

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY
Little White River Project, Bennett County
LIW-Lake-8-000
2019

Lake Information

Name: Little White River Project
County: Bennett
Surface Area: 160 Acres

Surveys and Investigations

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

Gear	Date	Effort
AFS std gill net	Jul 10, 2019	2 net-nights
boat shocker (day)	Sep 23, 2019	3540 seconds
frame net (std 3/4 in)	Jul 10, 2019	8 net-nights

Common Fish Species Present

Walleye

Northern Pike

Largemouth Bass

Channel Catfish

Black Crappie

Black Bullhead

Common Carp

Shorthead Redhorse

Bluegill

Yellow Perch

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	0.5	1.5	0		0		111	
	Black Crappie	2	0.5	1.5	0		0		136	
	Channel Catfish	2	0.5	1.5	100		100		119	
	Common Carp	1	0.5	1.5	100		0		84	
	Walleye	4	2.0	3.1	100		75		93	2
	Yellow Perch	1	0.5	1.5	100		0		105	
boat shocker (day)	Largemouth Bass	62	47.2	18.8	74	10	26	10	115	1
	Walleye*	23	23.3	6.5	40		20		90	4
frame net (std 3/4 in)	Black Bullhead	83	9.5	4.2	58	8	0		97	2
	Black Crappie	393	40.3	16.4	59	4	23	3	93	1
	Bluegill	16	2.0	1.2	19		0		114	3
	Channel Catfish	51	1.9	1.7	27		7		92	3
	Common Carp	26	2.9	1.6	78	14	30	15	89	2
	Northern Pike	1	0.1	0.2	100		100		93	
	Shorthead Redhorse	18	2.3	1.1	100		100		84	1
	Tadpole Madtom	2	0.0	0.0						
	Walleye	17	1.6	0.8	38		31		87	2
	White Sucker	2	0.3	0.2	100		100		88	3

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
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
AFS std frame net	Black Bullhead								2.6			2.60
	Black Crappie								32.7			32.70
	Bluegill								1.0			1.00
	Channel Catfish								0.0			0.00
	Common Carp								0.7			0.70
	Gizzard Shad								1.0			1.00
	Golden Shiner								0.0			0.00
	Green Sunfish								0.3			0.30
	Largemouth Bass								0.1			0.10
	Northern Pike								1.4			1.40
	Shorthead Redhorse								3.7			3.70
	Tadpole Madtom								0.0			0.00
	Walleye								1.1			1.10
Yellow Perch								0.4			0.40	
AFS std gill net	Black Bullhead								5.5	1.3	0.5	2.43
	Black Crappie								1.8	1.0	0.5	1.10
	Channel Catfish								3.5	2.3	0.5	2.10
	Common Carp								2.3	2.0	0.5	1.60
	Gizzard Shad								3.3	0.8	0.0	1.37
	Northern Pike								0.0	0.3	0.0	0.10
	Shorthead Redhorse								0.5	0.3	0.0	0.27
	Walleye								2.3	2.0	2.0	2.10
Yellow Perch								0.8	0.5	0.5	0.60	
boat shocker (day)	Largemouth Bass					0.0	18.0	35.0	39.0	43.9	47.2	30.52
	Walleye					39.6	0.0	1.0	6.0	10.0	23.3	13.32
frame net (std 3/4 in)	Black Bullhead		23.3		9.1	16.8	6.9	10.7		5.8	9.5	11.73
	Black Crappie		9.8		14.9	11.0	24.0	29.0		95.6	40.3	32.09
	Bluegill		0.0		0.0	0.0	0.4	0.1		2.1	2.0	0.66
	Bullhead Catfish Family		0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.00
	Channel Catfish		7.3		0.1	0.1	0.2	2.9		1.4	1.9	1.99
	Common Carp		1.2		0.1	0.4	0.2	0.9		0.5	2.9	0.89
	Gizzard Shad		0.0		0.1	0.0	0.3	0.1		0.0	0.0	0.07
	Golden Shiner		0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.00
	Green Sunfish		0.5		0.0	0.4	0.0	0.3		0.1	0.0	0.19

		CPUE										
Gear	Species	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Avg
frame net (std 3/4 in)	Largemouth Bass		0.0		0.0	0.3	0.2	0.4		0.1	0.0	0.14
	Northern Pike		1.3		2.9	1.3	1.3	1.9		0.9	0.1	1.39
	Shorthead Redhorse		0.2		0.1	0.9	1.3	3.6		3.6	2.3	1.71
	Tadpole Madtom		0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.00
	Walleye		0.3		0.1	0.3	0.2	0.7		0.6	1.6	0.54
	White Sucker		0.0		0.0	0.0	0.0	0.0		0.1	0.3	0.06
	Yellow Perch		0.2		0.3	0.1	0.1	0.1		0.0	0.0	0.11
std exp gill net	Black Bullhead		1.0		13.0	11.5	111.5	11.5				29.70
	Black Crappie		1.0		1.0	2.5	4.0	1.5				2.00
	Channel Catfish		3.5		2.0	1.5	7.5	2.5				3.40
	Common Carp		1.0		1.0	2.5	4.5	2.0				2.20
	Gizzard Shad		0.0		0.0	0.0	2.0	1.0				0.60
	Golden Shiner		0.0		0.0	0.0	0.0	0.0				0.00
	Northern Pike		2.5		0.5	1.5	0.5	0.0				1.00
	Shorthead Redhorse		0.5		0.5	2.5	0.0	0.5				0.80
	Walleye		3.0		2.0	5.0	6.0	3.5				3.90
	Yellow Perch		0.0		1.5	0.5	1.5	3.5				1.40

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												
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
AFS std frame net	Black Bullhead	PSD									44				
		PSD-P									0				
		Wr										93			
	Black Crappie	PSD										33			
		PSD-P										10			
		Wr										98			
	Bluegill	PSD										0			
		PSD-P										0			
		Wr										105			
	Channel Catfish	PSD										0			
		PSD-P										0			
	Common Carp	PSD										20			
		PSD-P										20			
		Wr										88			
	Largemouth Bass	PSD										100			
		PSD-P										0			
		Wr										102			
	Northern Pike	PSD										80			
		PSD-P										10			
		Wr										93			
	Shorthead Redhorse	PSD										100			
PSD-P											62				
Wr											95				
Walleye	PSD										100				
	PSD-P										50				
	Wr										90				
Yellow Perch	PSD										67				
	PSD-P										33				
	Wr										80				
AFS std gill net	Black Bullhead	PSD									68	20	0		
		PSD-P									0	0	0		
		Wr									83	86	111		
	Black Crappie	PSD									57	75	0		

Gear	Species	Index	Year												
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
AFS std gill net	Black Crappie	PSD-P									0	0	0		
		Wr									94	90	136		
	Channel Catfish	PSD										79	78	100	
		PSD-P										29	33	100	
		Wr										97	93	119	
	Common Carp	PSD										67	63	100	
		PSD-P										0	13	0	
		Wr										85	84	84	
	Northern Pike	PSD											100		
		PSD-P											0		
		Wr											92		
	Shorthead Redhorse	PSD										100	100		
		PSD-P										50	100		
		Wr										101			
	Walleye	PSD										100	75	100	
		PSD-P										44	63	75	
		Wr										92	86	93	
	Yellow Perch	PSD										67	100	100	
		PSD-P										0	0	0	
		Wr										90	90	105	
boat shocker (day)	Largemouth Bass	PSD								72	60	44	74	74	
		PSD-P									22	34	26	23	26
		Wr									110	113		113	115
	Walleye	PSD						70			0	0	0	0	40
		PSD-P						30			0	0	0	0	20
		Wr						87					91	90	
	frame net (std 3/4 in)	Black Bullhead	PSD			2	2	3	10	39				48	58
			PSD-P			1	0	0	0	0	0			0	0
			Wr			82	84	82	88	93				97	97
Black Crappie		PSD			7	53	59	66	38				43	59	
		PSD-P			0	4	20	43	19				15	23	
		Wr			111	104	93	96	110				98	93	
Bluegill		PSD							67	100			29	19	
		PSD-P							0	0			0	0	
		Wr							123	93			106	114	
Channel Catfish		PSD			45	100	100	100	40				27	27	

Gear	Species	Index	Year									
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
frame net (std 3/4 in)	Channel Catfish	PSD-P		2		0	0	100	10		9	7
		Wr		94		92	102	123	118		85	92
	Common Carp	PSD		86		0	100	100	100		50	78
		PSD-P		0		0	100	0	17		0	30
		Wr		91		87	84	83	89		80	89
	Largemouth Bass	PSD					50	50	0		100	
		PSD-P					0	0	0		100	
		Wr					96	117	117		103	
	Northern Pike	PSD		63		85	80	67	69		86	100
		PSD-P		50		50	30	11	0		14	100
		Wr		79		91	89	90	94		81	93
	Shorthead Redhorse	PSD		0		100	86	92	96		100	100
		PSD-P		0		100	43	33	24		93	100
		Wr		92			89	90	87		79	84
	Walleye	PSD		100		100	100	100	80		100	38
		PSD-P		0		0	100	100	60		100	31
		Wr		85		89	92	96	91		87	87
	Yellow Perch	PSD		100		100	100	0	100			
		PSD-P		0		0	0	0	0			
		Wr		92		92	92	92	72			
	std exp gill net	Black Bullhead	PSD		0		4	0	20	30		
PSD-P				0		0	0	0	0			
Wr				79		90	84	91	88			
Black Crappie		PSD		0		50	60	75	100			
		PSD-P		0		0	0	50	33			
		Wr		119		112	95	103	104			
Channel Catfish		PSD		86		100	67	40	60			
		PSD-P		14		0	0	20	20			
		Wr		109		103	95	100	89			
Common Carp		PSD		50		100	40	33	25			
		PSD-P		0		0	0	0	0			
		Wr		90		87	89	86	90			
Northern Pike		PSD		100		0	67	100				
		PSD-P		40		0	33	100				
		Wr		85		88	88	91				
Shorthead Redhorse		PSD		100		100	80		100			
		PSD-P		100		100	0		100			

Gear	Species	Index	Year									
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
std exp gill net	Shorthead Redhorse	Wr		87		89	86		91			
		PSD		100		75	60	17	71			
		PSD-P		0		25	10	8	14			
		Wr		84		91	86	95	95			
	Yellow Perch	PSD				33	0	67	57			
		PSD-P				0	0	0	0			
		Wr				101	92	94	90			

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	782	115 (472)	173 (110)	221 (8)	242 (87)	276 (12)	278 (95)				
2014	254	115 (94)	141 (2)	196 (79)	214 (22)	251 (52)	313 (6)				

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	41	197 (19)	288 (8)	345 (5)	398 (5)	401 (5)					
2015	44	201 (16)	312 (12)	370 (10)	416 (6)						

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2018	8		357 (3)		553 (1)	564 (2)	560 (2)				
2016	14		376 (8)	483 (4)	547 (2)						
2015	24		364 (20)	486 (2)				530 (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).

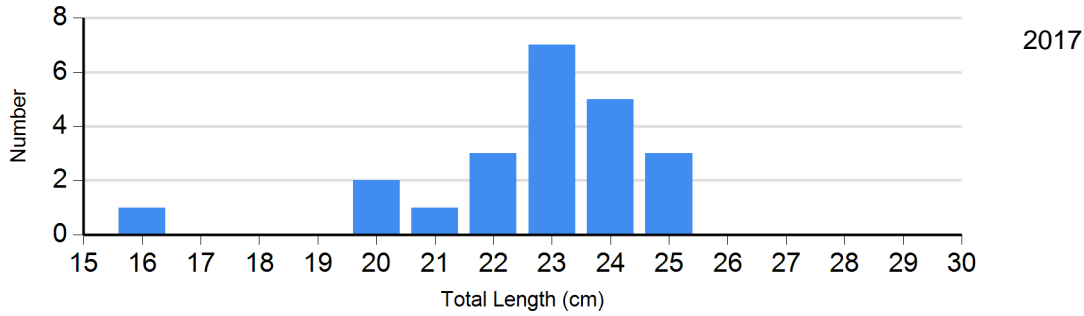
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Bullhead Gill Net	2015	358	90 (0.5)	88	95 (1.6)	0		0	
	2016	32	88 (1.6)	14	86 (1.5)	0		0	
	2017	7	86 (2.9)	15	82 (2.2)	0		0	
	2018	4	85 (0.3)	1	87	0		0	
	2019	1	111	0		0		0	
Black Crappie Frame Net	2015	120	105 (0.7)	80	96 (0.7)	138	93 (0.4)	10	94 (0.6)
	2016	252	122 (0.6)	78	102 (0.7)	60	97 (0.7)	16	103 (1.8)
	2017	154	103 (1.1)	51	93 (0.6)	12	97 (1.2)	12	98 (2.1)
	2018	436	106 (0.8)	211	88 (0.7)	90	87 (0.5)	28	85 (0.7)
	2019	132	98 (1.1)	116	91 (0.7)	60	92 (0.8)	14	91 (1.1)
Bluegill Frame Net	2015	2	122 (0.0)	4	124 (1.0)	0		0	
	2016	0		2	93 (0.0)	0		0	
	2017	7	105 (4.9)	0		0		0	
	2018	12	107 (4.3)	5	103 (4.7)	0		0	
	2019	13	117 (2.5)	3	102 (5.0)	0		0	
Channel Catfish Gill Net	2015	18	97 (1.5)	6	98 (2.2)	4	105 (0.1)	2	122 (0.0)
	2016	4	81 (1.5)	4	94 (3.4)	2	97 (0.0)	0	
	2017	3	93 (1.9)	7	94 (1.6)	3	108 (2.1)	1	89
	2018	2	86 (6.0)	4	96 (3.4)	3	93 (5.4)	0	
	2019	0		0		1	119	0	
Common Carp Gill Net	2015	12	86 (1.0)	6	87 (4.1)	0		0	
	2016	6	91 (1.0)	2	84 (0.0)	0		0	
	2017	3	87 (0.9)	6	84 (1.6)	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	2018	3	86 (5.3)	4	85 (2.7)	1	74	0	
	2019	0		1	84	0		0	
Largemouth Bass Electro Fishing	2015	10	110 (1.5)	18	111 (1.5)	8	110 (0.9)	0	
	2016	14	111 (2.5)	9	116 (2.4)	12	112 (1.4)	0	
	2018	10	110 (1.6)	20	114 (1.8)	9	116 (2.4)	0	
	2019	12	115 (2.4)	22	115 (1.5)	12	116 (2.4)	0	
Northern Pike Gill Net	2015	0		0		0		2	91 (0.0)
	2018	0		1	92	0		0	
Walleye Gill Net	2015	20	95 (1.2)	2	102 (0.0)	2	92 (0.0)	0	
	2016	4	92 (0.3)	8	98 (2.6)	2	91 (0.0)	0	
	2017	0		5	91 (1.0)	4	94 (2.6)	0	
	2018	2	91 (4.2)	1	88	5	84 (1.2)	0	
	2019	0		1	98	2	93 (0.6)	1	90
Yellow Perch Gill Net	2015	2	99 (0.0)	4	91 (1.4)	0		0	
	2016	6	95 (0.6)	8	86 (1.5)	0		0	
	2017	1	92	2	89 (6.9)	0		0	
	2018	0		2	90 (1.6)	0		0	
	2019	0		1	105	0		0	

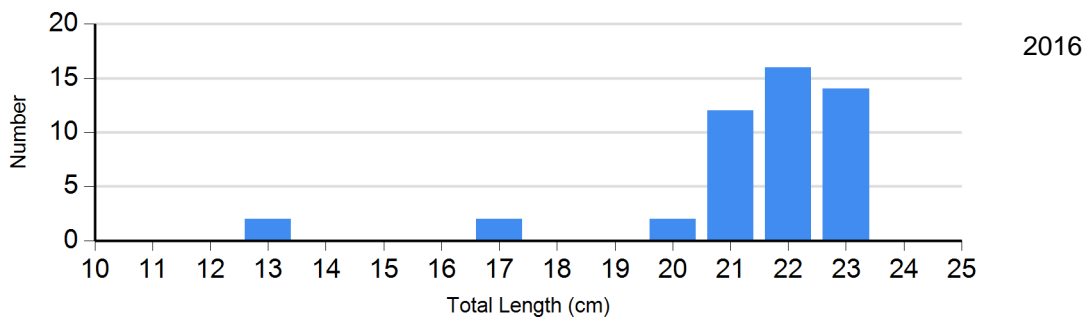
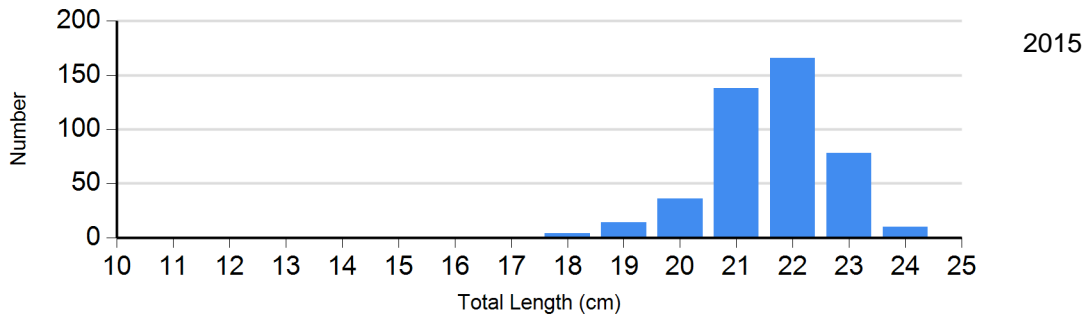
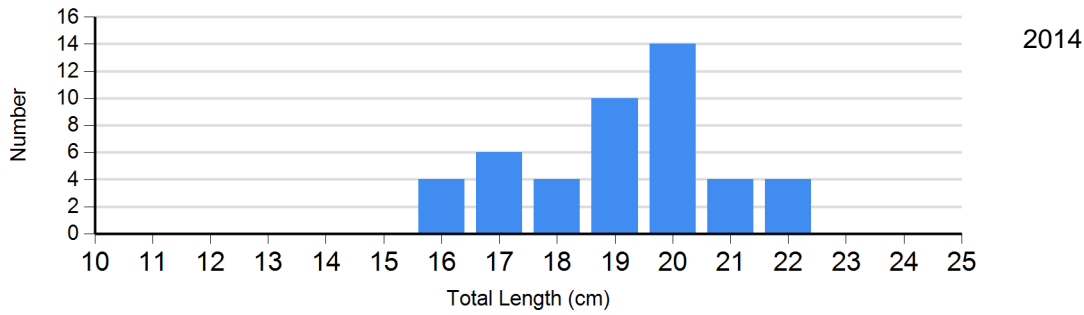
Length Frequency Distribution

Length frequency histogram of species sampled by year.

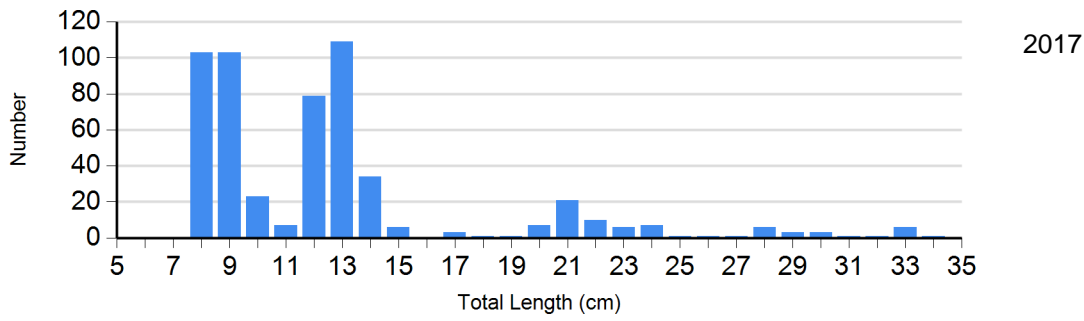
Species: Black Bullhead
Gear: AFS std gill net



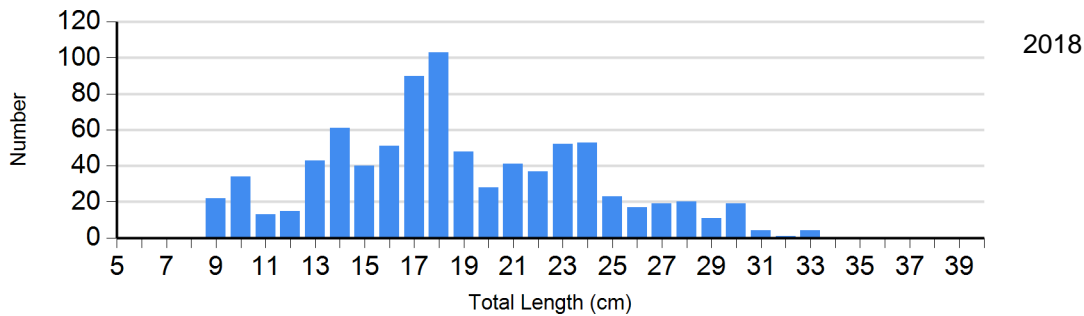
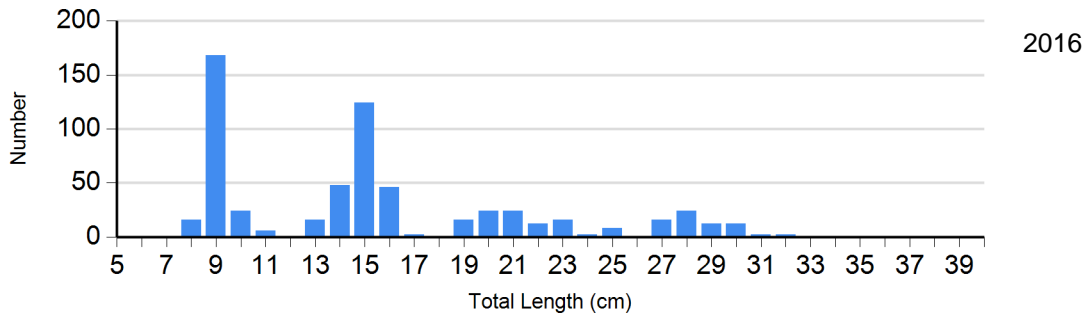
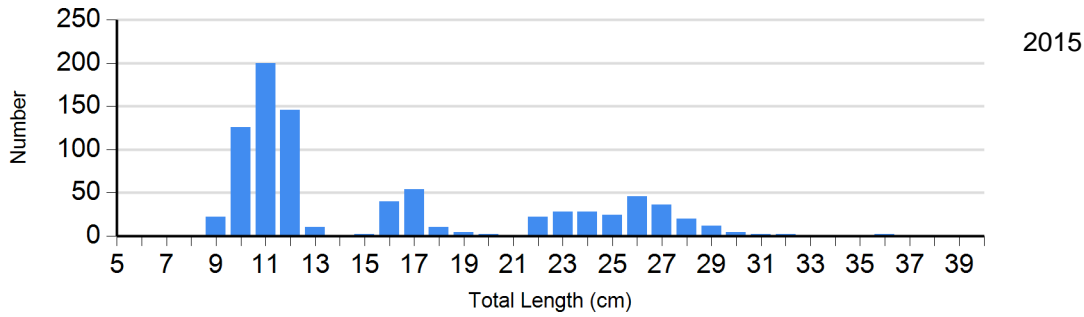
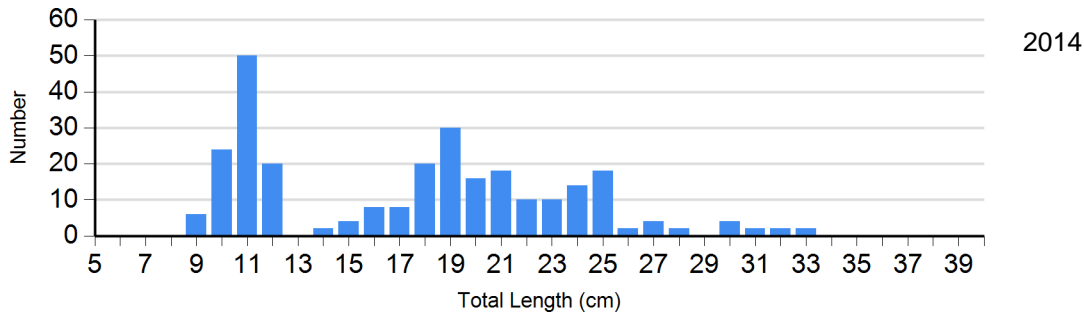
Species: Black Bullhead
Gear: std exp gill net

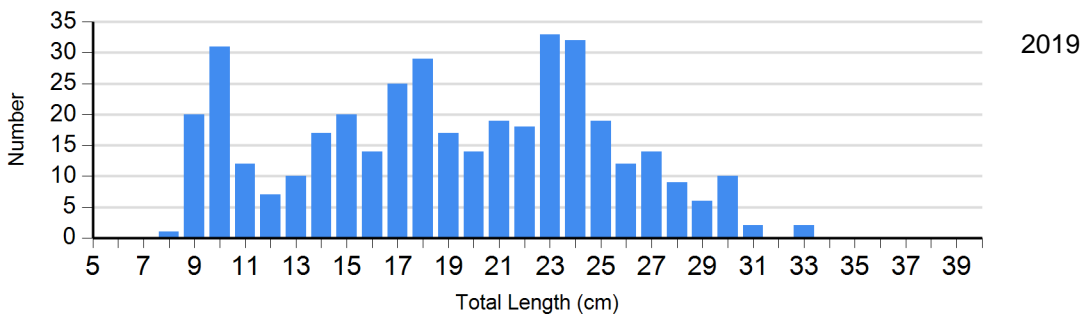


Species: Black Crappie
 Gear: AFS std frame net

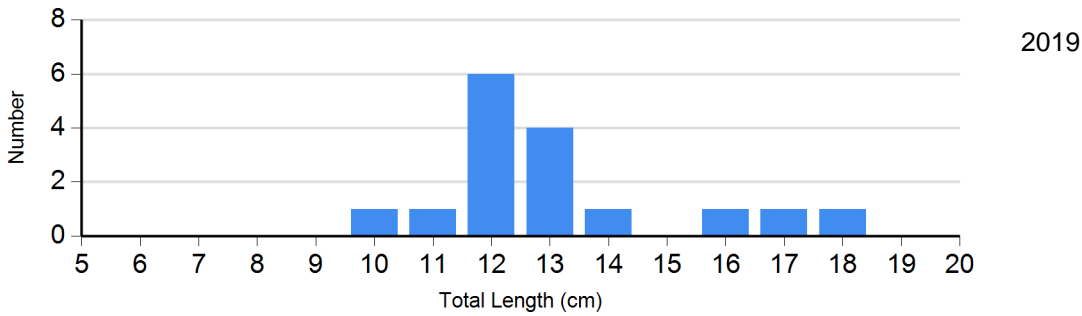
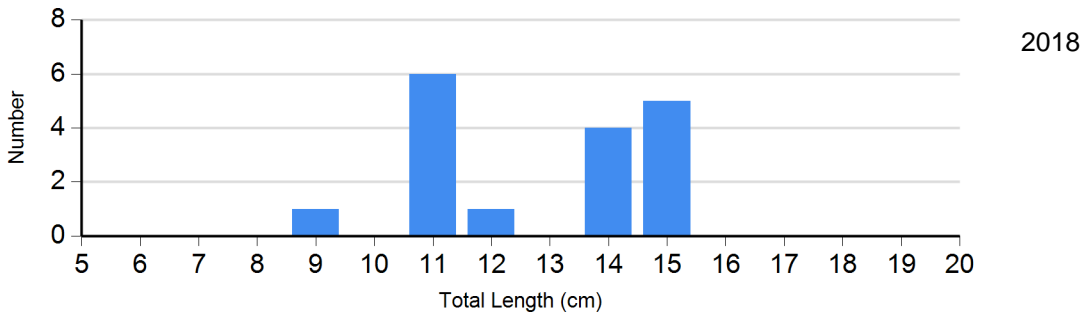


Species: Black Crappie
 Gear: frame net (std 3/4 in)

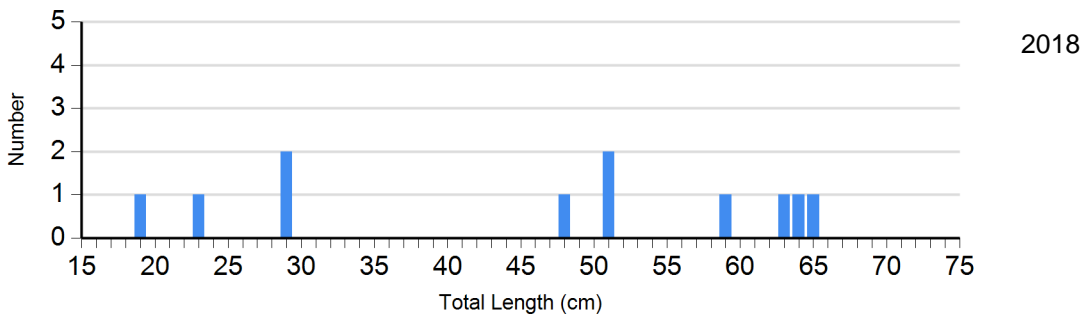
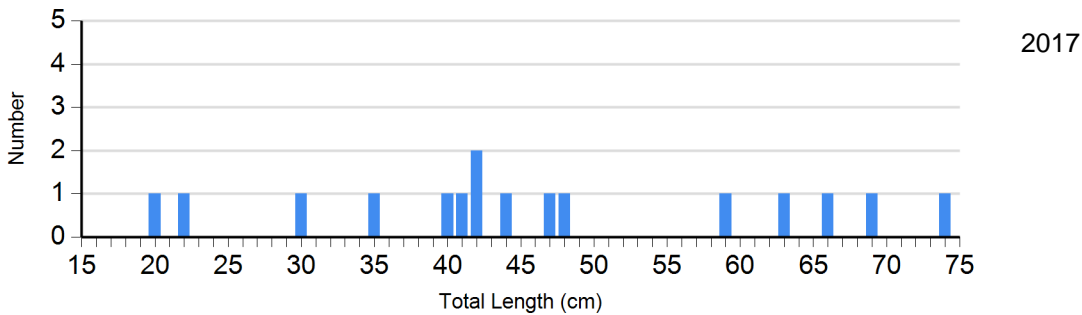




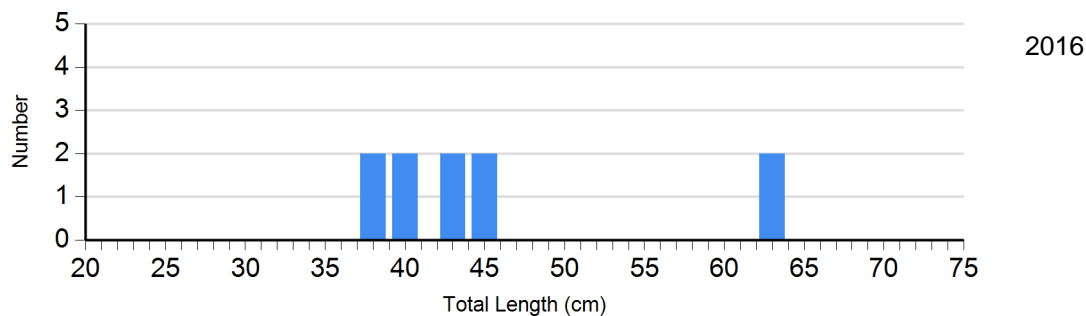
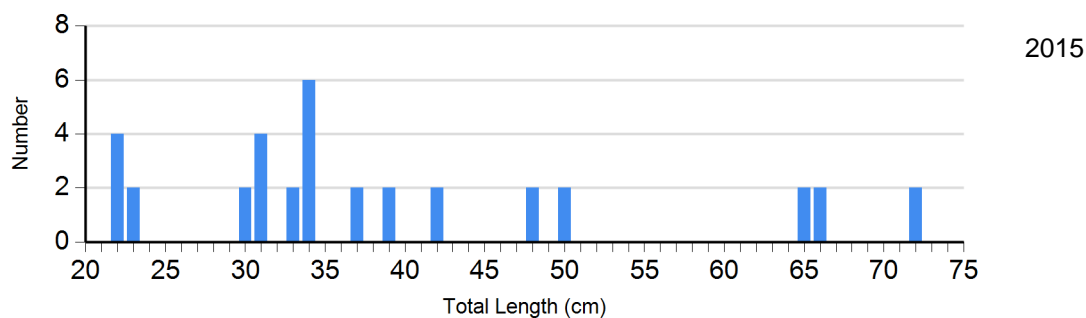
Species: Bluegill
Gear: frame net (std 3/4 in)



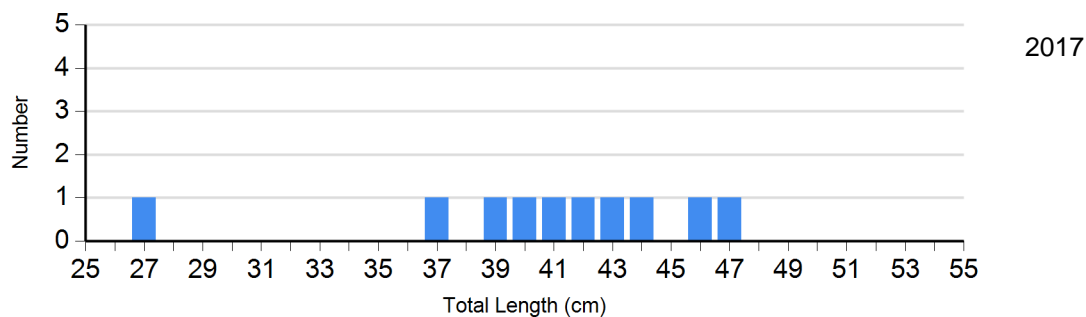
Species: Channel Catfish
Gear: AFS std gill net



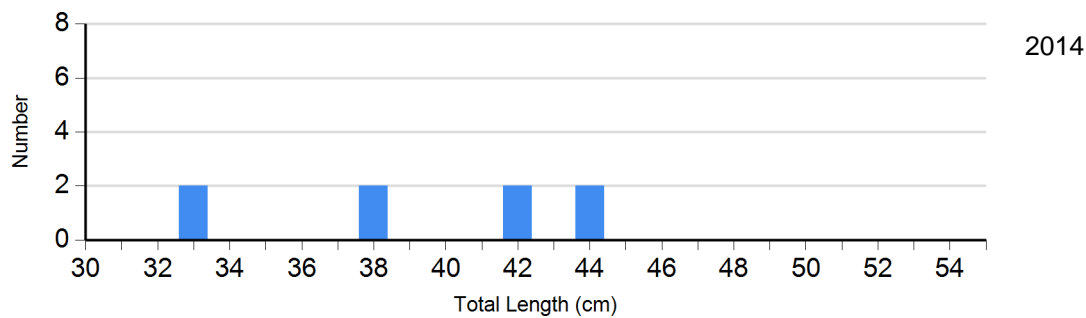
Species: Channel Catfish
Gear: std exp gill net

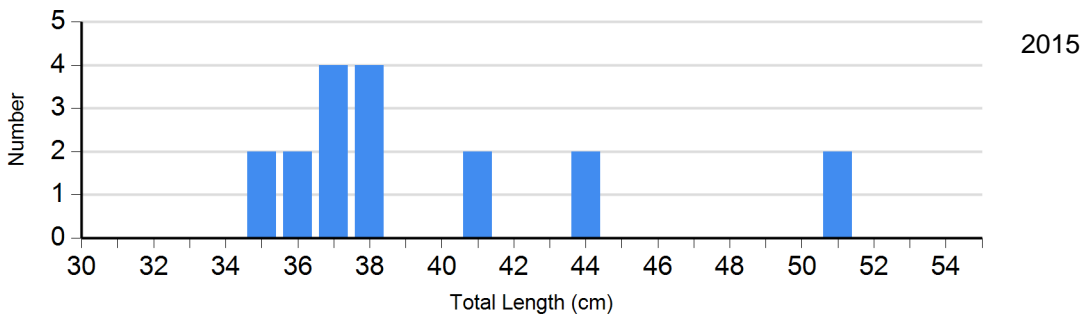


Species: Common Carp
Gear: AFS std gill net

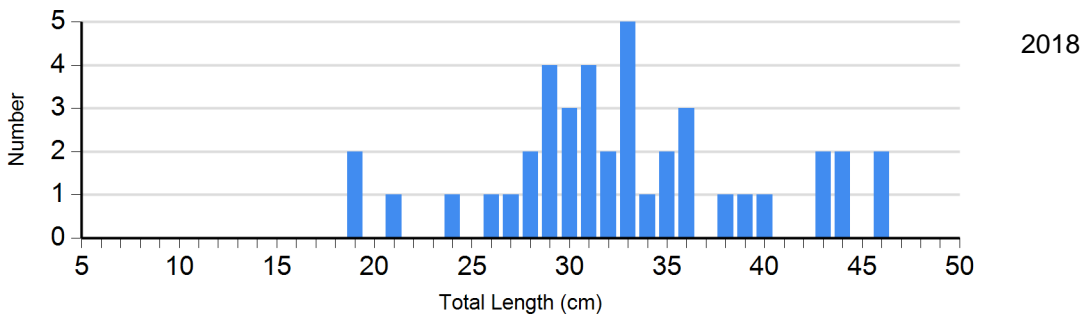
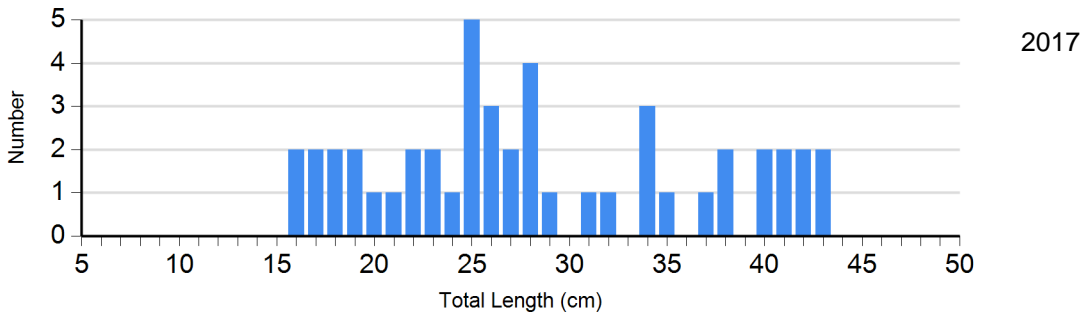
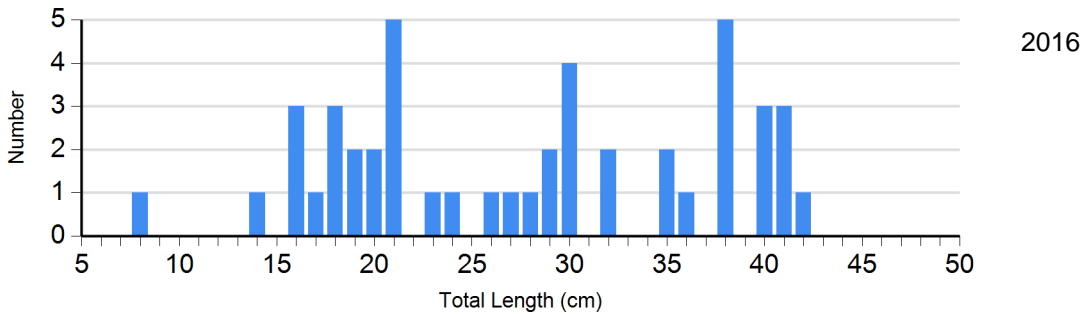
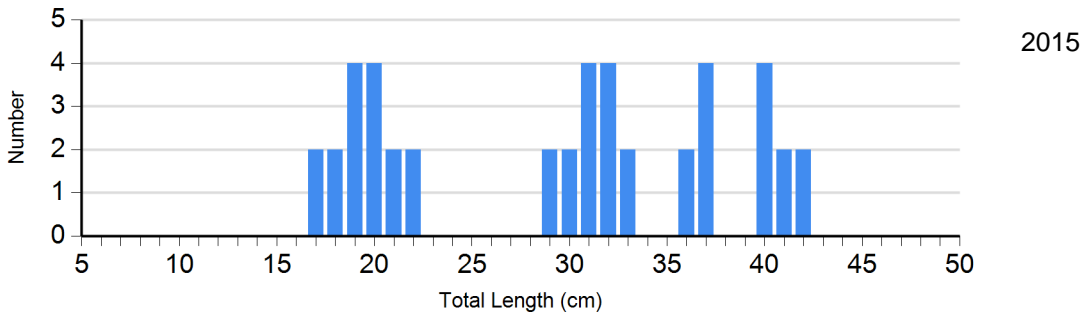


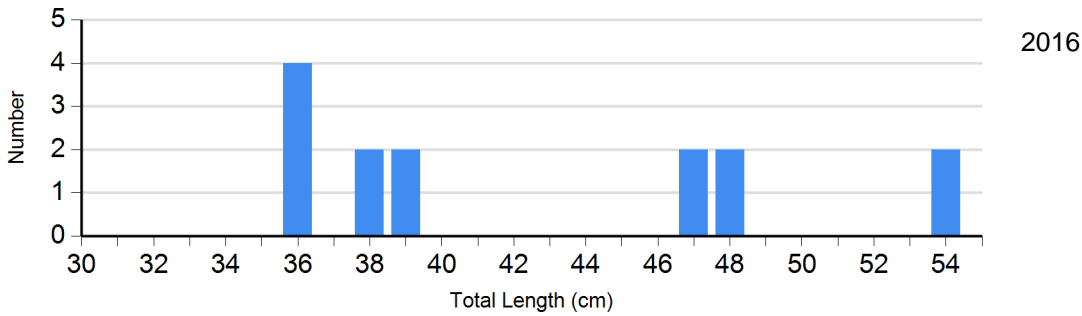
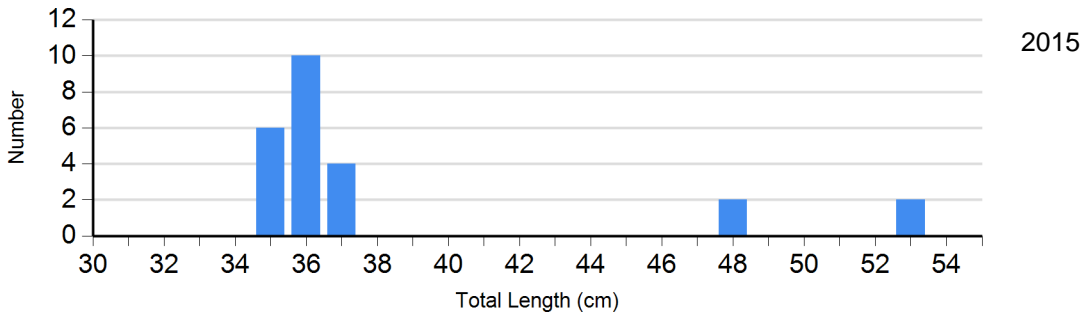
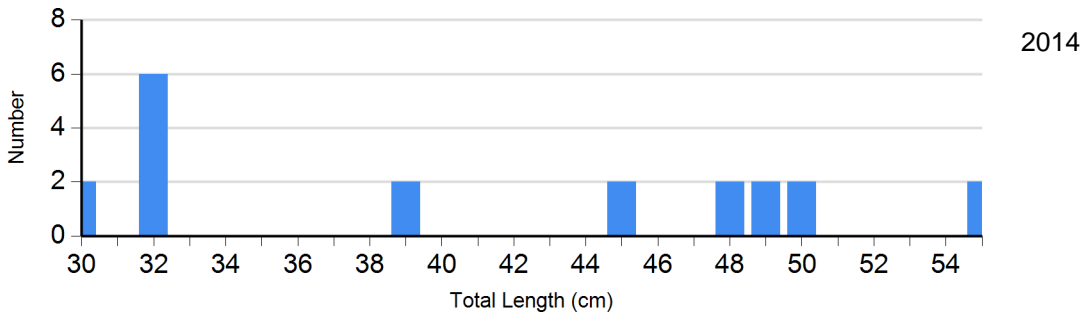
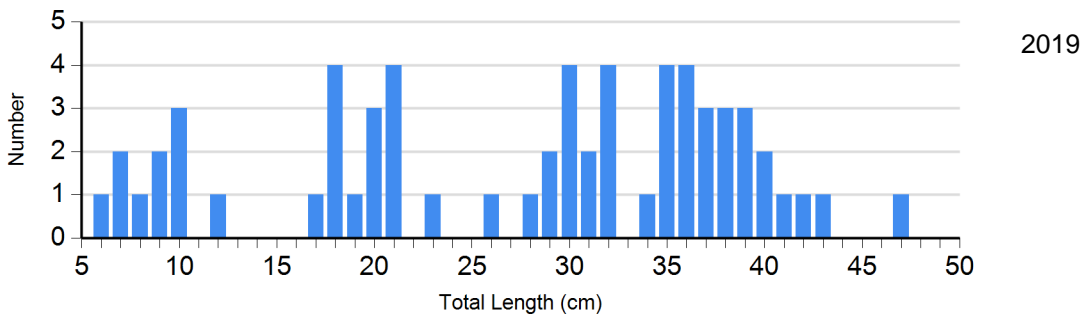
Species: Common Carp
Gear: std exp gill net



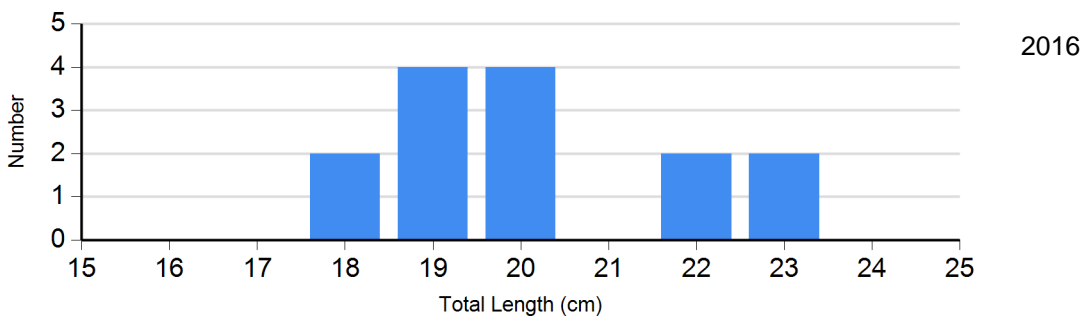


Species: Largemouth Bass
Gear: boat shocker (day)





Species: Yellow Perch
Gear: std exp gill net

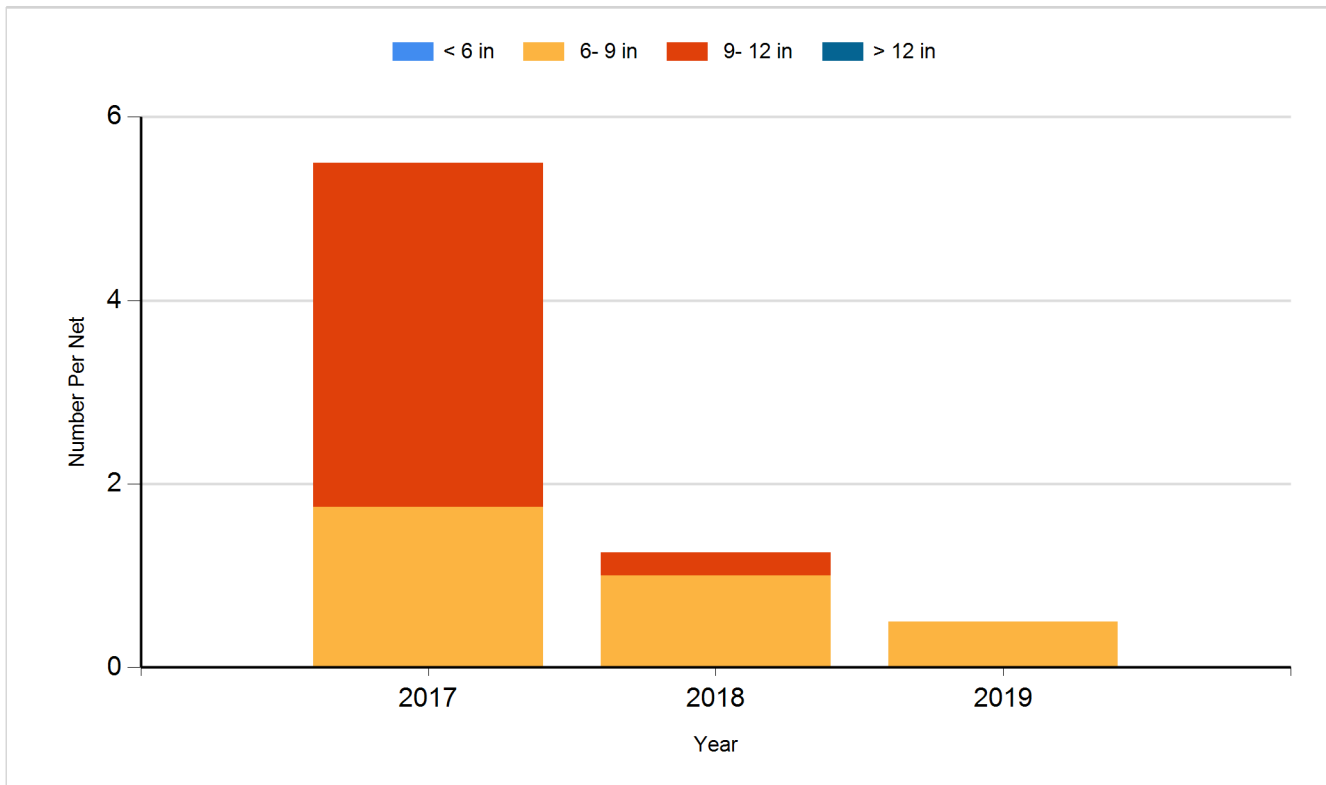


Historic Fish Sizes and Relative Abundance

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

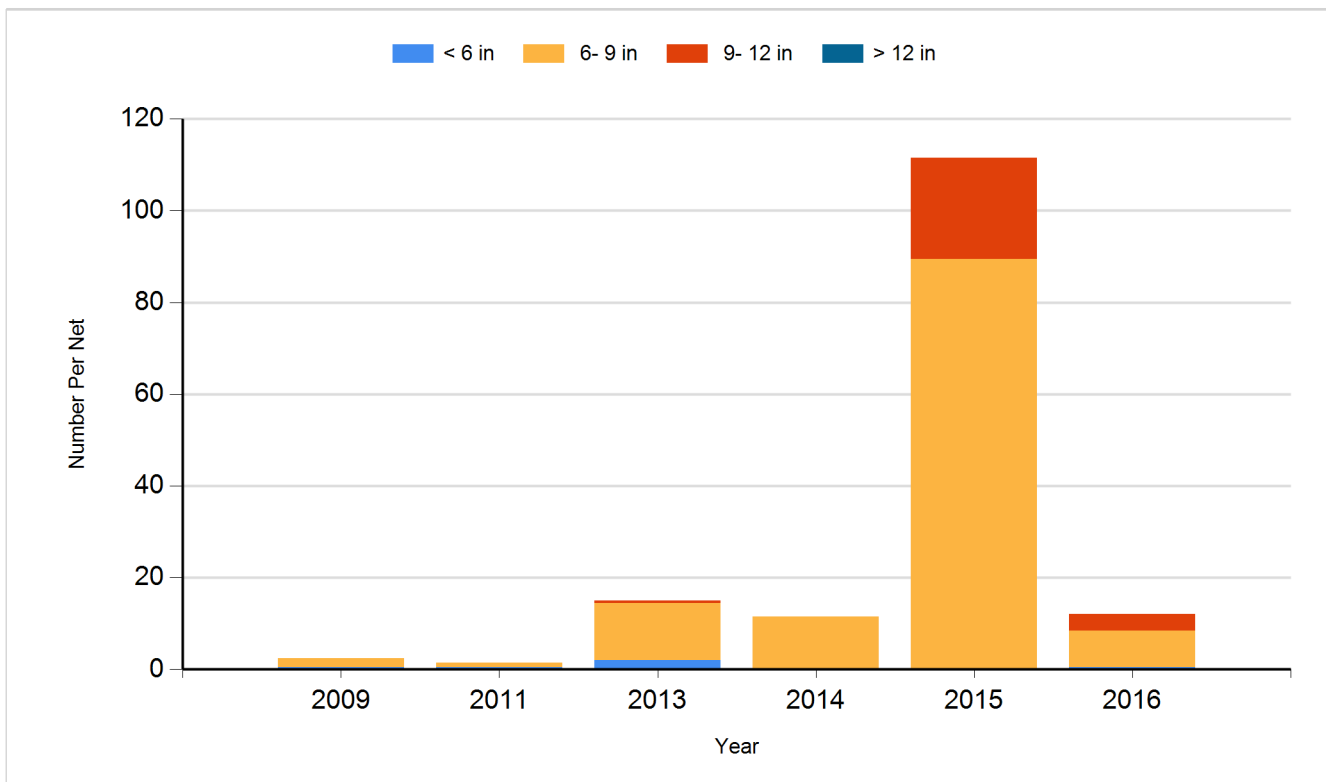
Species: Black Bullhead

Gear: AFS std gill net

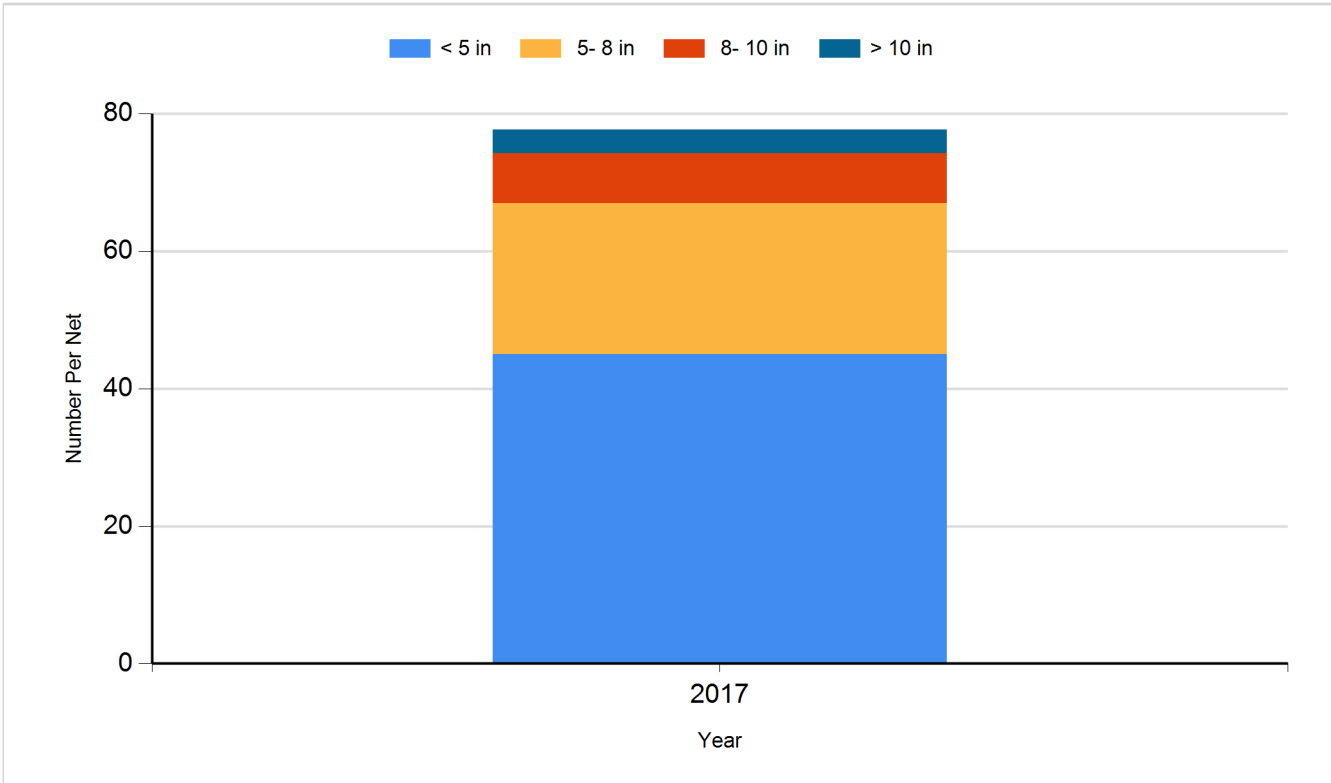


Species: Black Bullhead

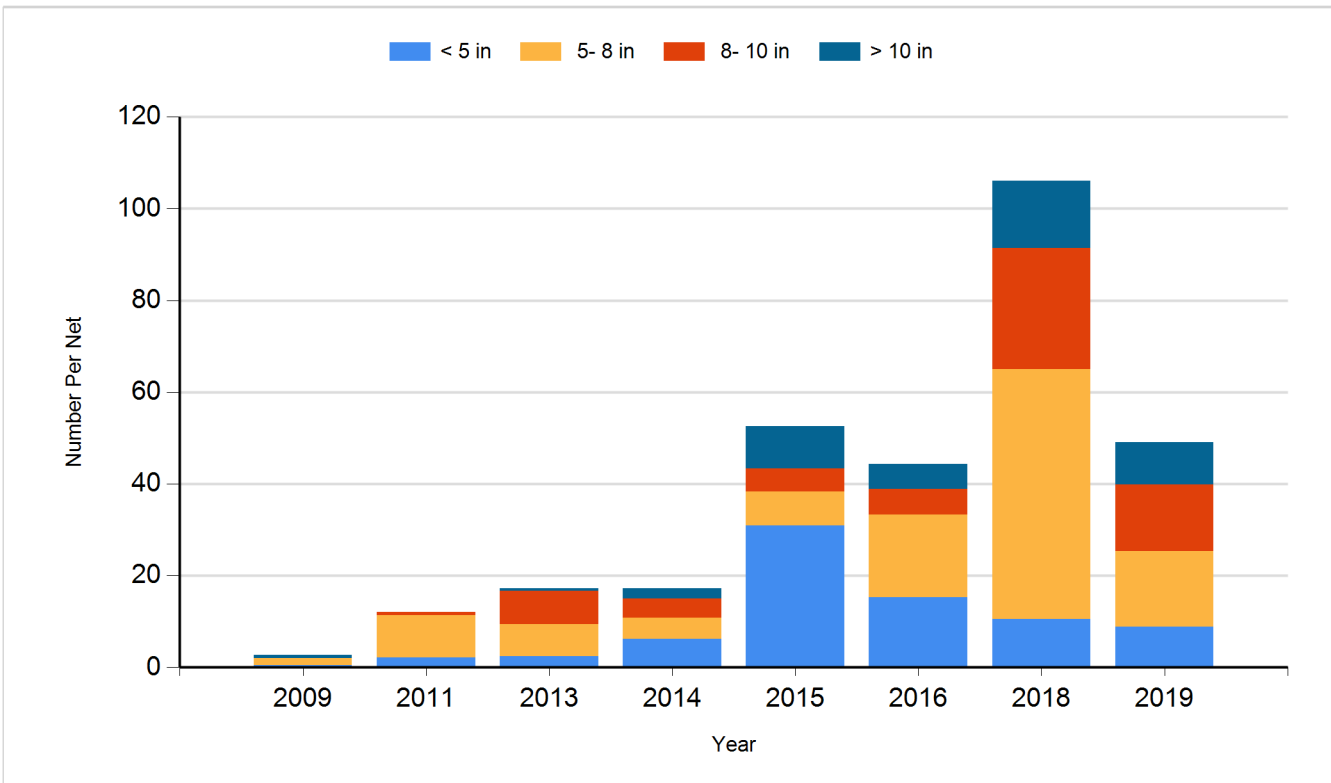
Gear: std exp gill net



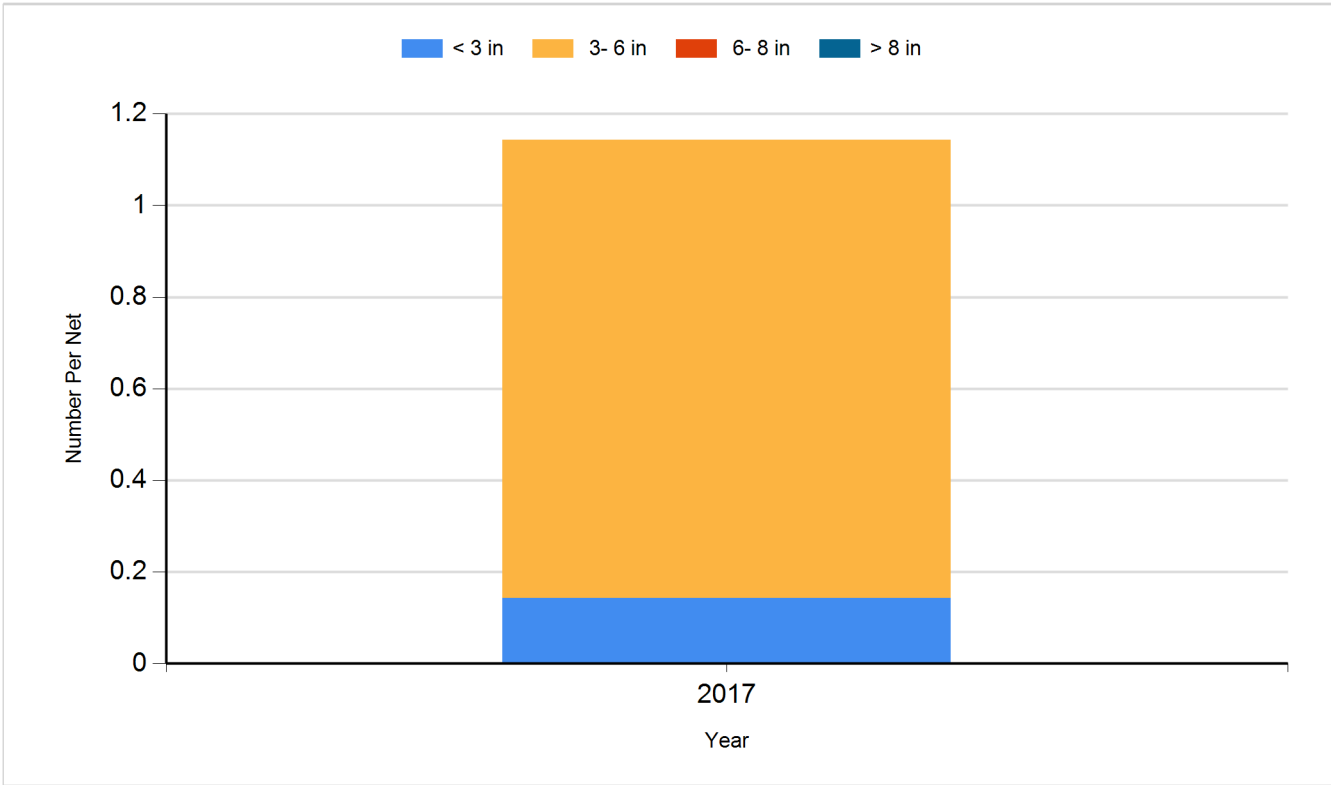
Species: Black Crappie
Gear: AFS std frame net



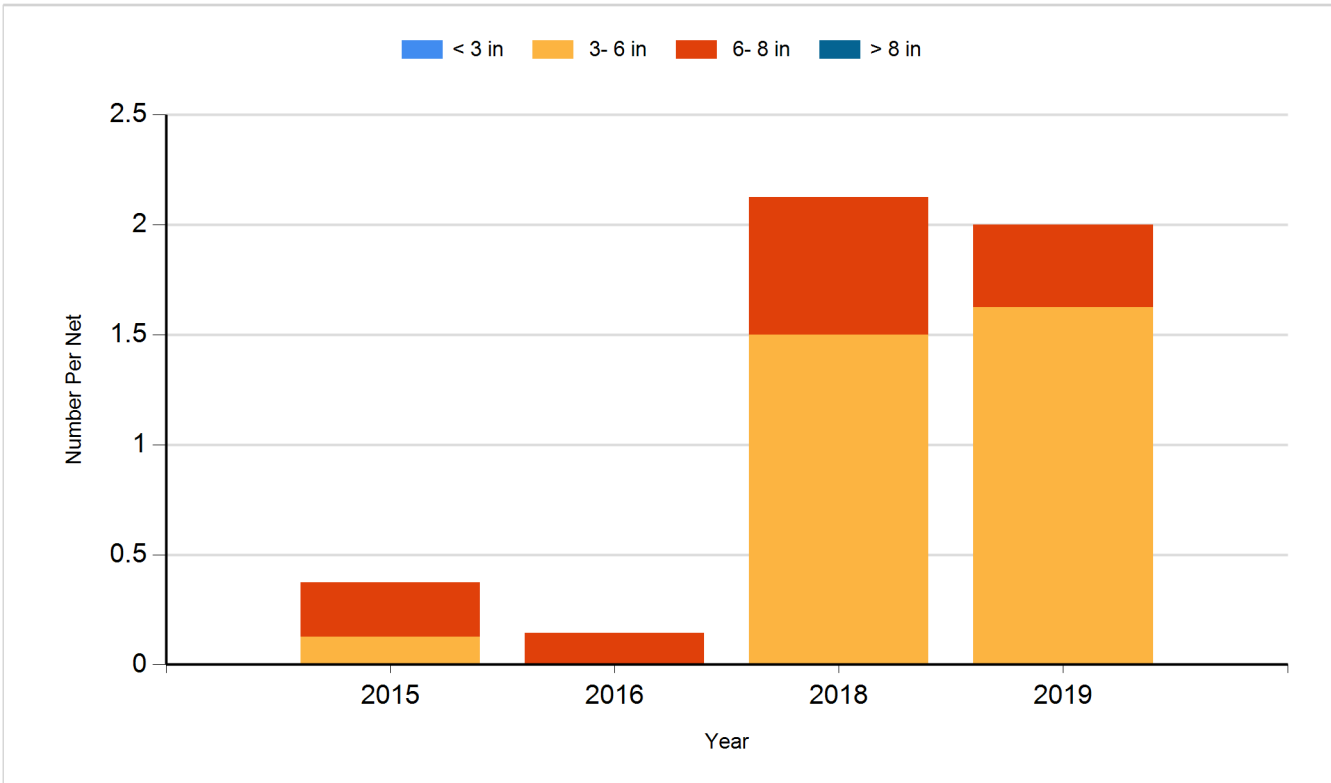
Species: Black Crappie
Gear: frame net (std 3/4 in)



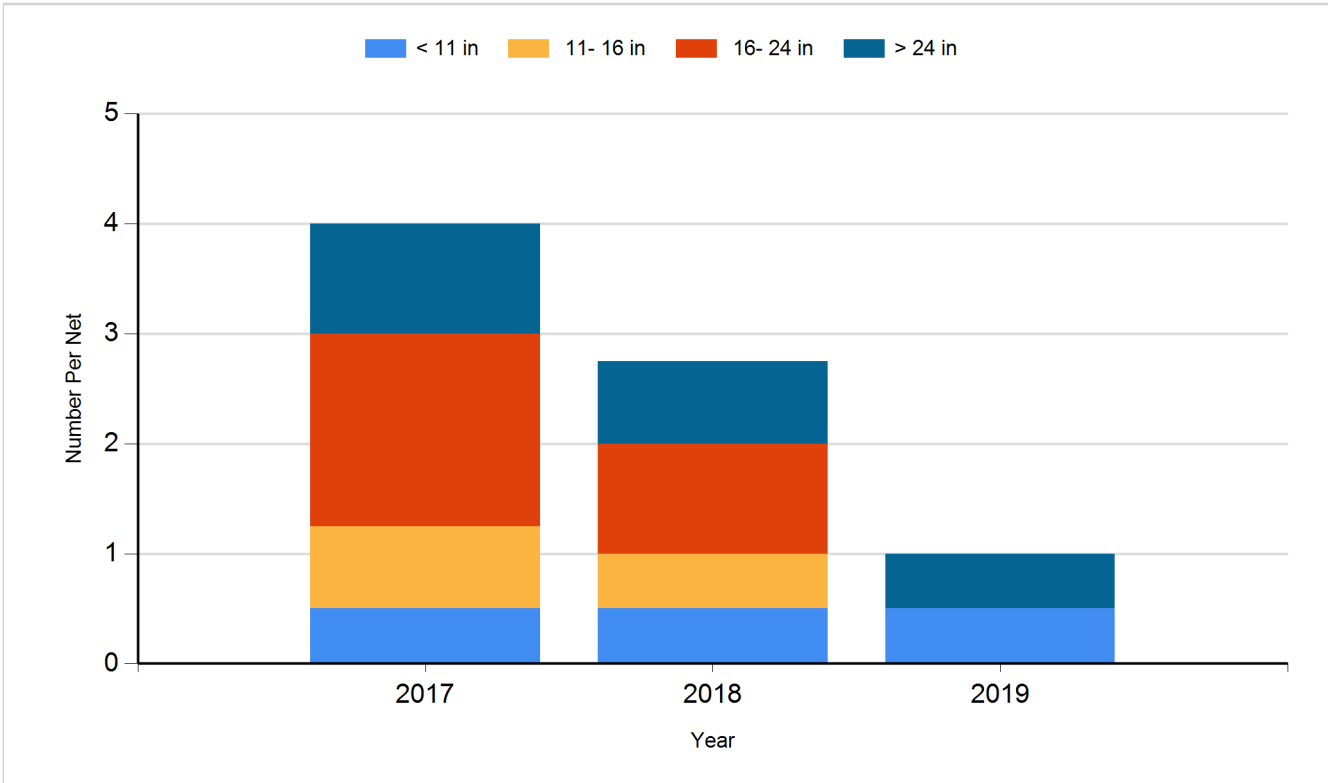
Species: Bluegill
Gear: AFS std frame net



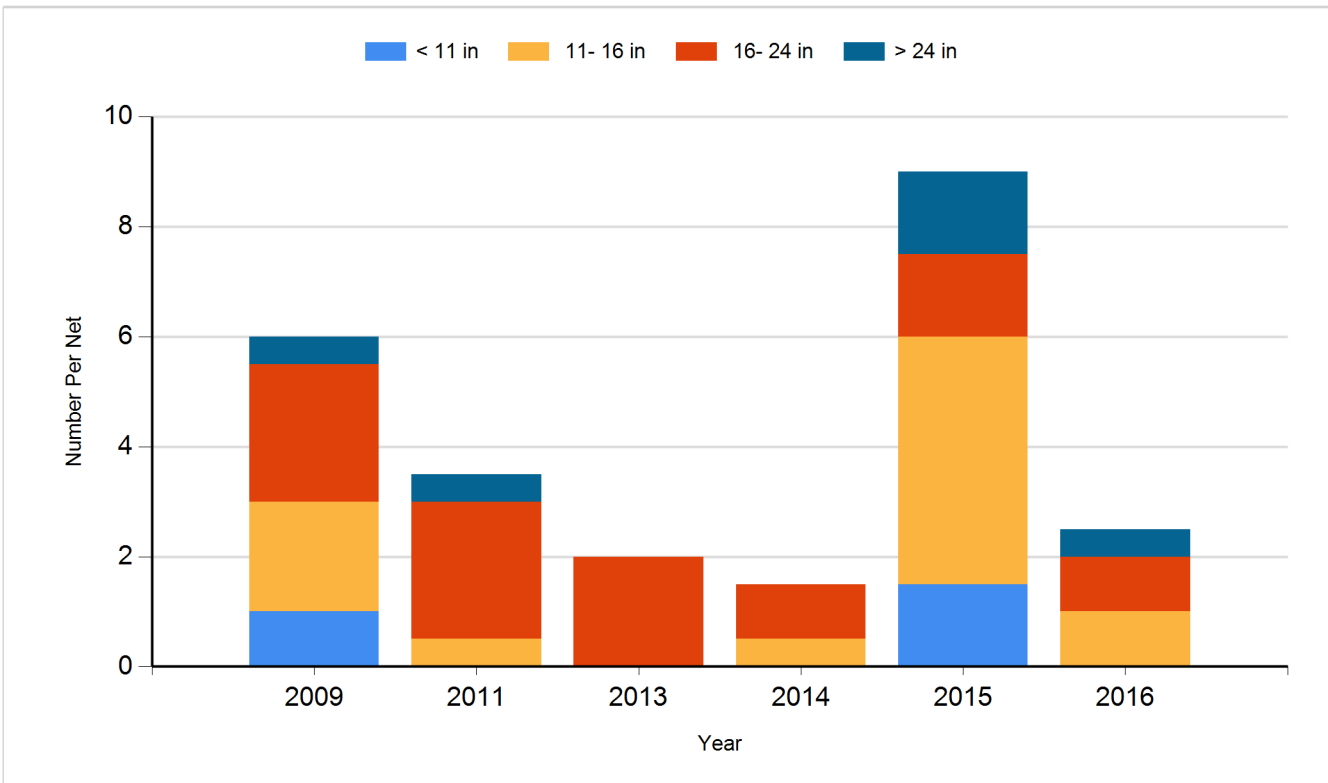
Species: Bluegill
Gear: frame net (std 3/4 in)



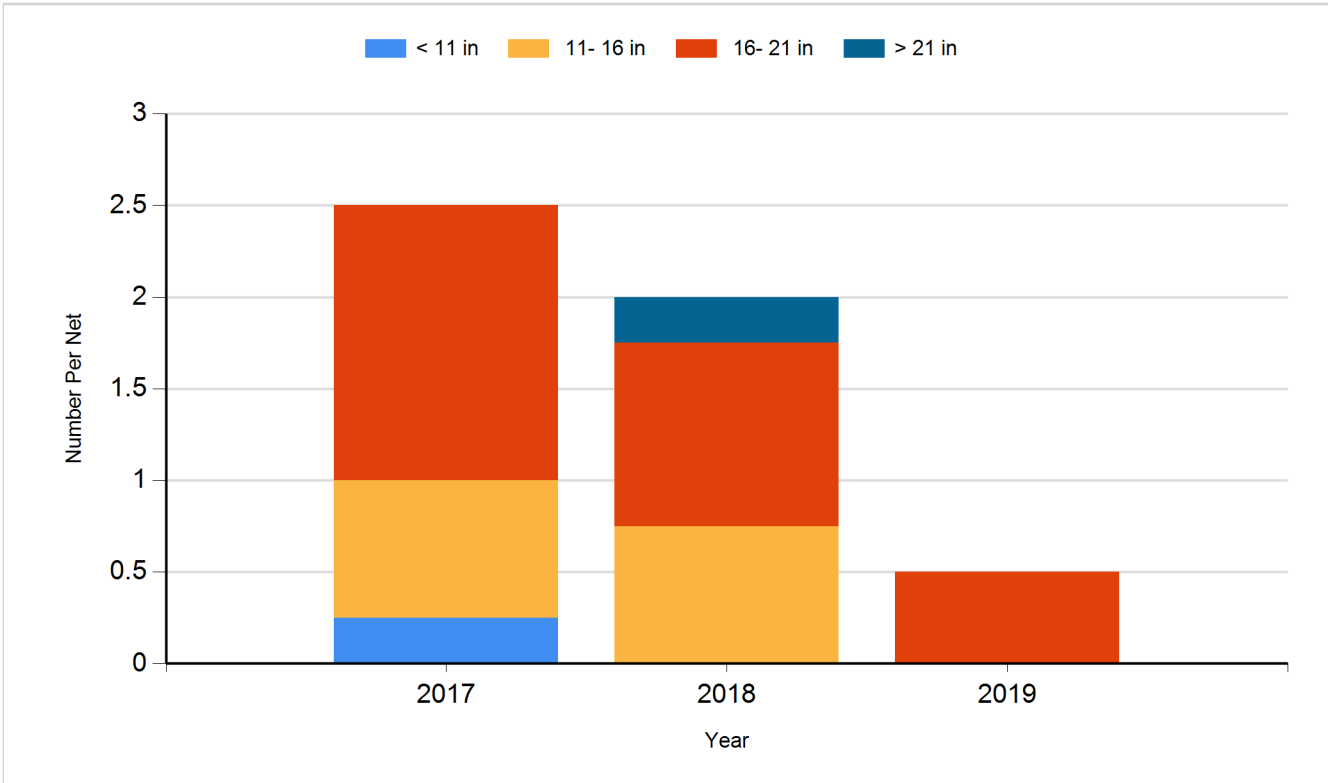
Species: Channel Catfish
Gear: AFS std gill net



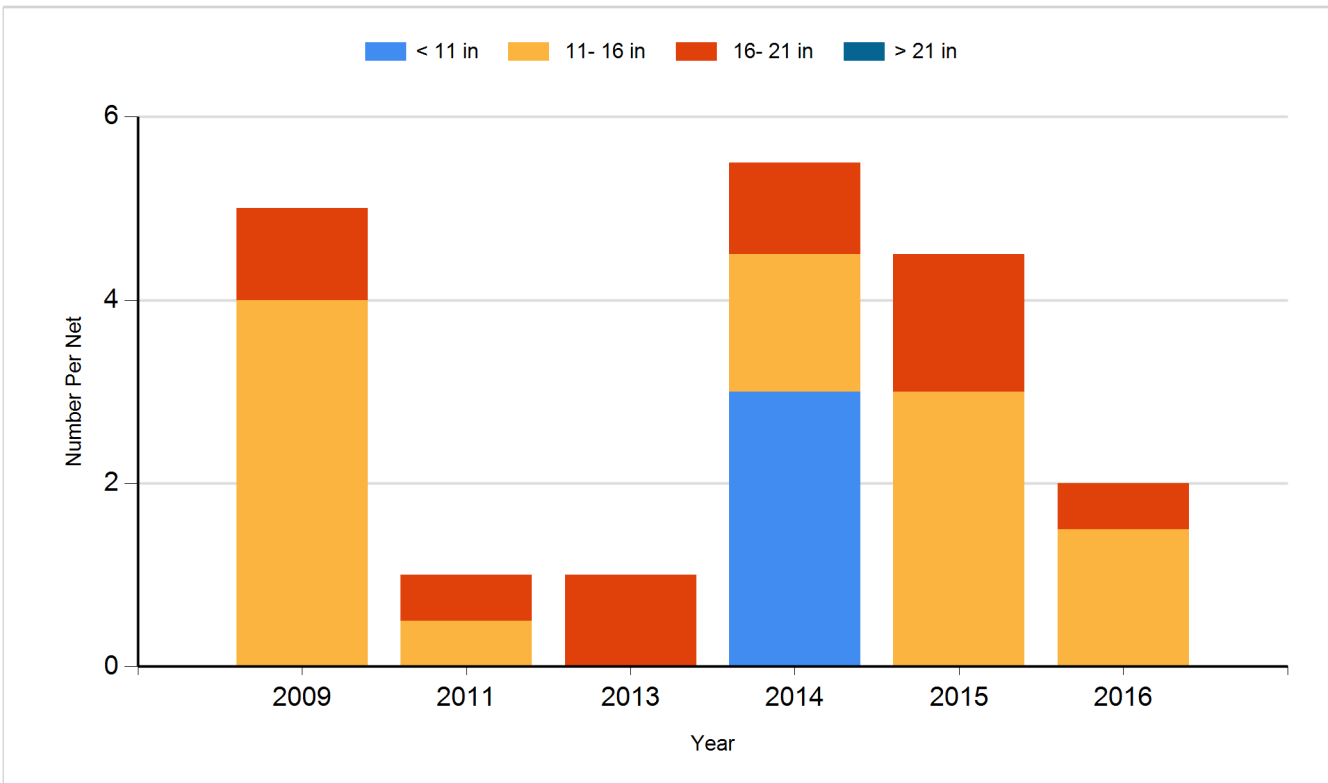
Species: Channel Catfish
Gear: std exp gill net



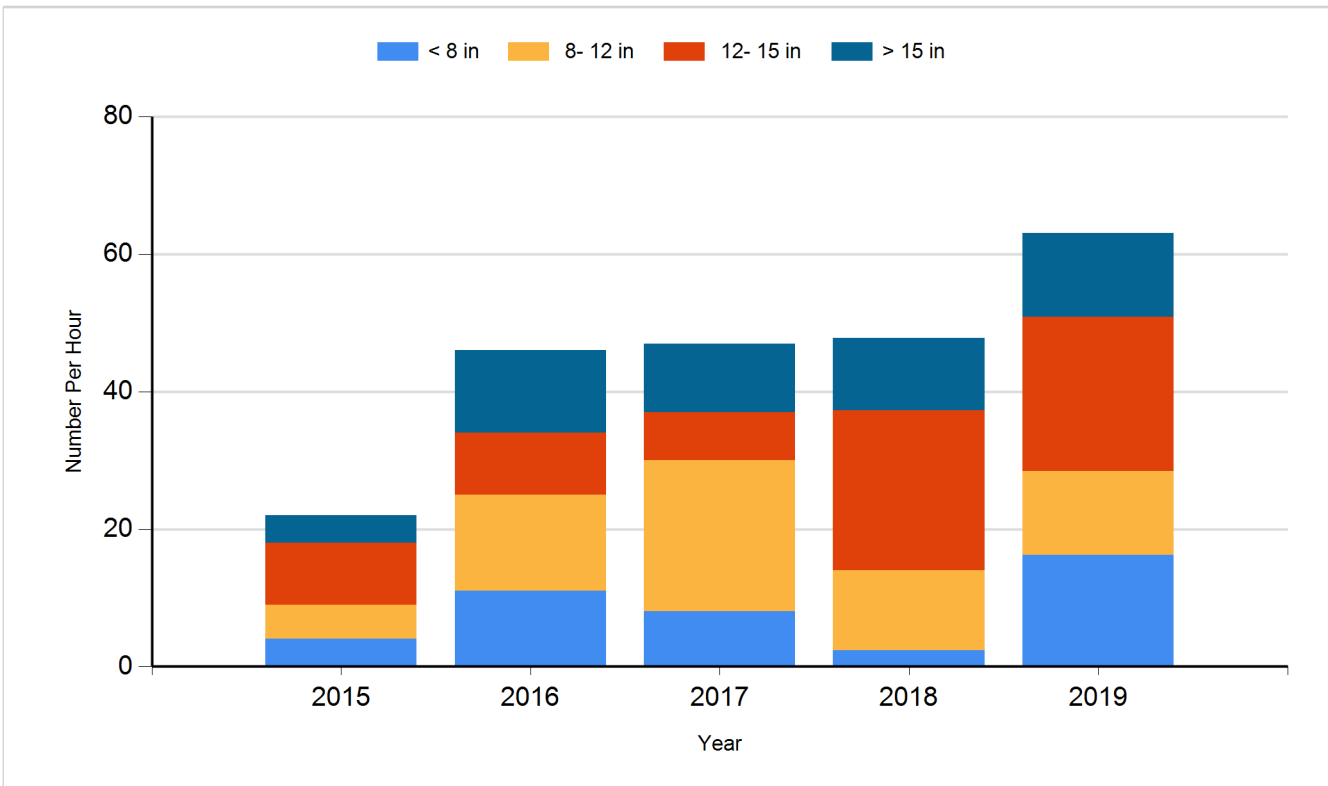
Species: Common Carp
Gear: AFS std gill net



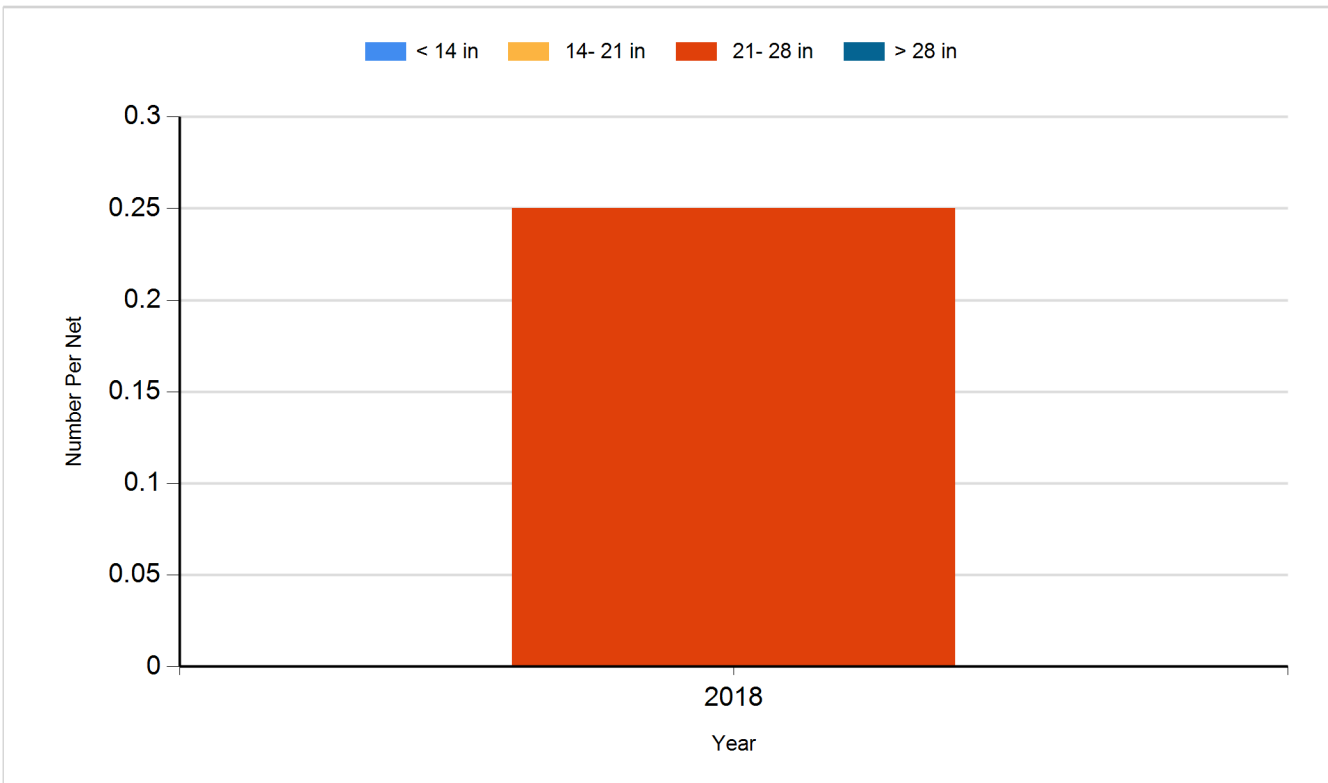
Species: Common Carp
Gear: std exp gill net



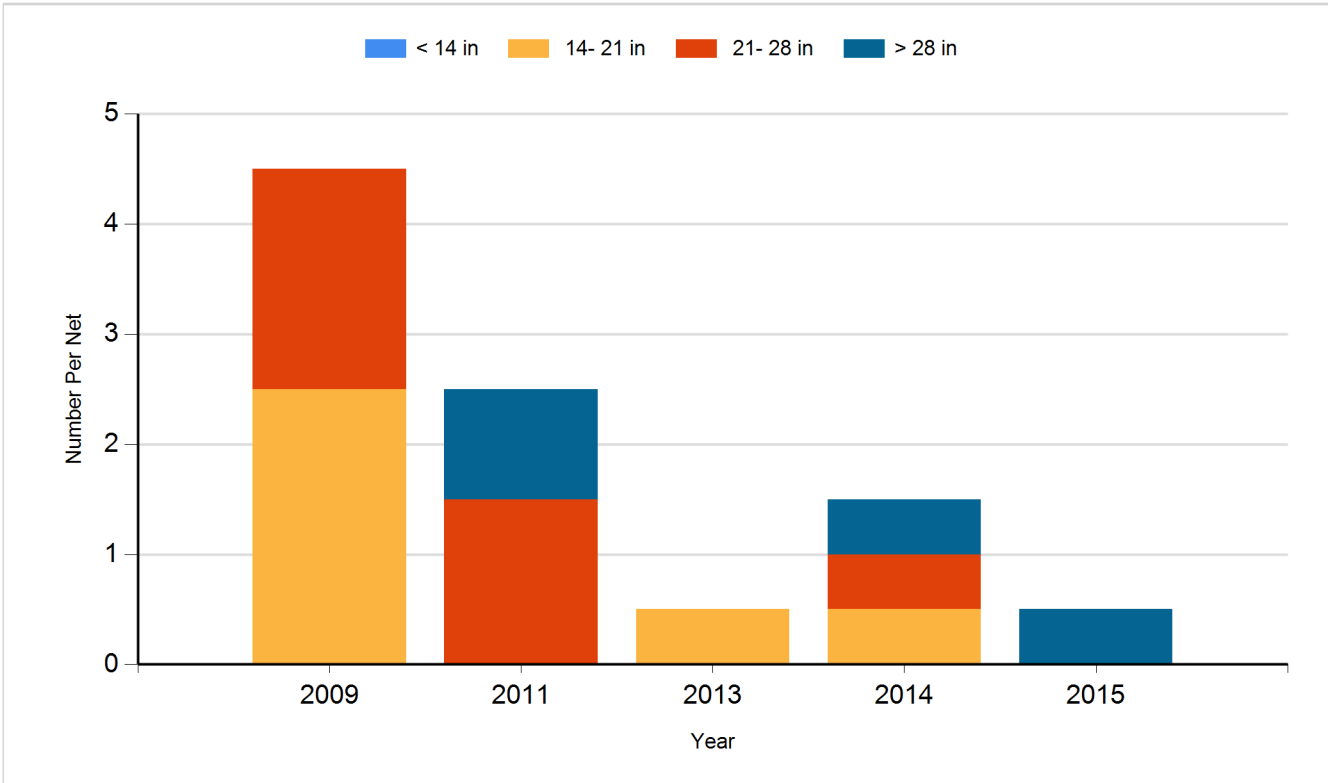
Species: Largemouth Bass
Gear: boat shocker (day)



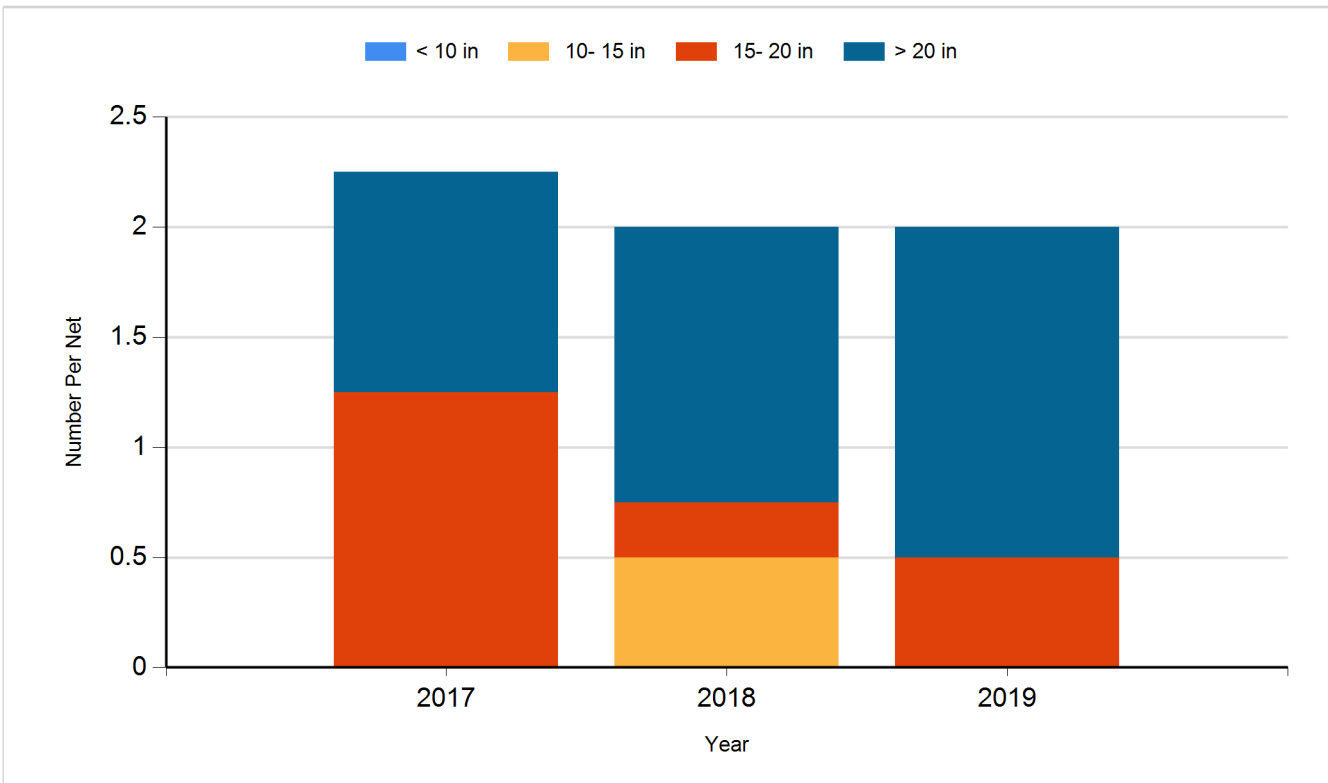
Species: Northern Pike
Gear: AFS std gill net



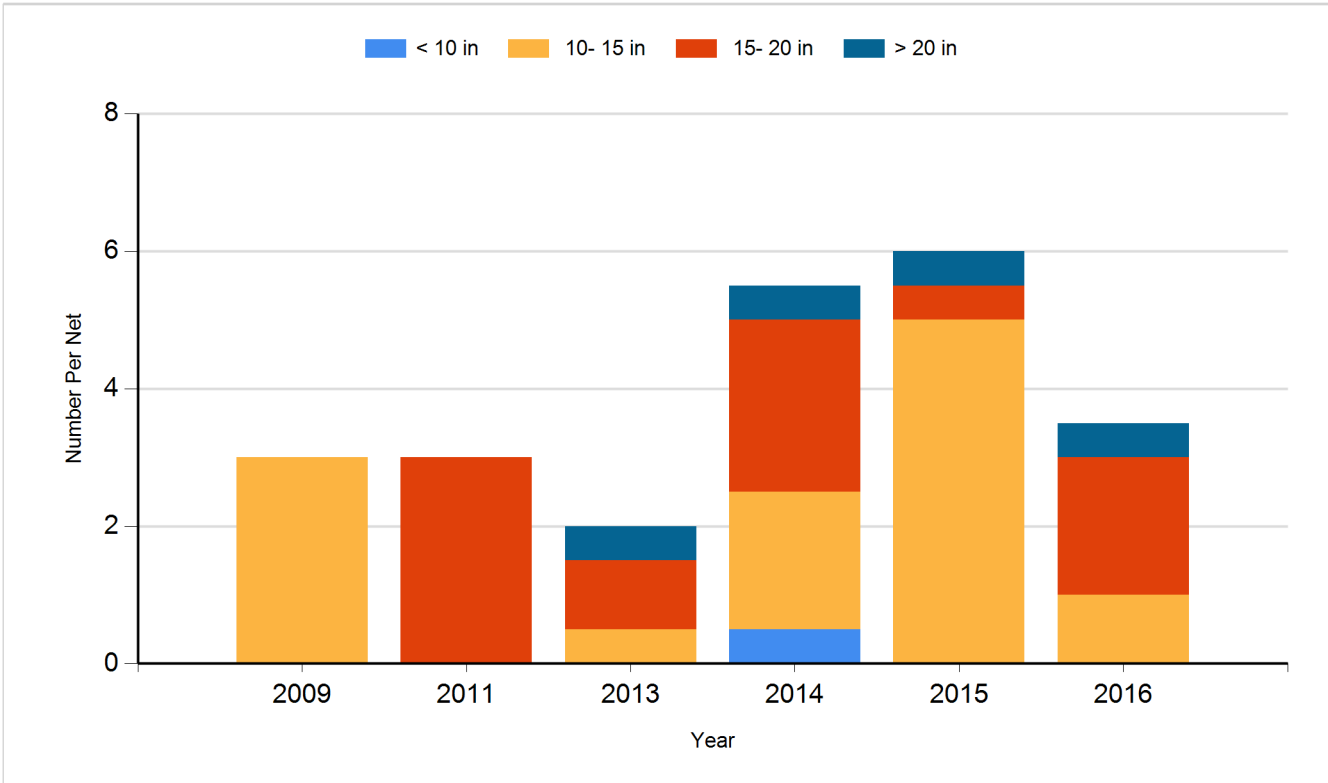
Species: Northern Pike
Gear: std exp gill net



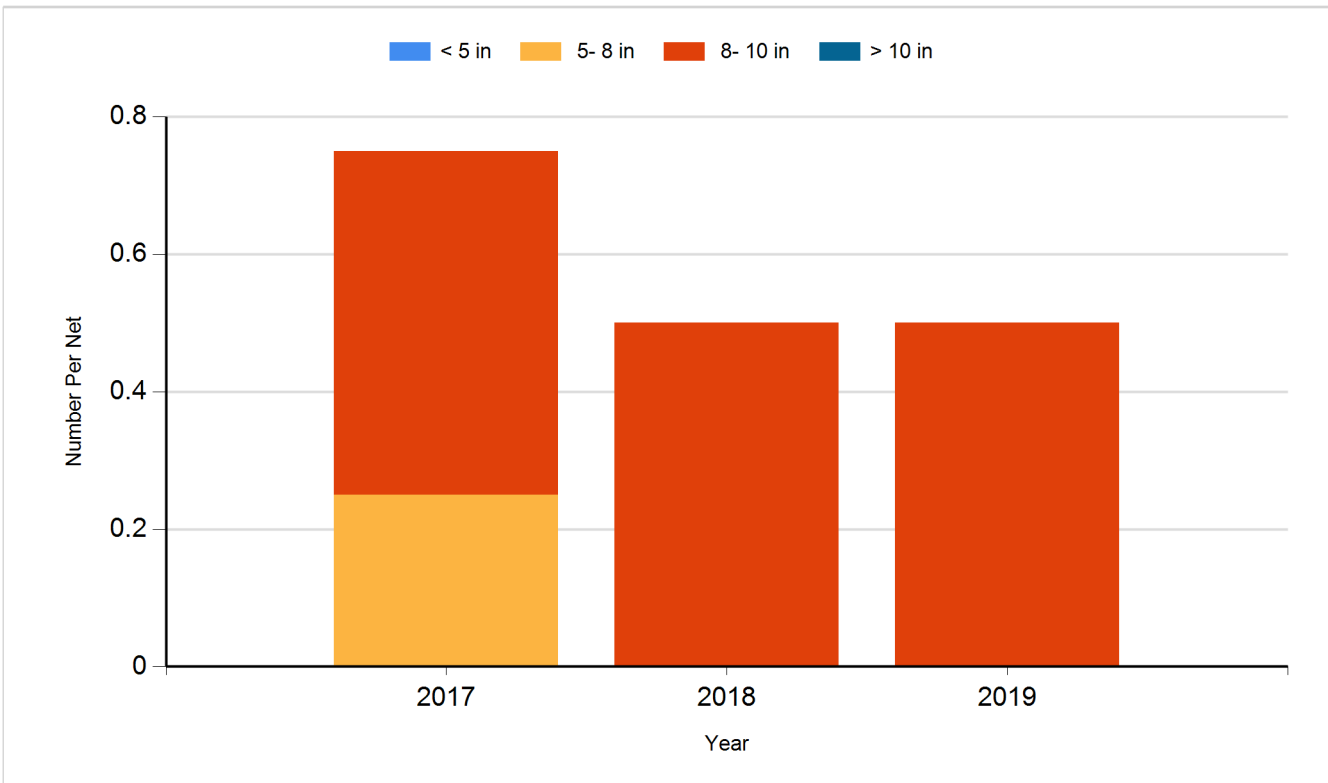
Species: Walleye
Gear: AFS std gill net



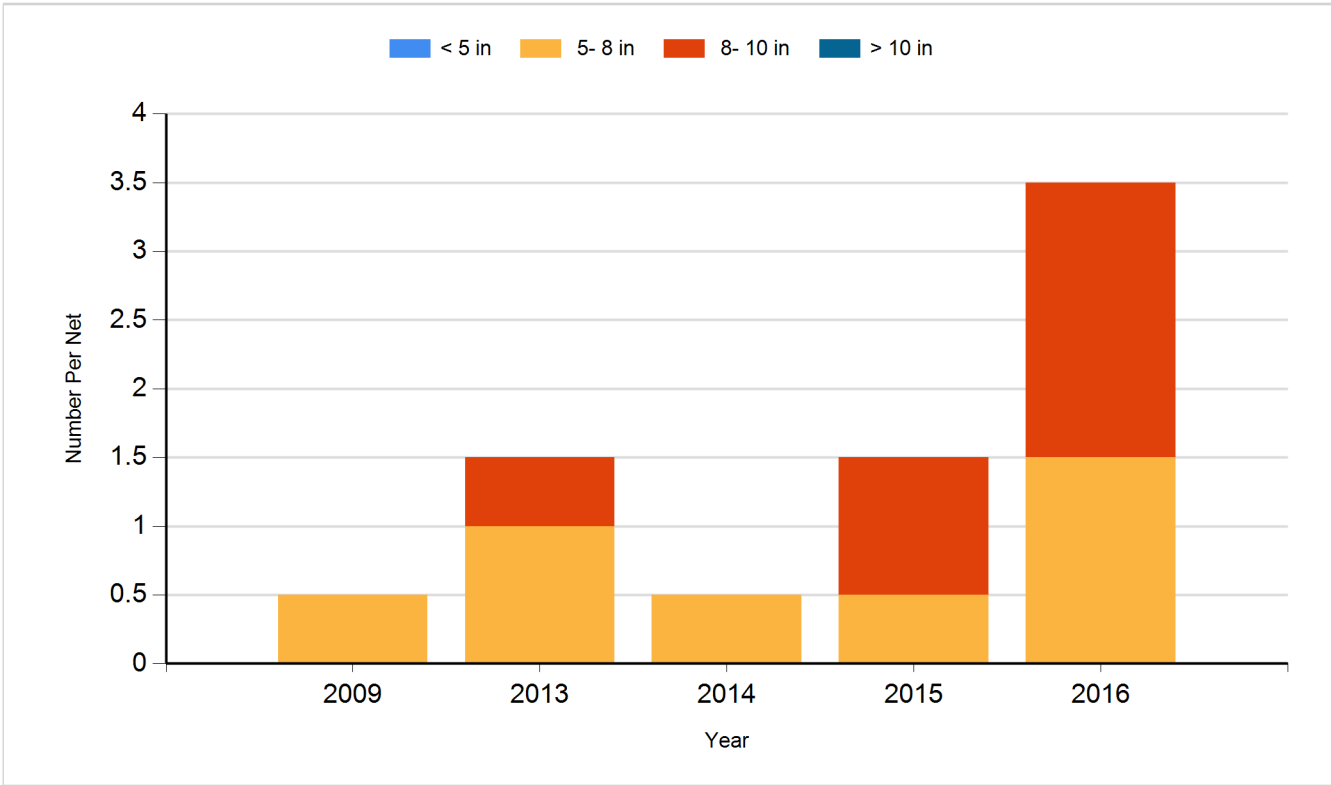
Species: Walleye
Gear: std exp gill net



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	Black Crappie	Adult	385
2008	Channel Catfish	Adult	800
2008	Largemouth Bass	Fingerling	3,000
2008	Northern Pike	Fry	420,000
2008	Walleye	Fingerling	20,800
2008	Yellow Perch	Adult	1,710
2009	Largemouth Bass	Fingerling	20,000
2012	Gizzard Shad	Adult	25
2012	Largemouth Bass	Fingerling	4,500
2012	Walleye	Fingerling	20,304
2013	Gizzard Shad	Adult	32
2013	Walleye	Fingerling	22,626
2014	Gizzard Shad	Adult	30
2014	Walleye	Fingerling	20,000
2016	Walleye	Fingerling	25,500
2017	Walleye	Small Fingerling	49,500
2018	Walleye	Small Fingerling	40,000
2019	Walleye	Small Fingerling	32,130