perch	PSD	33	50	20	100	67	50	0	5		0
		PSD-P	0	0	0	0	0	50	0	0		0
		Wr	81	78	88	81	80	74	79	69		97
rod and reel	Black Crappie	PSD										96
		PSD-P										22
std exp gill net	Black Bullhead	PSD		100		0	0	0	11	0		
		PSD-P		0		0	0	0	0	0		
		Wr		73		78	81	80	88	81		
	Black Crappie	PSD	0			75	0	3	86	60		
		PSD-P	0			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	0			67	100	100	100			
		PSD-P	0			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			
		Wr							75			
	Walleye	PSD	0	0		22	69	59	87	87		
PSD-P		0	0		11	0	0	20	43			
Wr					81	94	84	89	90			
Yellow Perch	PSD	0	0			11	11	0				
	PSD-P	0	0			0	0	0				
	Wr	90	79			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)					
2011	916		145 (28)	186 (664)	209 (128)	223 (79)	247 (19)				
2010	238	106 (2)	165 (130)	197 (27)	208 (74)	234 (2)	261 (4)				

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+
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).

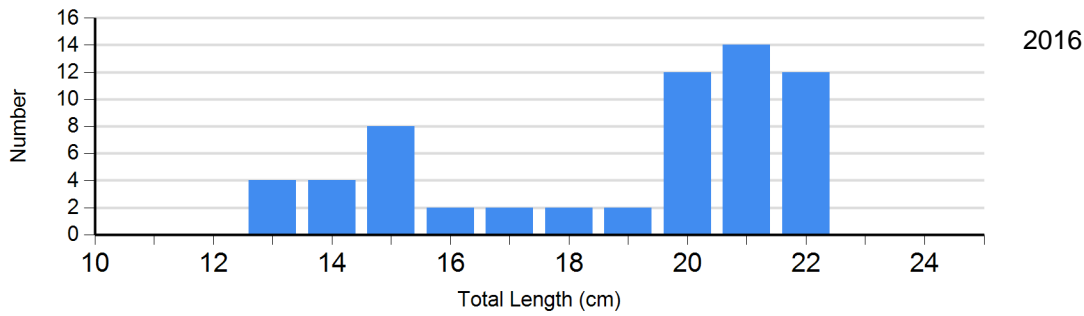
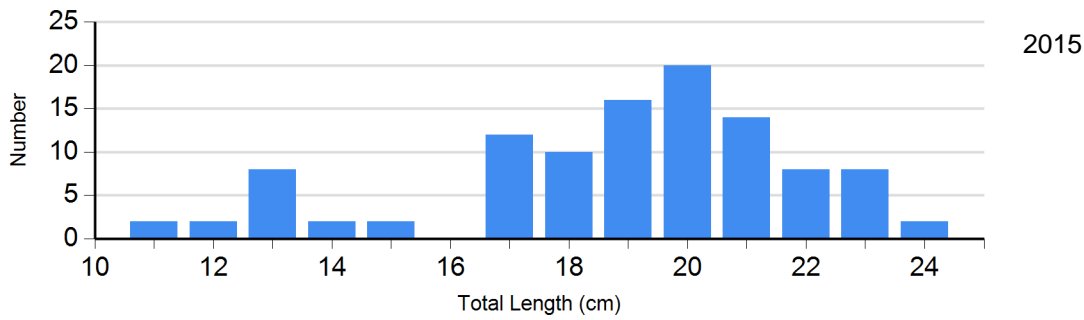
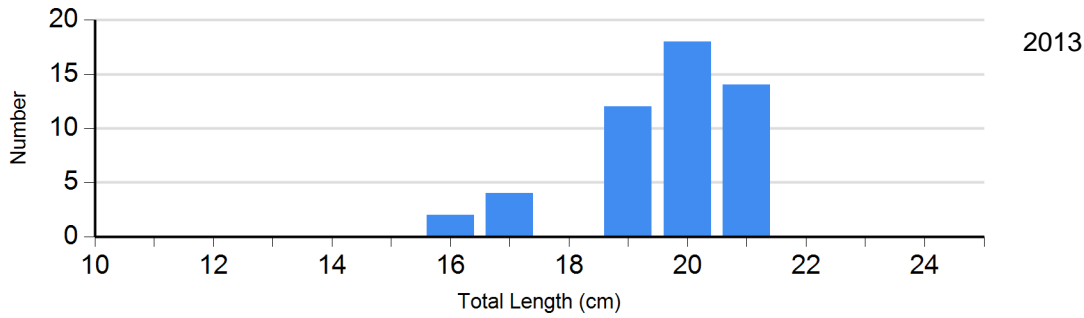
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Bullhead Gill Net	2014	2	80 (0.0)	0		0		0	
	2015	82	88 (1.1)	10	91 (5.7)	0		0	
	2016	54	81 (1.7)	0		0		0	
	2017	5	74 (2.2)	0		0		0	
	2018	1	93	1	147	0		0	
Black Crappie Frame Net	2014	302	92 (0.5)	106	85 (0.6)	220	87 (0.4)	0	
	2015	156	85 (0.7)	548	89 (0.6)	64	107 (1.0)	0	
	2016	90	87 (1.0)	640	97 (0.6)	232	103 (0.5)	16	105 (1.3)
	2017	8	99 (5.3)	70	98 (0.8)	29	91 (1.3)	0	
	2018	234	93 (0.4)	52	84 (0.8)	3	84 (2.0)	0	
Bluegill Frame Net	2014	30	100 (2.3)	2	88 (0.0)	0		0	
	2015	14	110 (1.8)	28	105 (1.0)	0		0	
	2016	64	99 (2.3)	36	99 (2.8)	0		0	
	2017	28	118 (3.4)	17	108 (7.5)	0		0	
	2018	7	107 (6.7)	1	80	0		0	
Channel Catfish Gill Net	2014	0		4	101 (2.2)	2	103 (0.0)	0	
	2015	0		2	90 (0.0)	0		0	
	2016	10	79 (1.6)	14	86 (1.0)	0		2	113 (0.0)
	2017	5	81 (2.7)	3	87 (4.9)	0		0	
	2018	11	94 (2.1)	0		0		0	
Common Carp Gill Net	2014	0		0		2		0	
	2015	0		2	80 (0.0)	0		0	
	2017	3	84 (4.0)	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	2018	0		1	76	0		0	
Largemouth Bass Electro Fishing	2014	18	118 (2.5)	8	109 (2.5)	2	107 (0.0)	0	
	2015	46	102 (1.5)	20	109 (1.7)	2	110 (0.0)	0	
	2016	152	100 (0.5)	10	101 (1.9)	8	101 (4.5)	0	
	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	
Smallmouth Bass Electro Fishing	2014	0		2	109 (0.0)	0		0	
	2015	14	92 (1.3)	2	91 (0.0)	0		0	
	2016	10	96 (3.4)	0		0		0	
	2017	2	101 (10.6)	0		0		0	
	2018	5	110 (0.6)	0		1	106	0	
Walleye Gill Net	2014	28	84 (1.2)	40	85 (1.0)	0		0	
	2015	4	87 (1.0)	20	89 (1.5)	6	91 (5.0)	0	
	2016	6	84 (2.0)	20	92 (1.4)	20	89 (1.3)	0	
	2017	0		2	77 (1.4)	1	84	0	
	2018	18	98 (2.2)	0		4	96 (3.0)	0	
Yellow Perch Gill Net	2014	16	79 (1.9)	2	67 (0.0)	0		0	
	2015	12	77 (1.9)	0		0		0	
	2018	10	92 (2.2)	0		0		0	

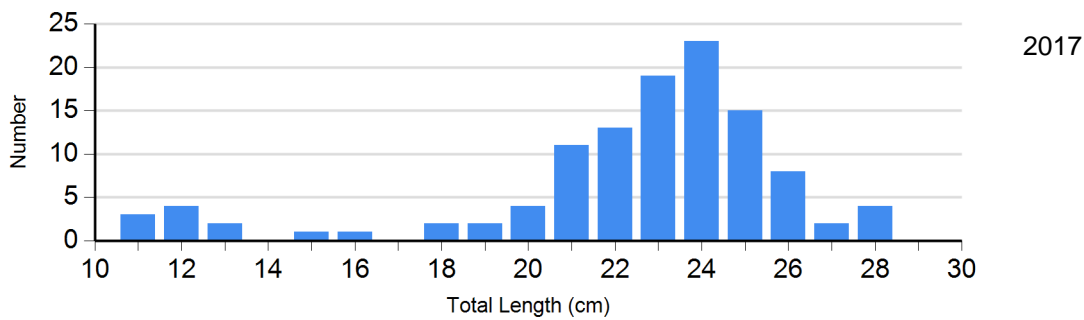
Length Frequency Distribution

Length frequency histogram of species sampled by year.

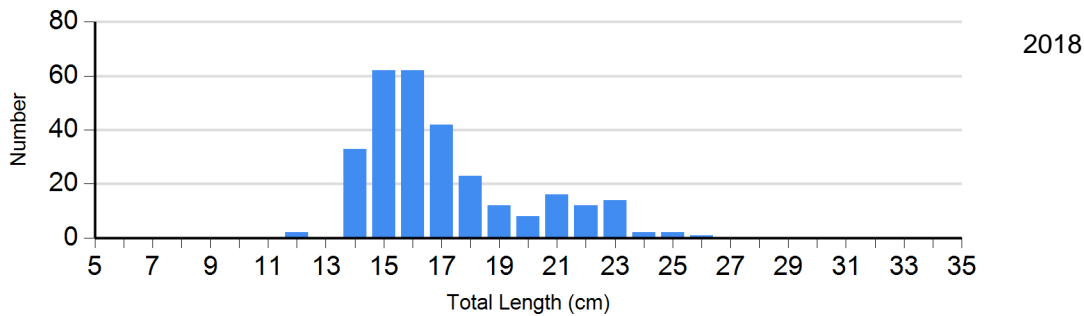
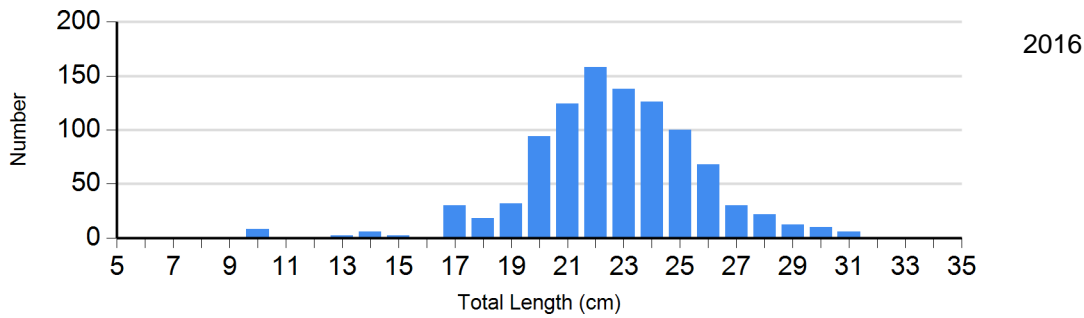
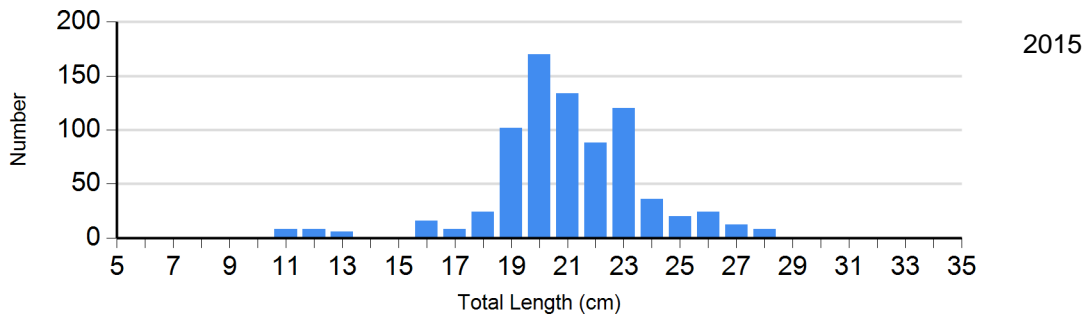
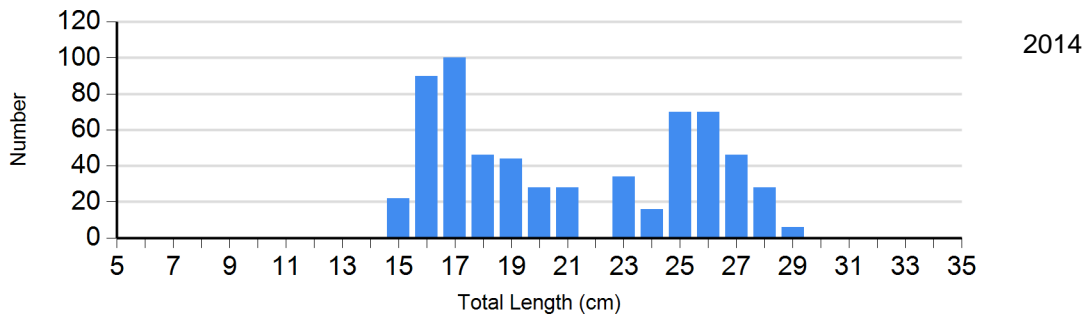
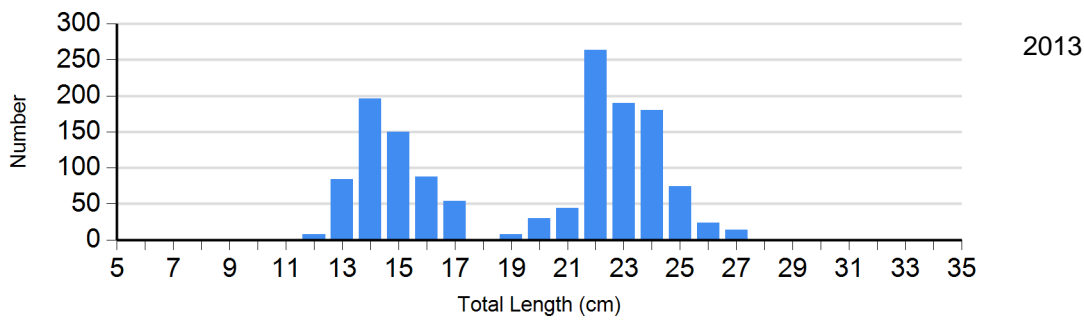
Species: Black Bullhead
Gear: std exp gill net



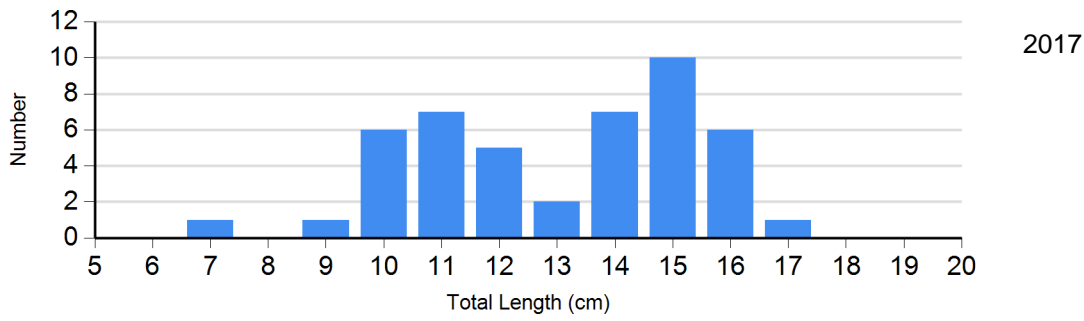
Species: Black Crappie
Gear: AFS std frame net



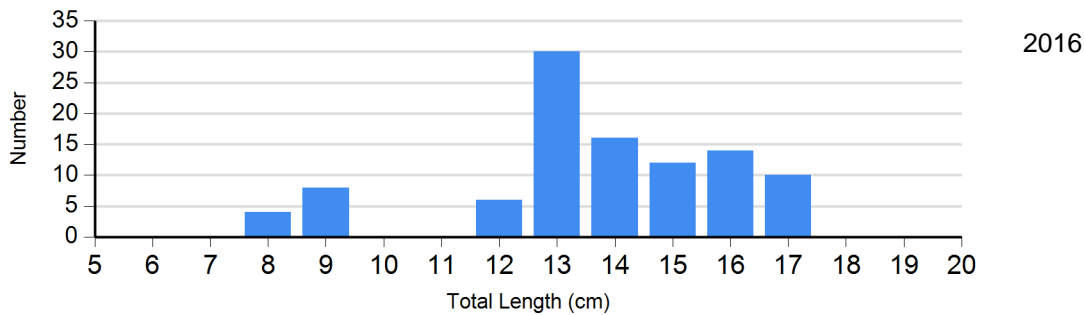
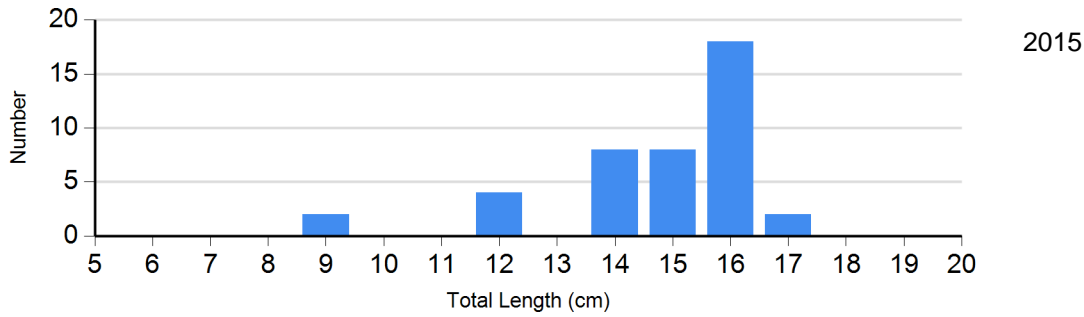
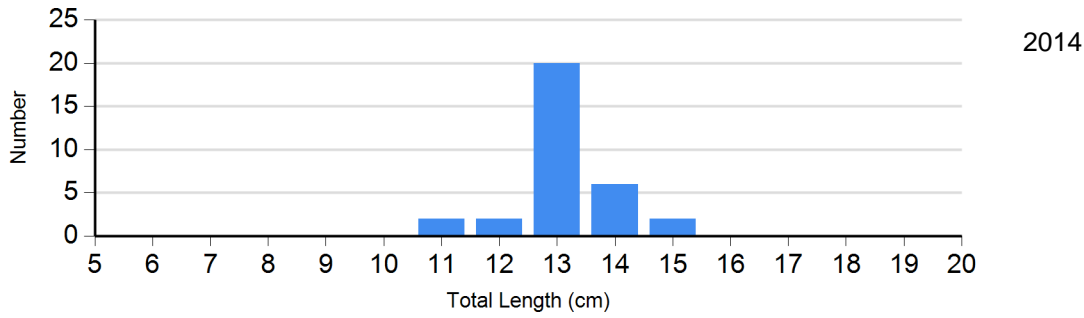
Species: Black Crappie
Gear: frame net (std 3/4 in)



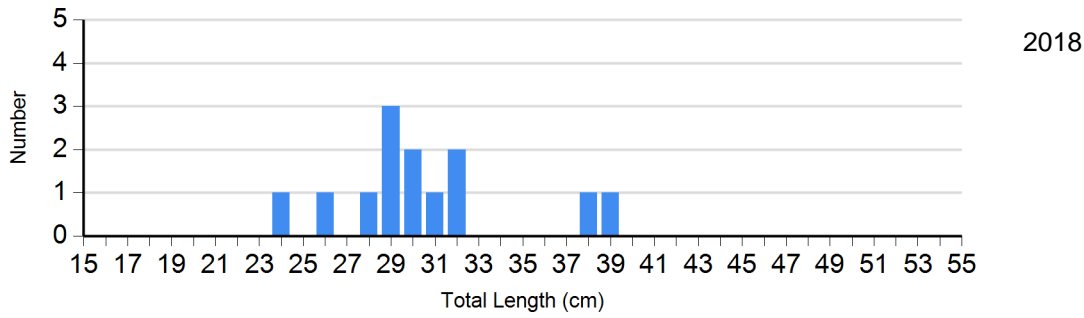
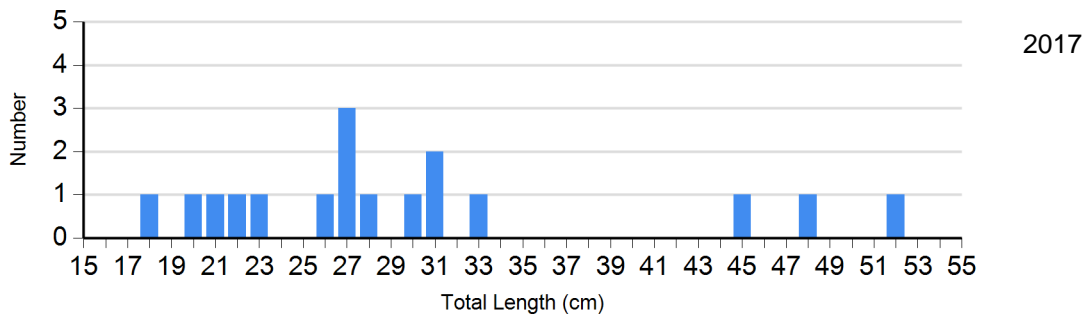
Species: Bluegill
Gear: AFS std frame net



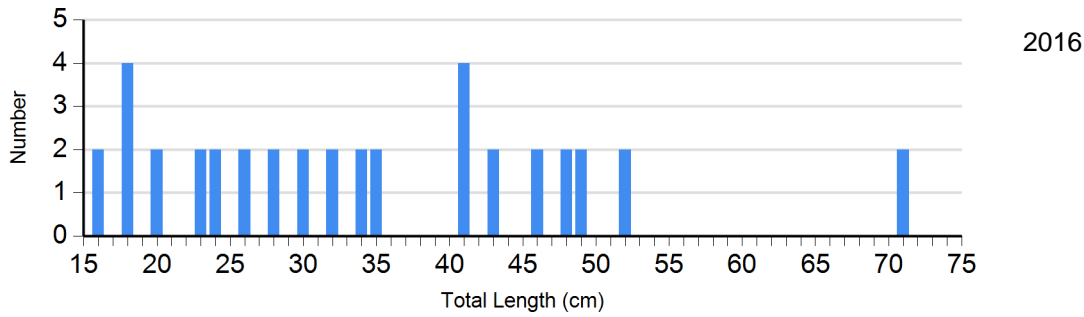
Species: Bluegill
Gear: frame net (std 3/4 in)



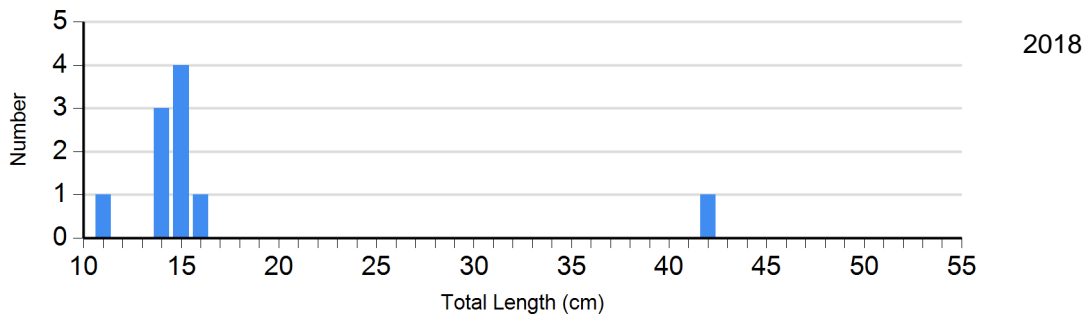
Species: Channel Catfish
Gear: AFS std gill net



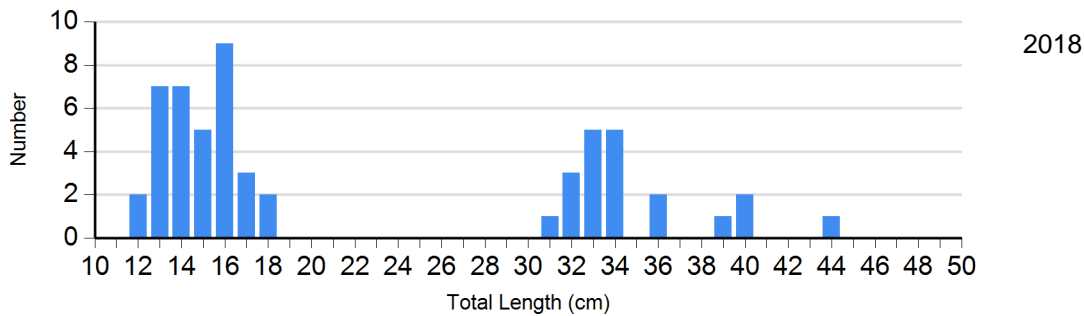
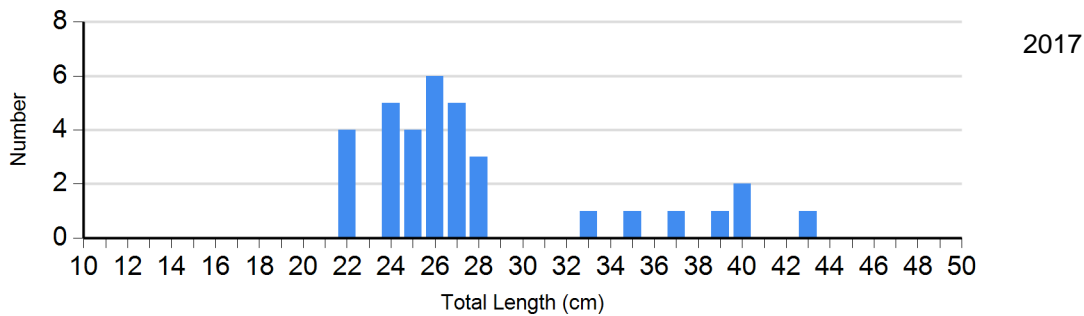
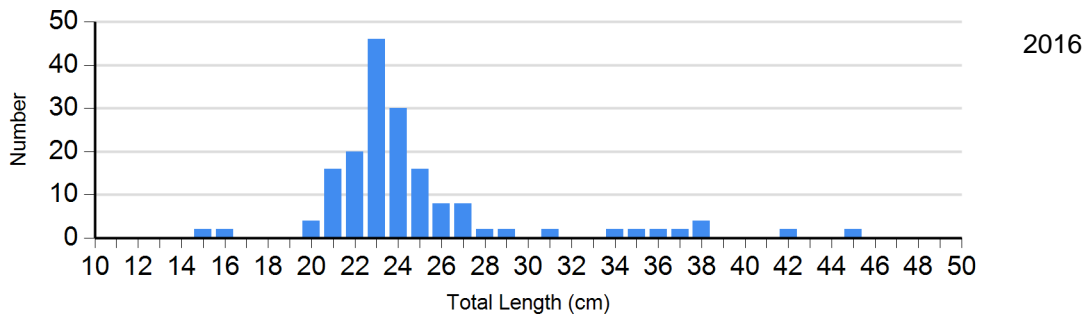
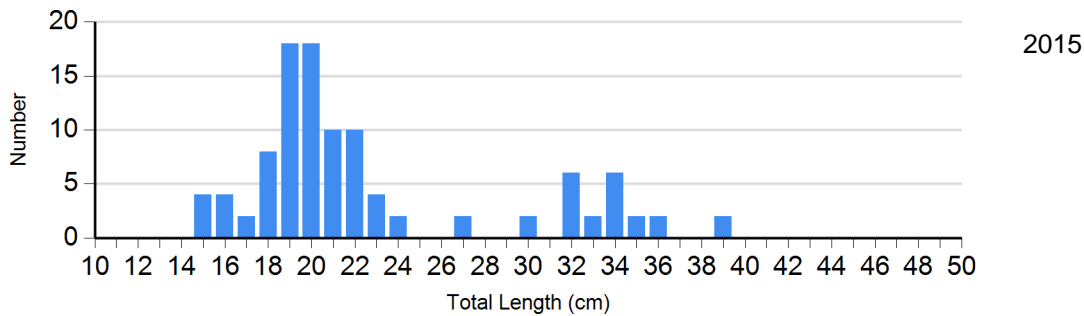
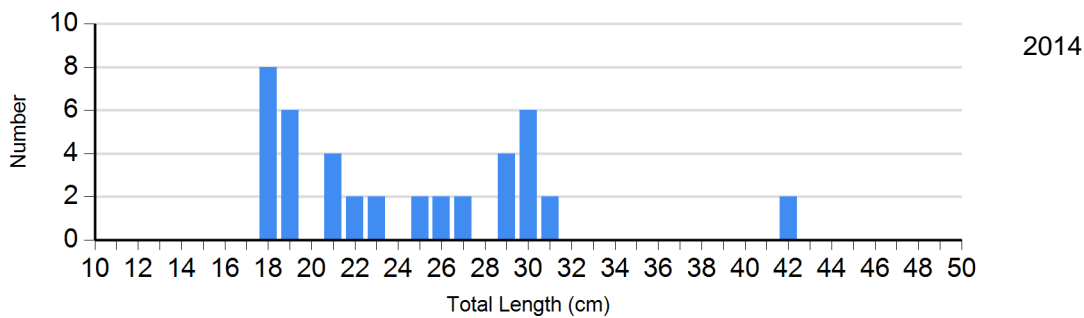
Species: Channel Catfish
Gear: std exp gill net



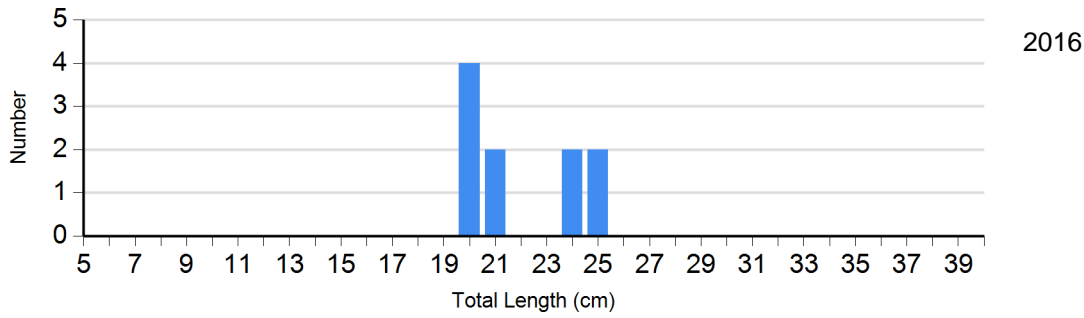
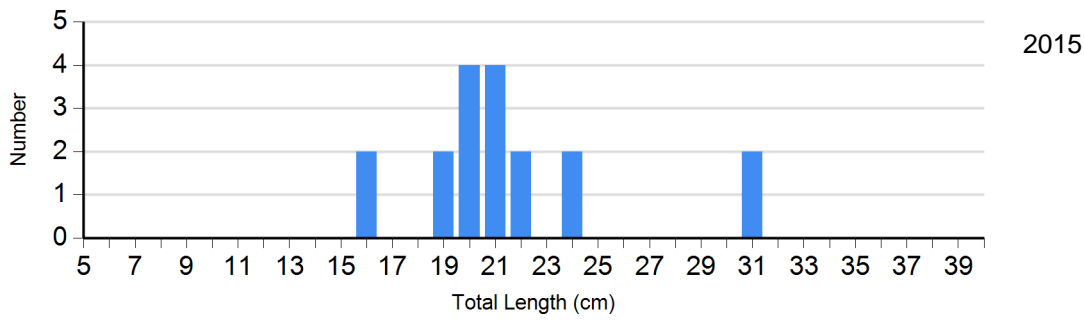
Species: Common Carp
Gear: AFS std gill net



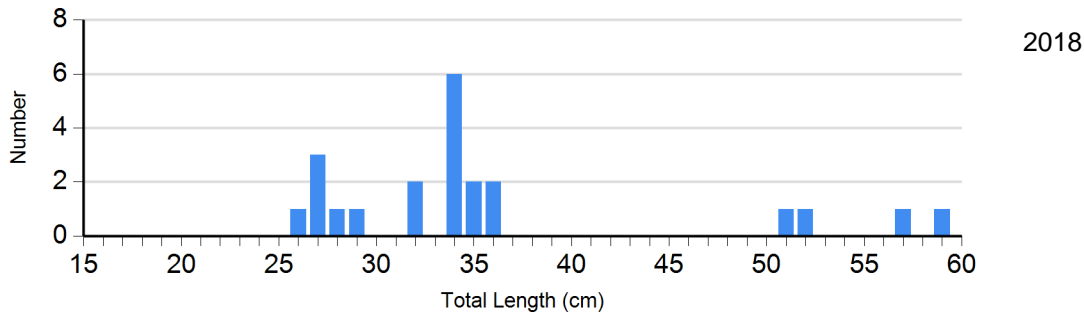
Species: Largemouth Bass
Gear: boat shocker (night)



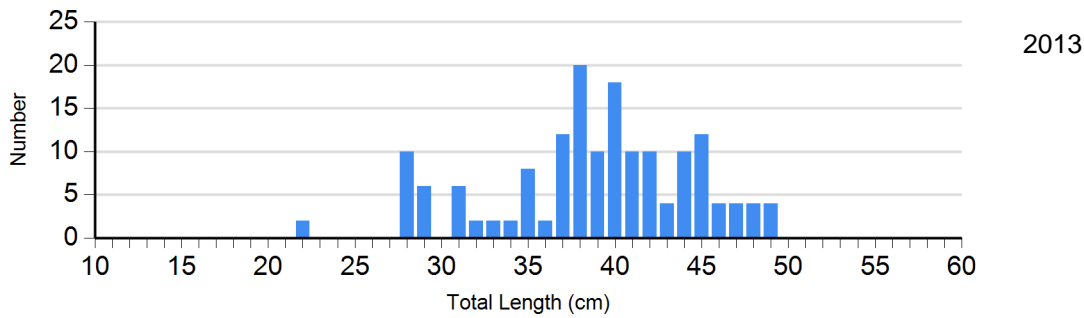
Species: Smallmouth Bass
 Gear: boat shocker (night)

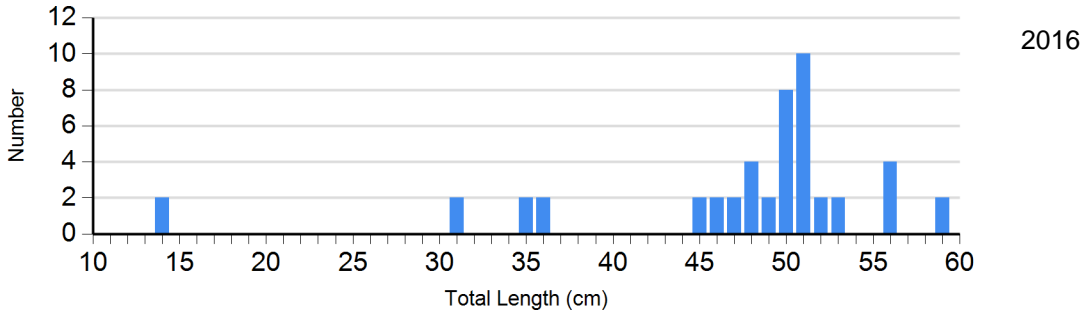
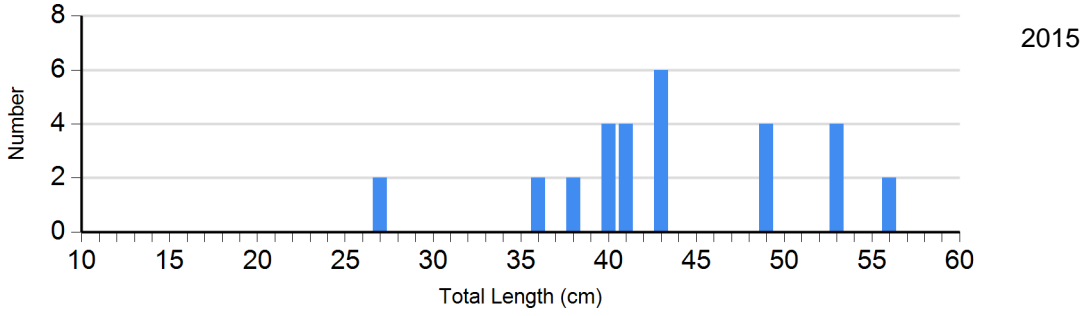
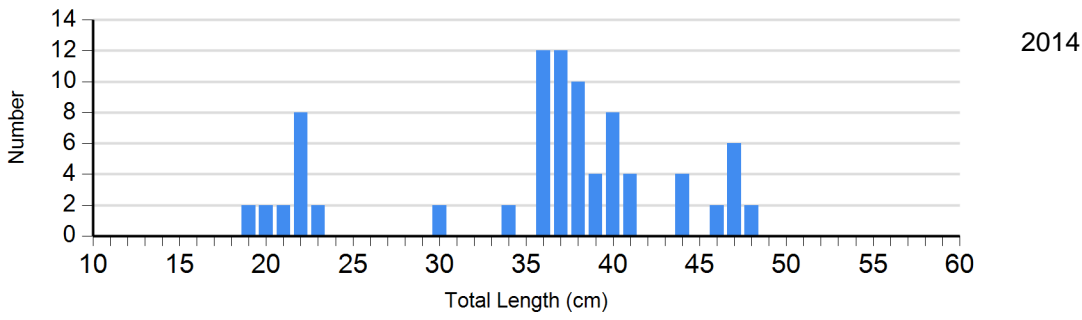


Species: Walleye
 Gear: AFS std gill net

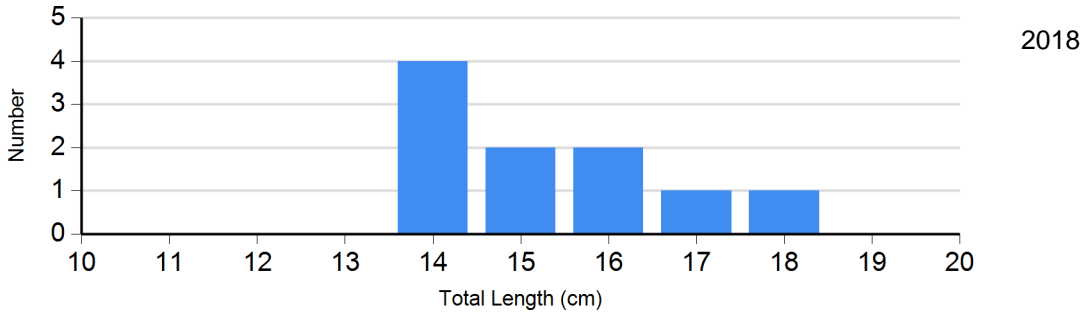


Species: Walleye
 Gear: std exp gill net

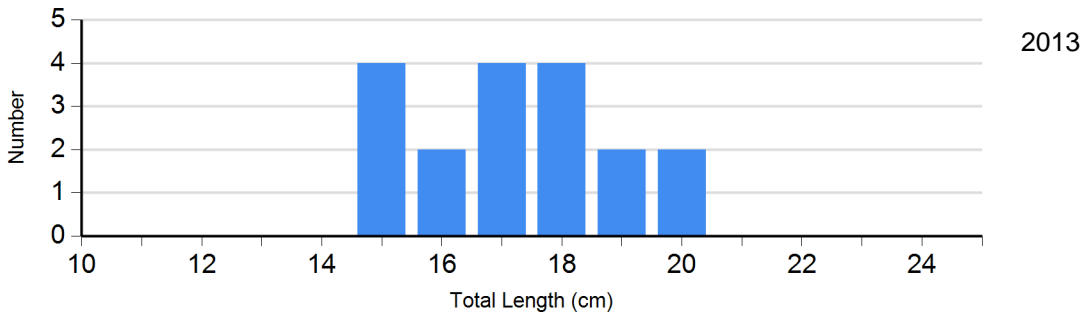


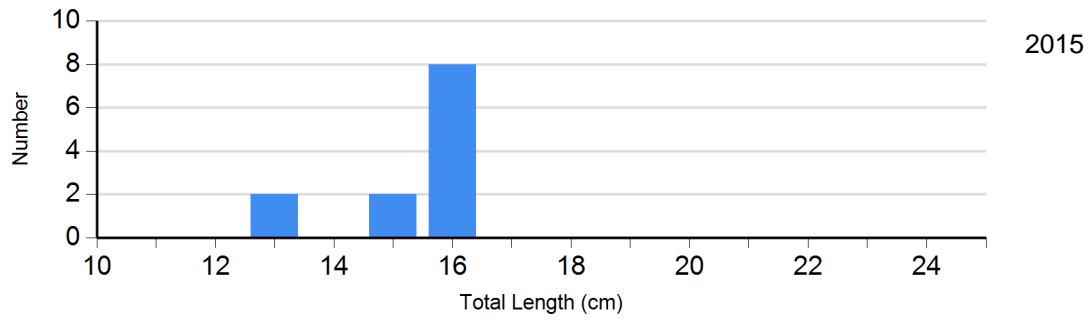
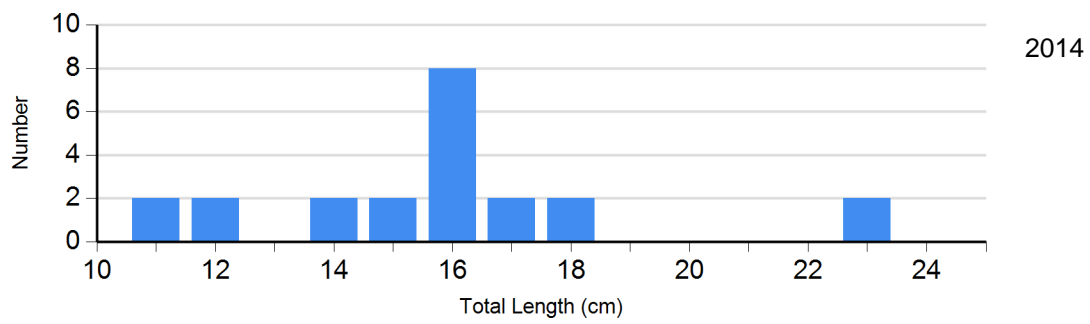


Species: Yellow Perch
Gear: AFS std gill net



Species: Yellow Perch
Gear: std exp gill net



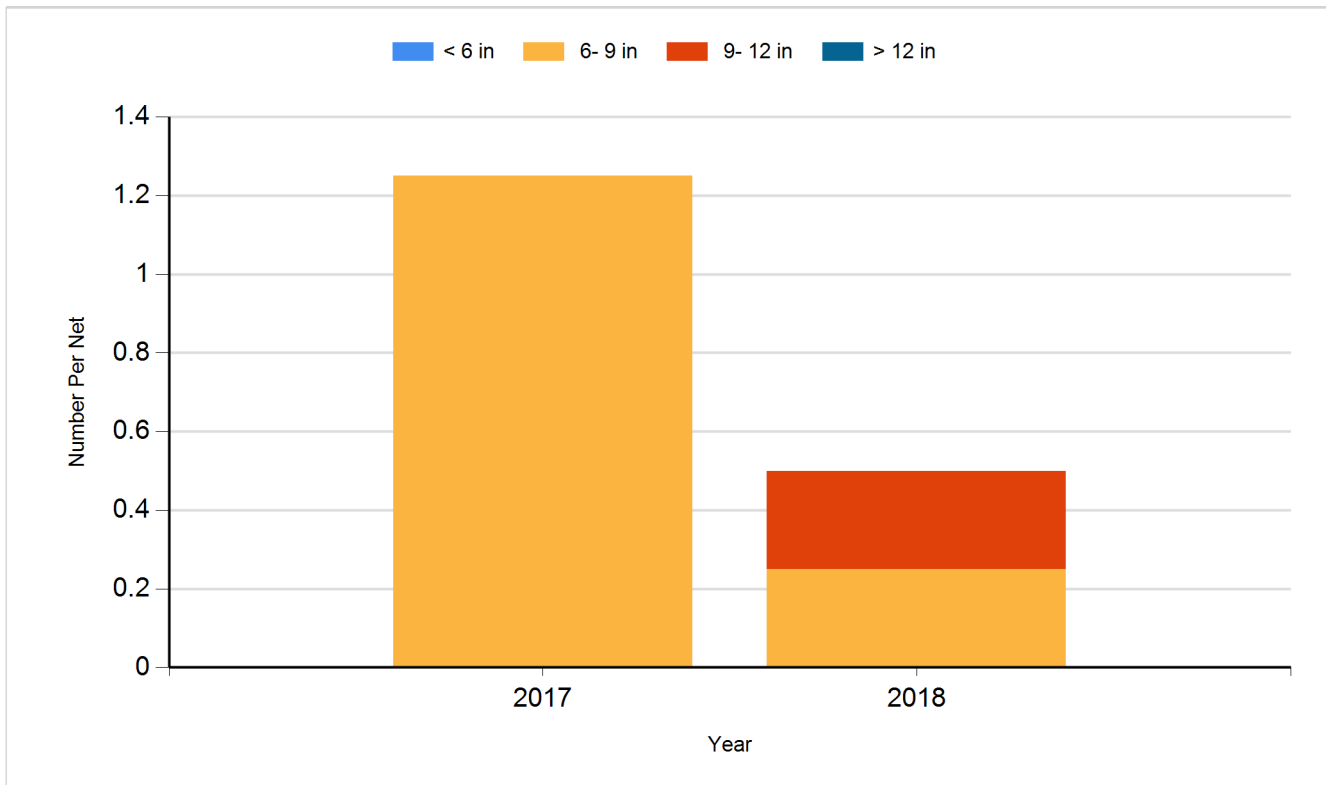


Historic Fish Sizes and Relative Abundance

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

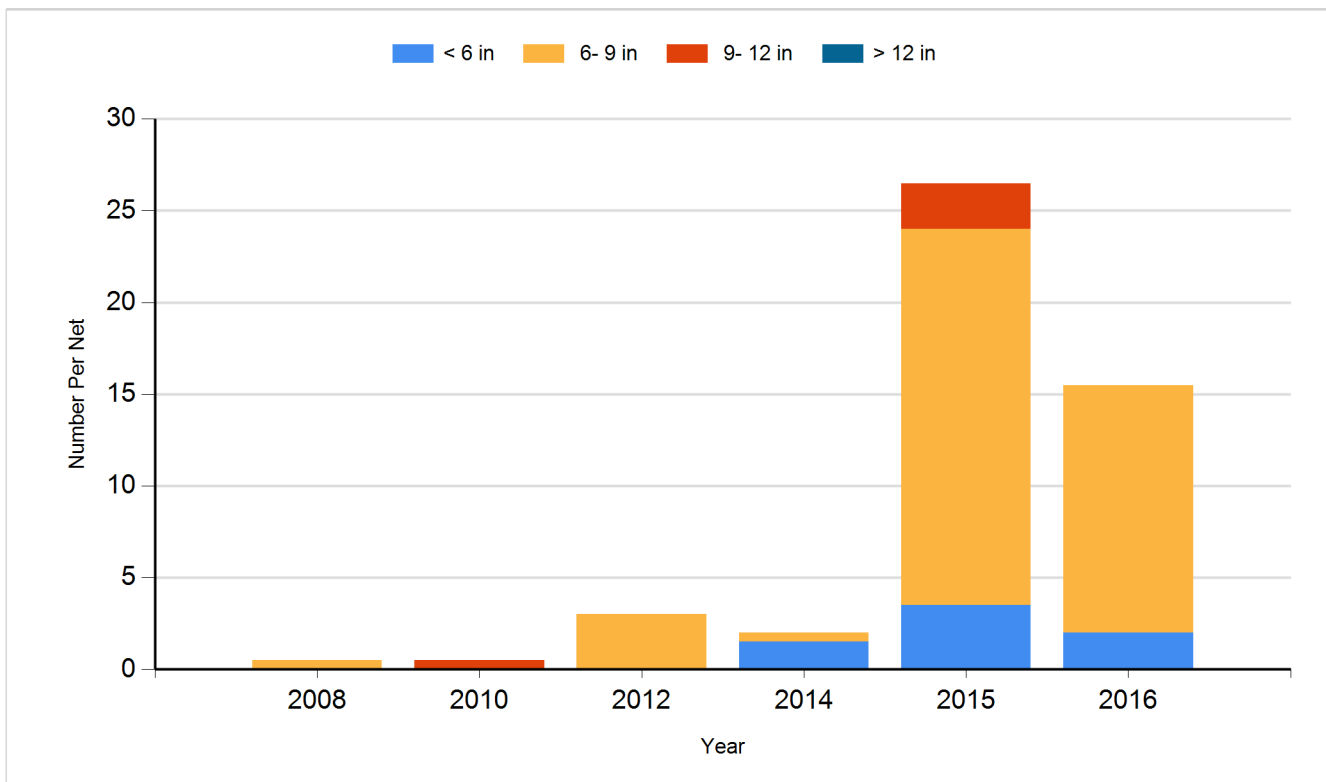
Species: Black Bullhead

Gear: AFS std gill net

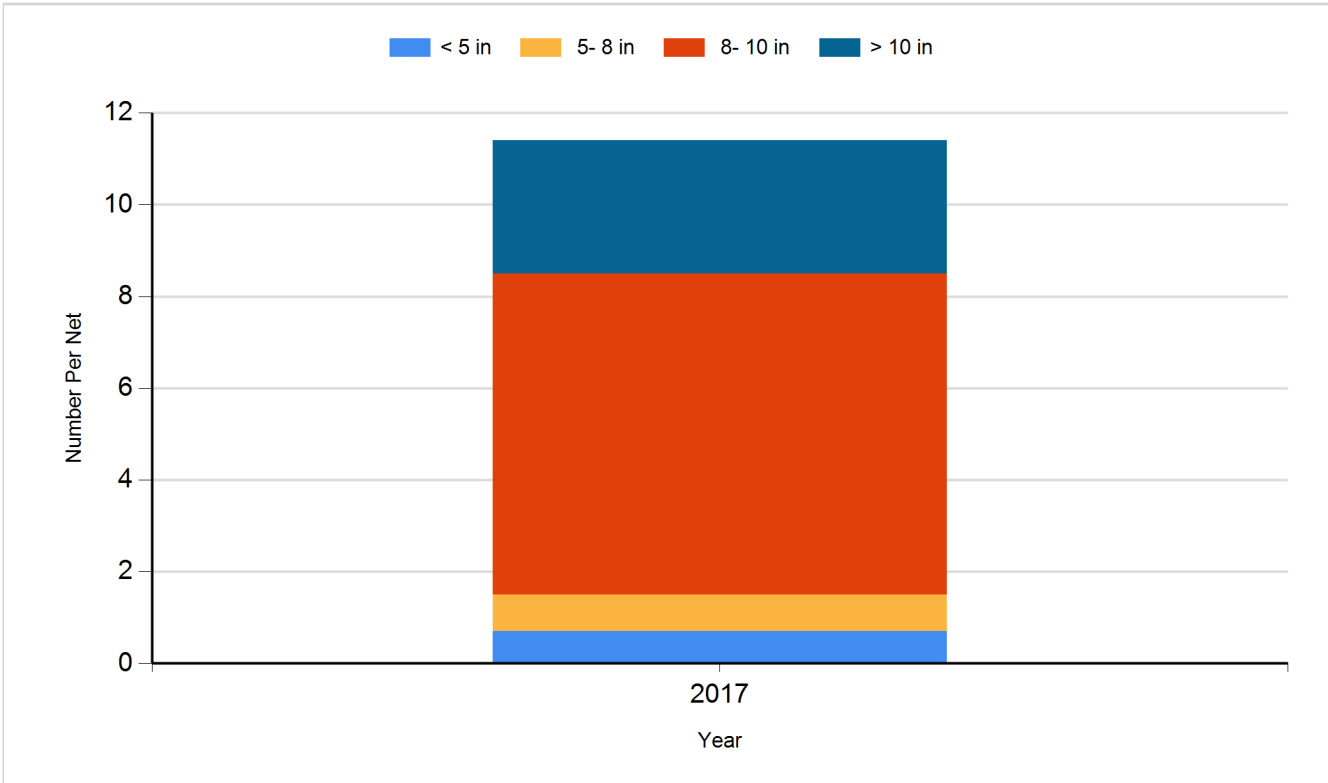


Species: Black Bullhead

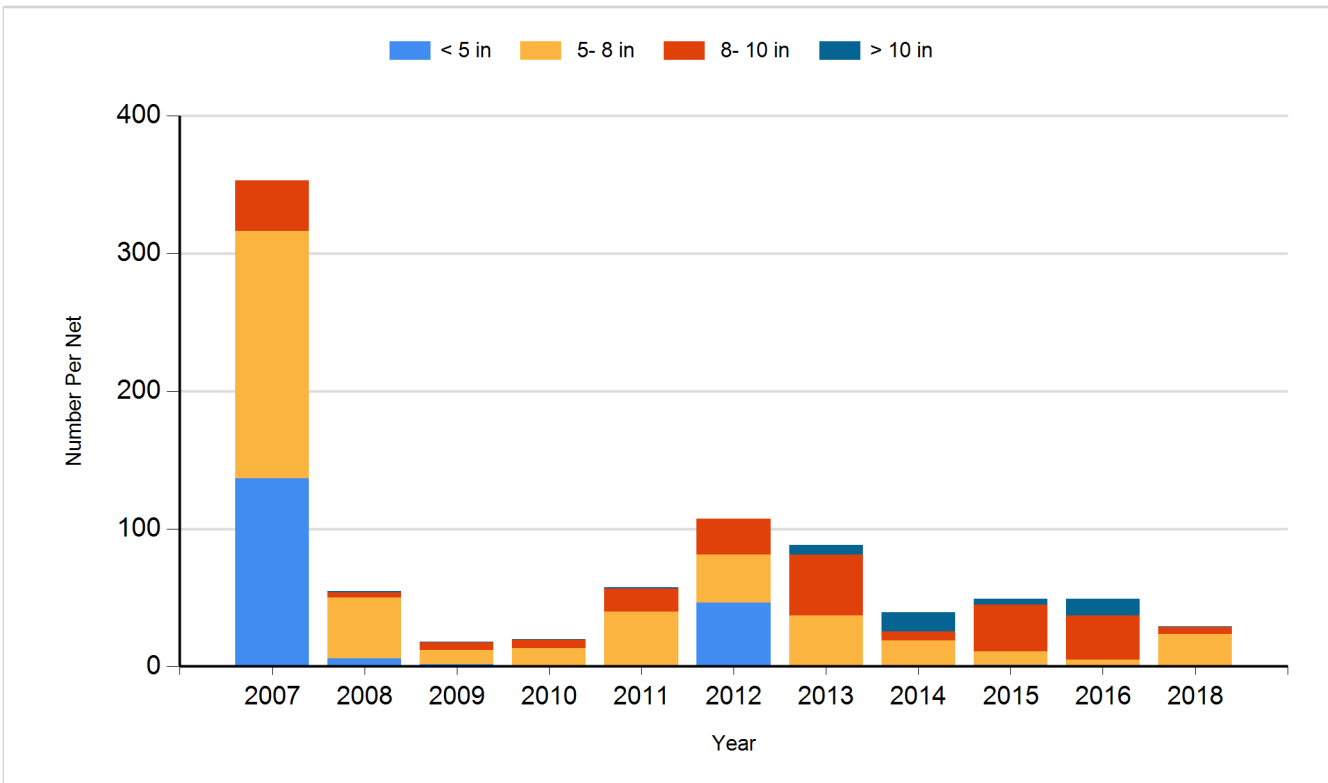
Gear: std exp gill net



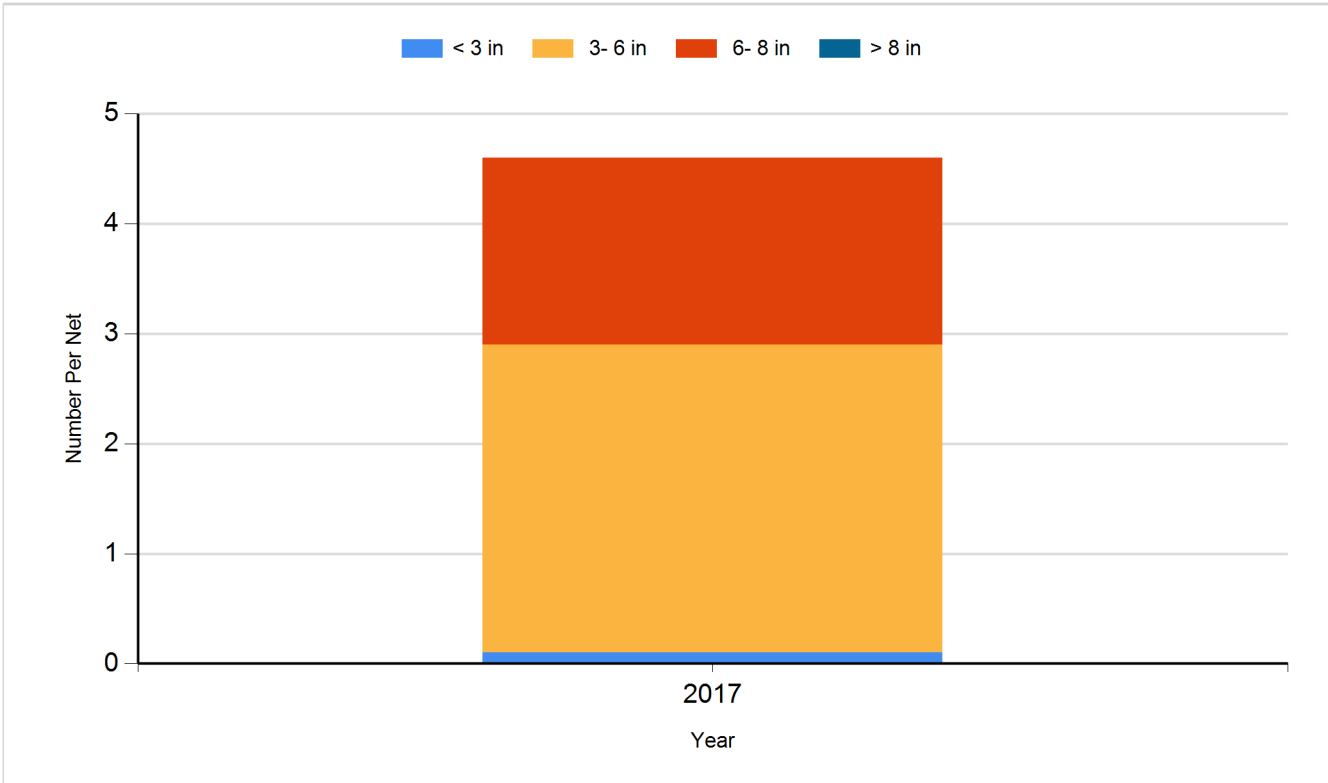
Species: Black Crappie
Gear: AFS std frame net



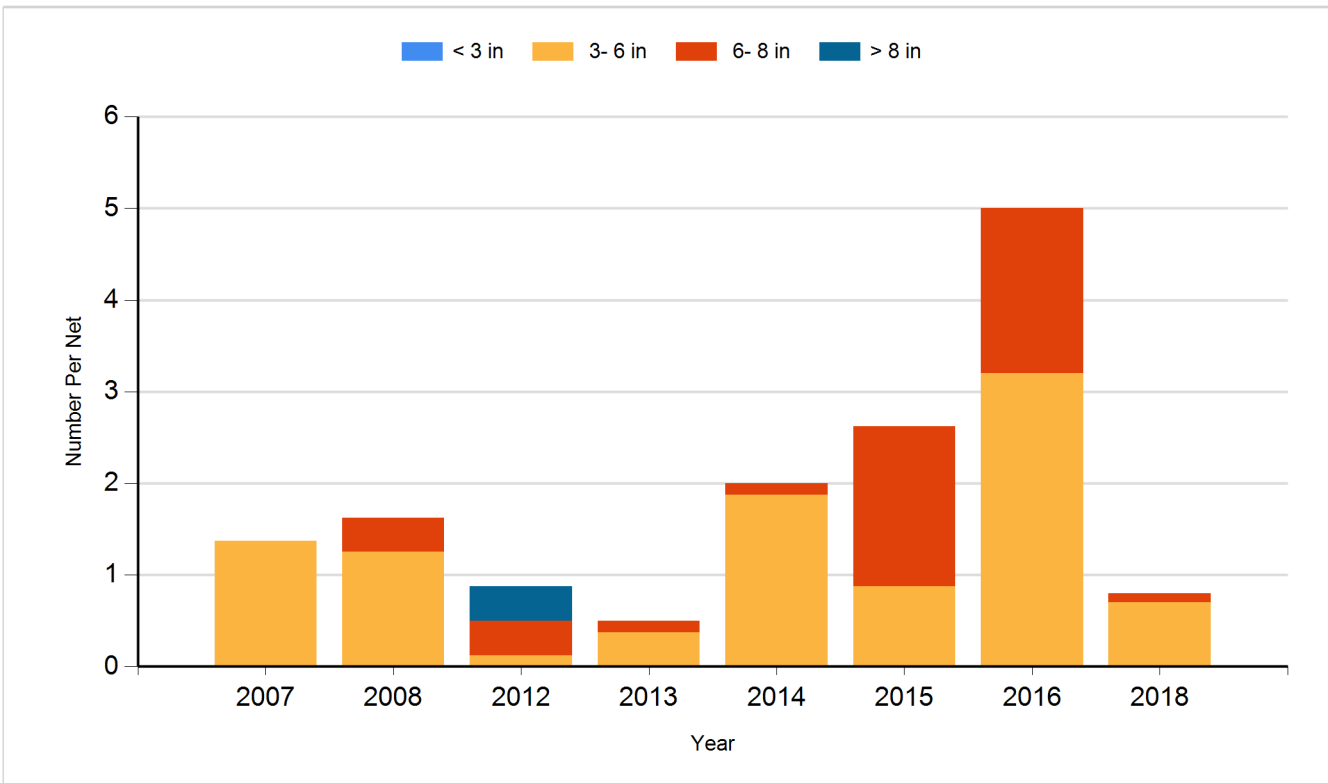
Species: Black Crappie
Gear: frame net (std 3/4 in)



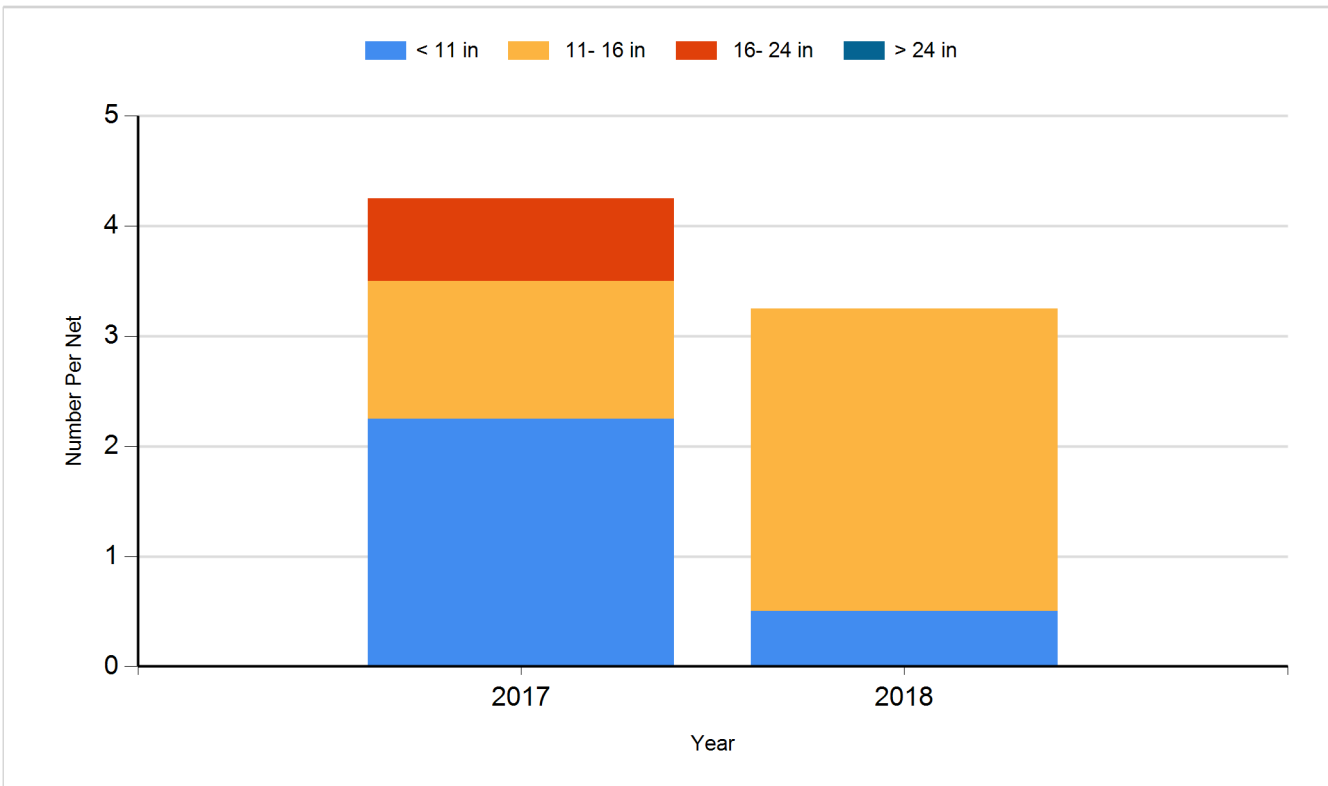
Species: Bluegill
Gear: AFS std frame net



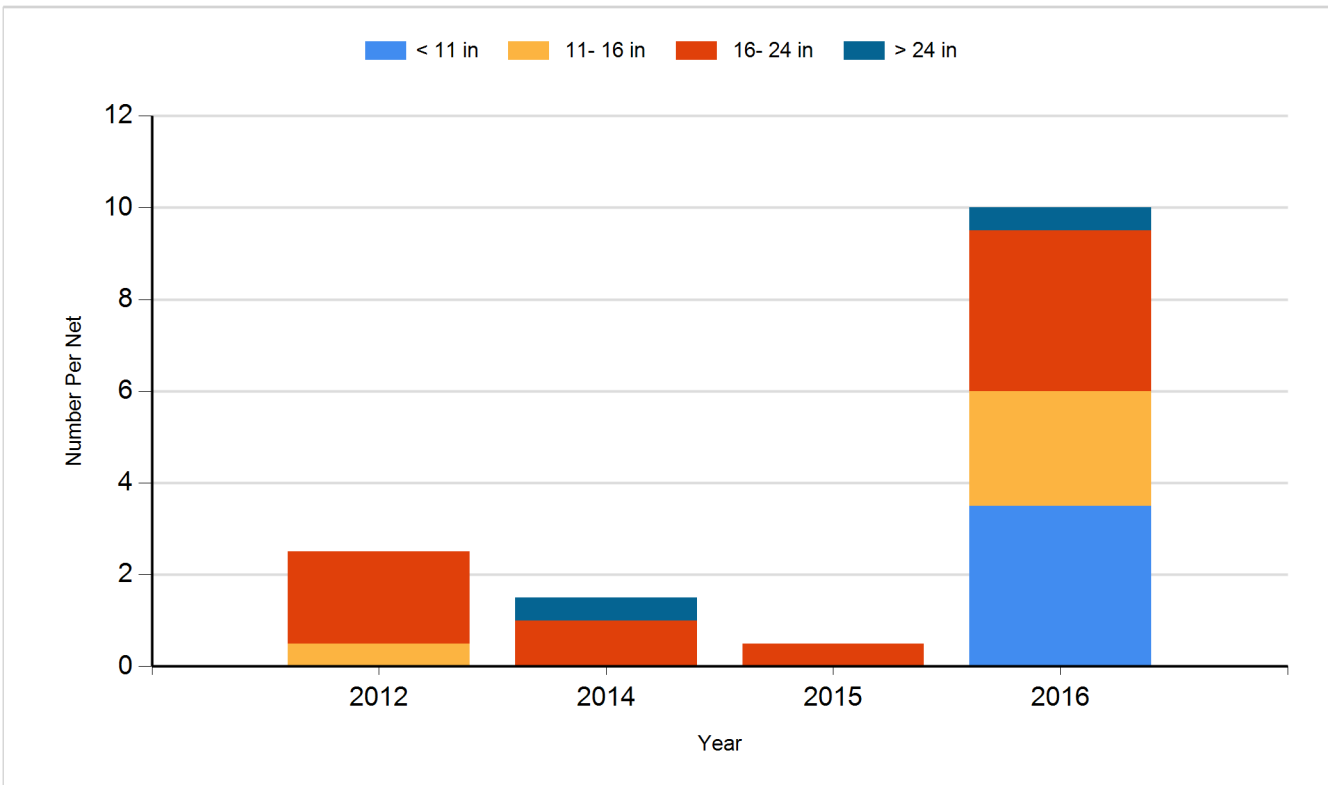
Species: Bluegill
Gear: frame net (std 3/4 in)



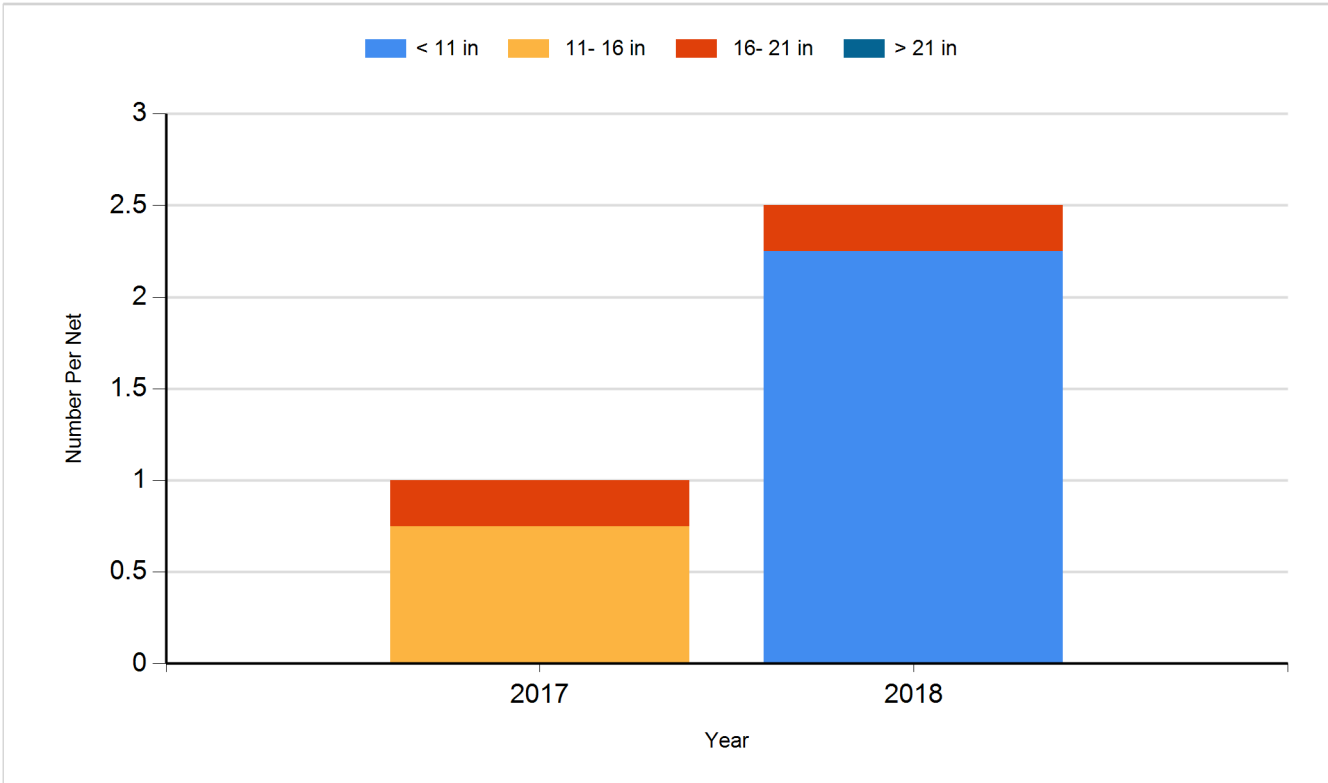
Species: Channel Catfish
Gear: AFS std gill net



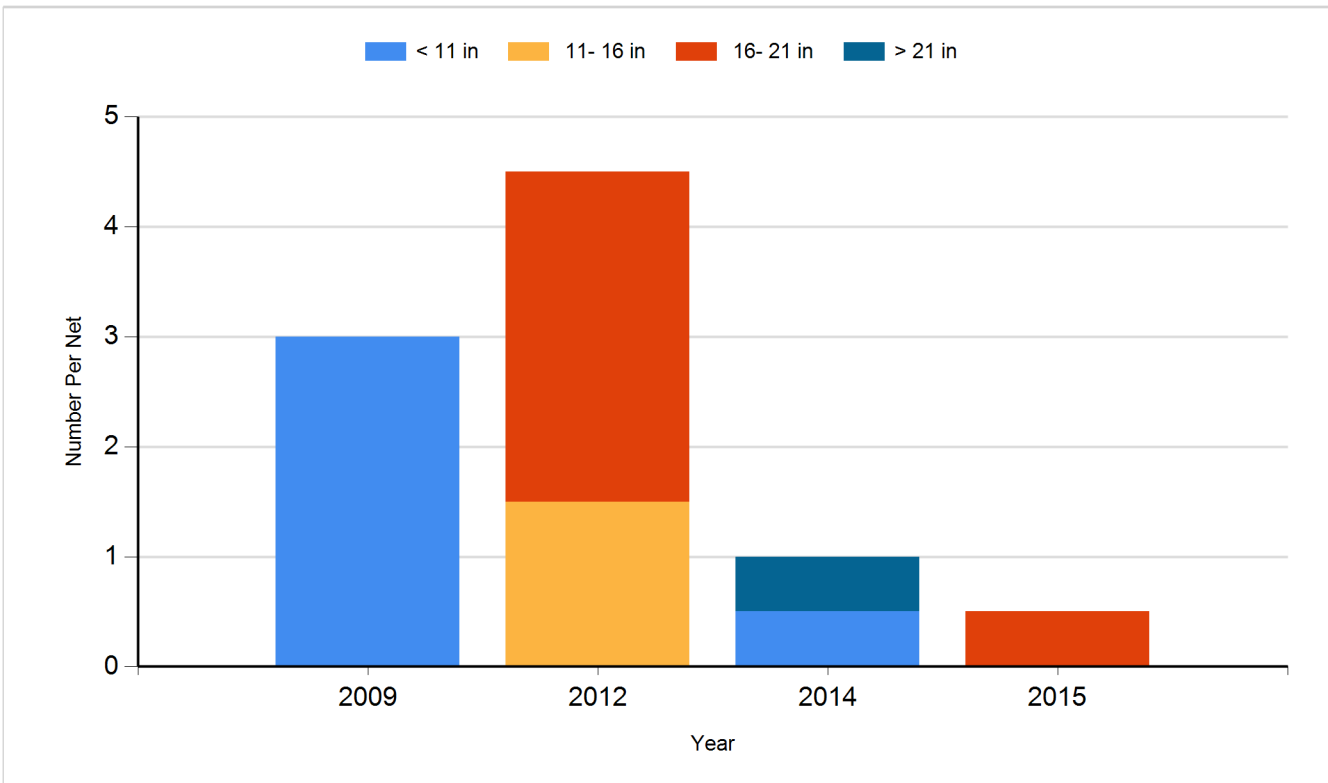
Species: Channel Catfish
Gear: std exp gill net



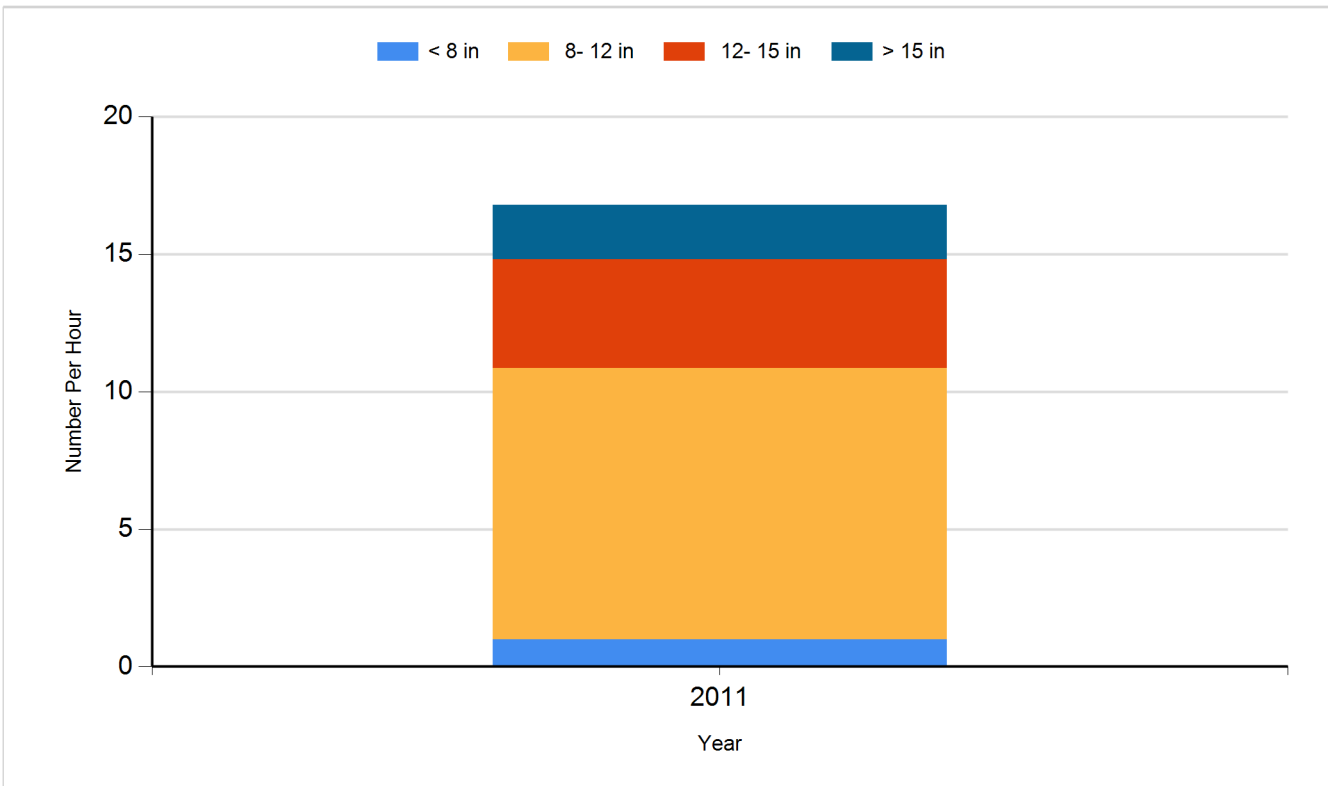
Species: Common Carp
Gear: AFS std gill net



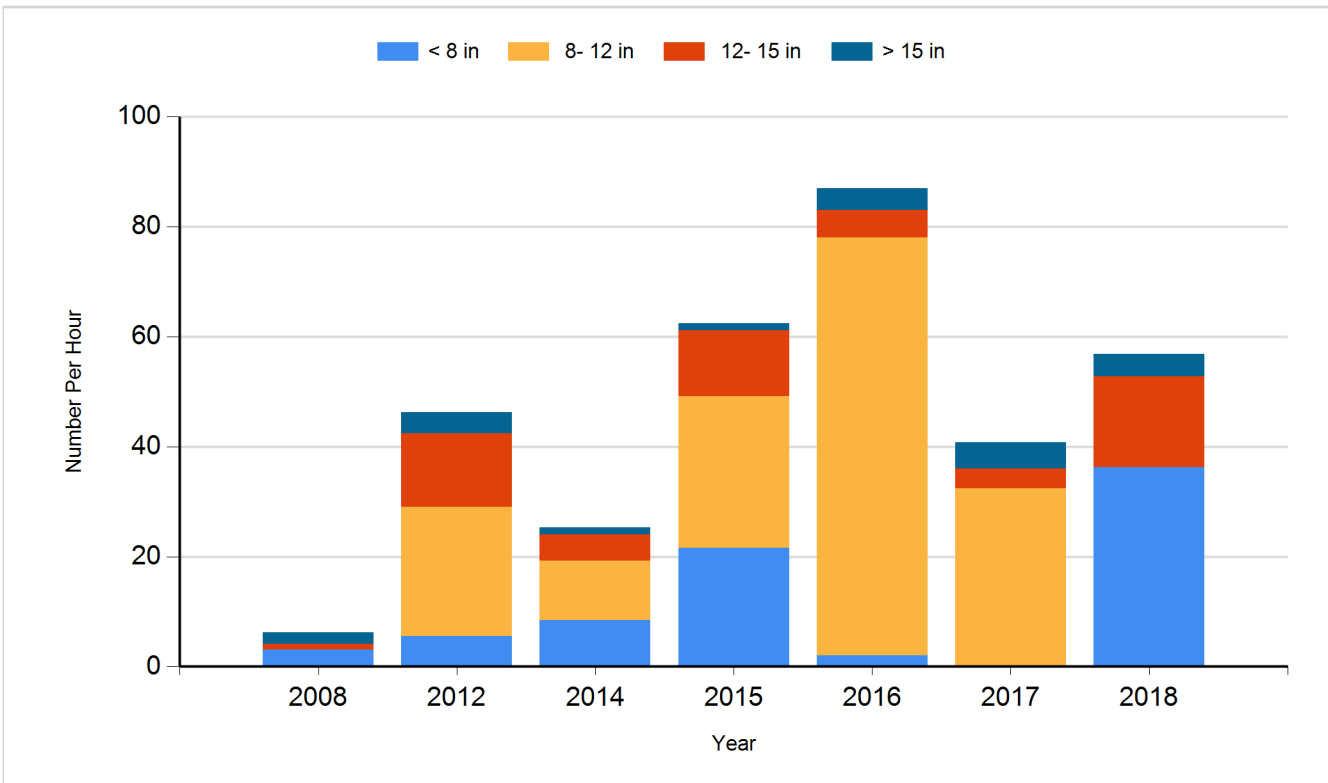
Species: Common Carp
Gear: std exp gill net



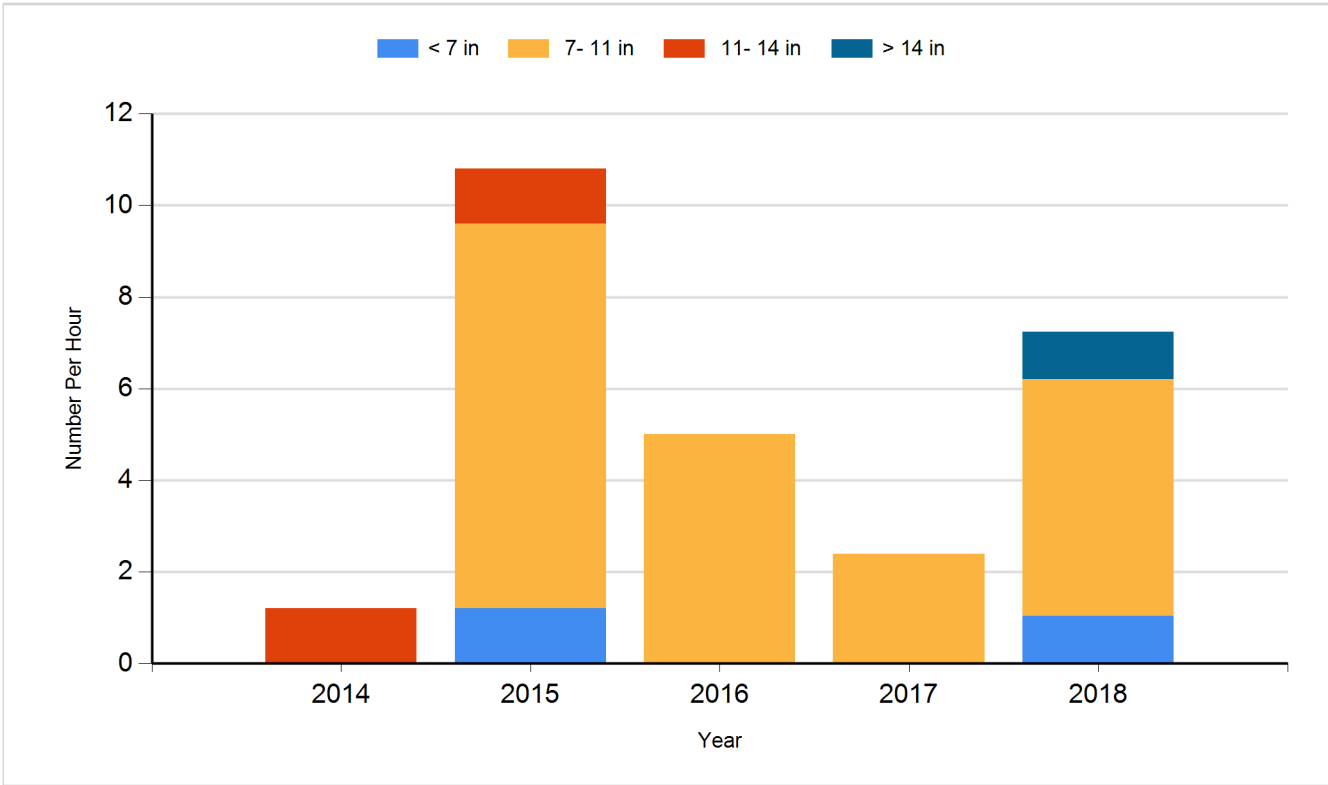
Species: Largemouth Bass
Gear: boat shocker (day)



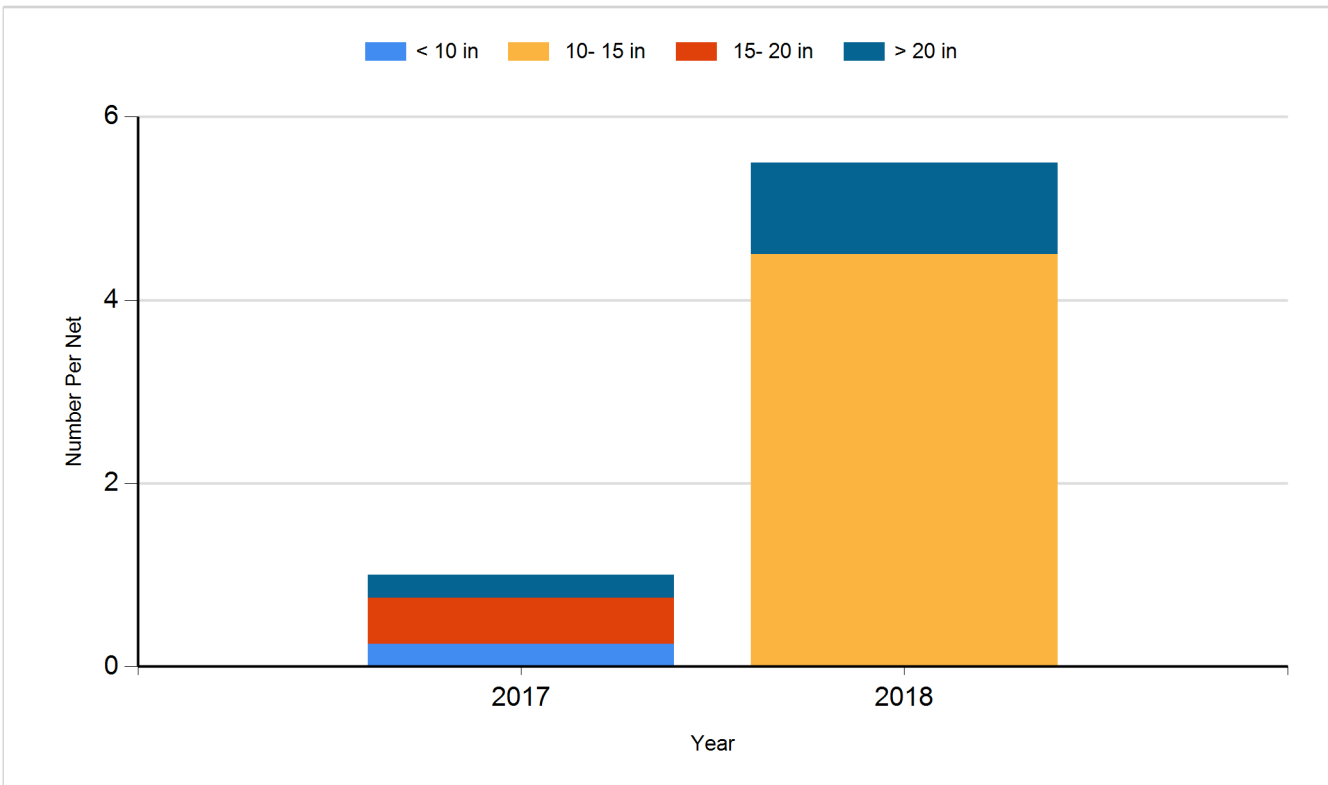
Species: Largemouth Bass
Gear: boat shocker (night)



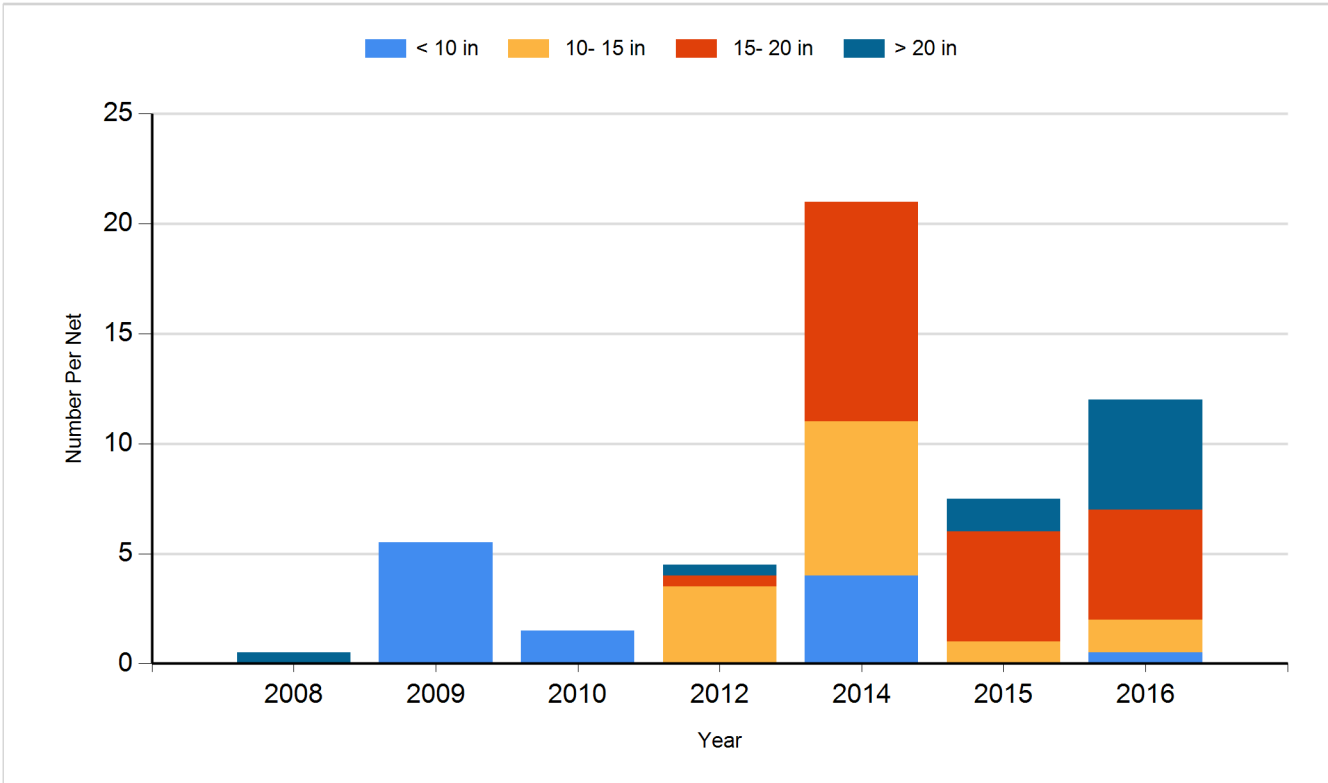
Species: Smallmouth Bass
Gear: boat shocker (night)



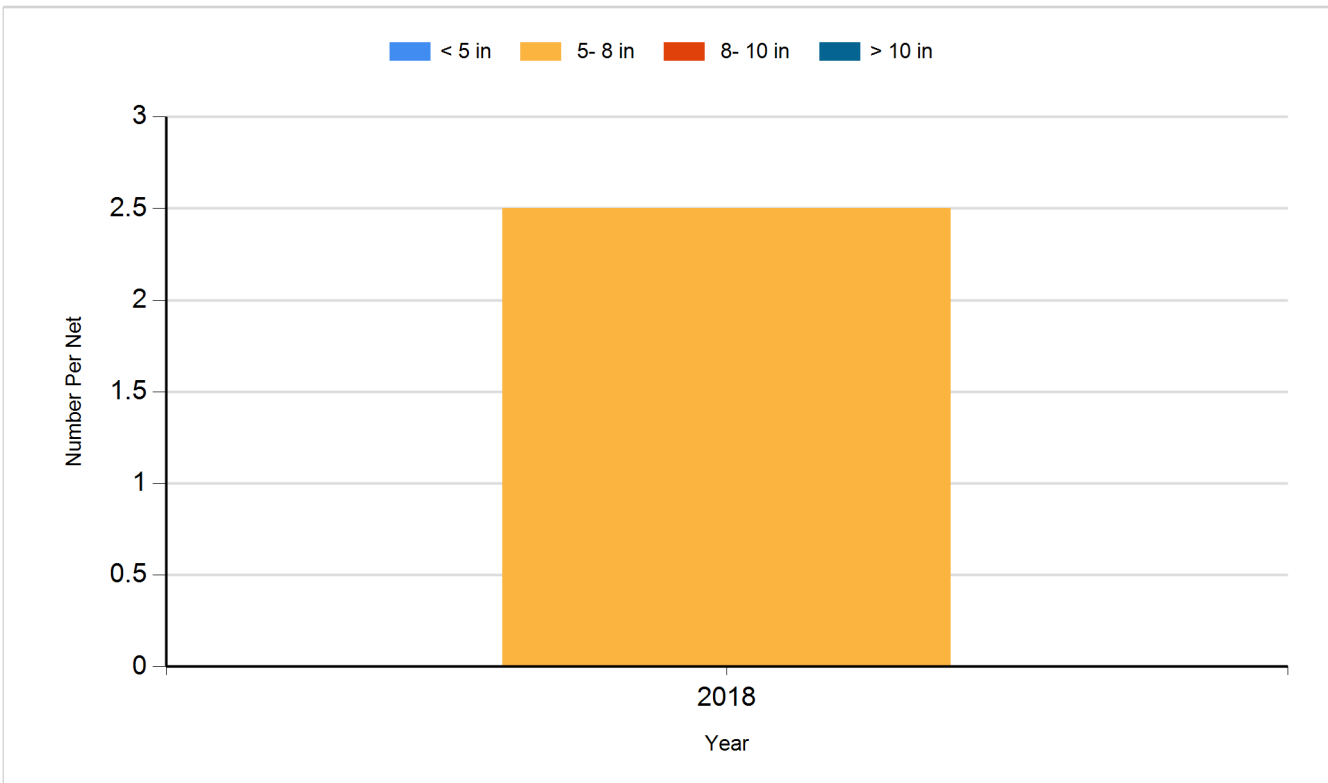
Species: Walleye
Gear: AFS std gill net



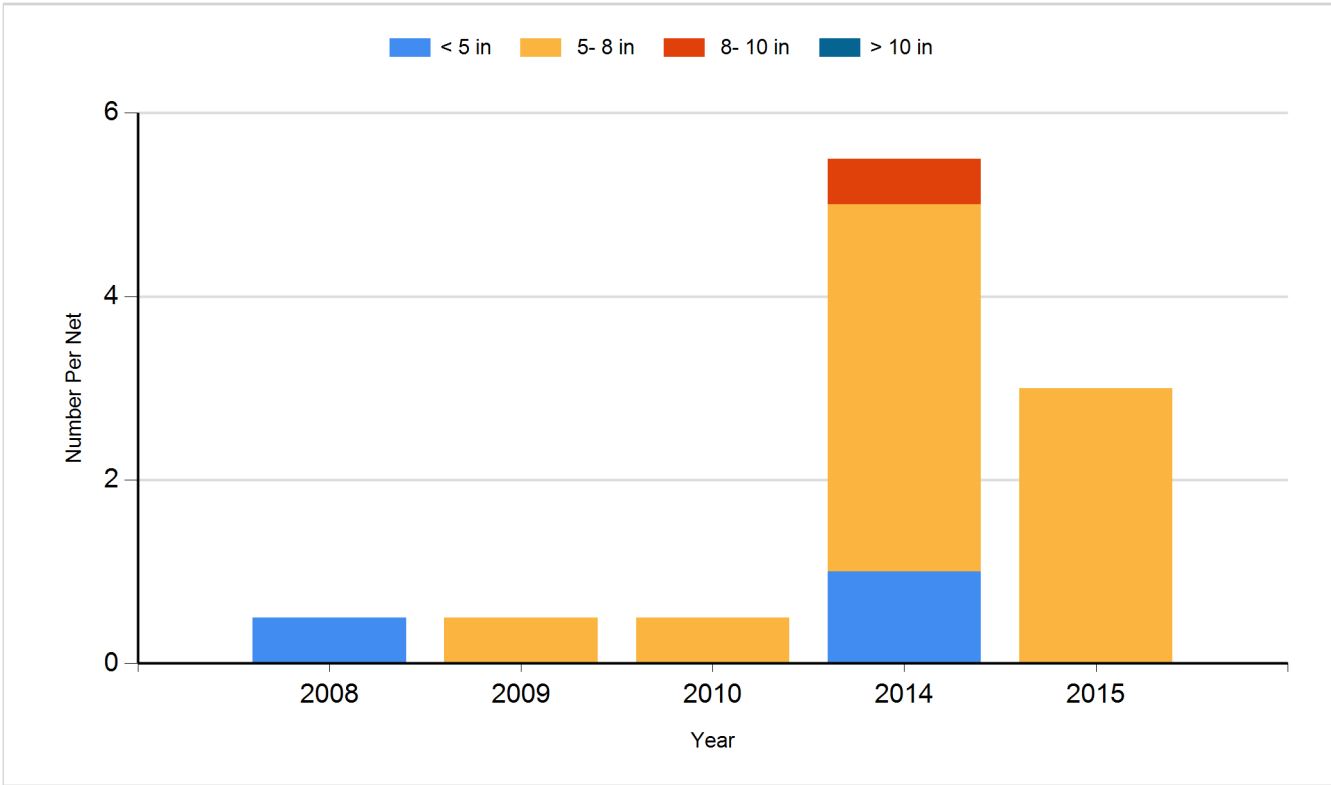
Species: Walleye
Gear: std exp gill net



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
2008	Largemouth Bass	Fingerling	13,000
2008	Walleye	Small Fingerling	46,990
2009	Channel Catfish	Adult	70
2009	Largemouth Bass	Adult	150
2009	Largemouth Bass	Fingerling	23,960
2009	Walleye	Fingerling	46,260
2009	Yellow Perch	Adult	400
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