

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Madison, Lake County

LBS-Lake-135-000

2018

Lake Information

Name: Madison

County: Lake

Legal Description: T106-R51,52-Sec. 21-23, 25-27, 29, 30-32 **OHWM Elevation:** 1,604

Surface Area: 2,703 Acres **Outlet Elevation:** 1,603

Surveys and Investigations

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

Gear	Date	Effort
AFS std gill net	Jul 16, 2018	10 net-nights
frame net (std 3/4 in)	Jul 16, 2018	10 net-nights

Common Fish Species Present

Walleye

Black Bullhead

Common Carp

Yellow Perch

White Bass

Bigmouth Buffalo

Smallmouth Bass

Black Crappie

White Sucker

Bluegill

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	Bigmouth Buffalo	10	0.7	0.4	57		14			
	Black Bullhead	37	3.7	1.3	100		95			
	Black Crappie	2	0.2	0.2	50		0	102	2	
	Bluegill	1	0.1	0.1	100		100		118	
	Common Carp	20	2.0	0.8	100		90			
	Northern Pike	1	0.1	0.1	100		0		83	
	Smallmouth Bass	5	0.5	0.3	20		20		90	3
	Walleye	44	2.7	1.4	30	14	19	12	83	2
	White Bass	98	9.8	2.6	100		97		87	1
	White Sucker	37	3.7	1.6	78	11	78	11		
	Yellow Perch	112	11.2	3.7	79	6	50	7	107	1
frame net (std 3/4 in)	Bigmouth Buffalo	62	6.2	2.8	90	6	18	7		
	Black Bullhead	140	13.7	5.8	97		91	4		
	Black Crappie	41	4.1	2.3	100		56	12	100	2
	Bluegill	27	2.7	1.5	100		48	15	111	3
	Common Carp	126	12.6	4.2	99		83	5		
	Northern Pike	4	0.4	0.3	100		50		79	2
	Smallmouth Bass	53	5.3	1.9	32	10	8		88	2
	Sunfish Hybrid	5	0.0	0.0						
	Walleye	10	0.8	0.6	50		13		84	6
	White Bass	8	0.8	0.3	100		100		84	3
	White Sucker	4	0.4	0.4	100		100			
Yellow Perch	19	1.9	1.2	63	18	32	17	108	4	

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	Bigmouth Buffalo										1.2		1.2
	Black Bullhead										2.9		2.9
	Black Crappie										1.4		1.4
	Bluegill										0.5		0.5
	Common Carp										3.1		3.1
	Northern Pike										0.4		0.4
	Smallmouth Bass										1.9		1.9
	Sunfish Hybrid										0.0		0.0
	Walleye										0.9		0.9
	White Bass										1.5		1.5
	White Sucker										0.7		0.7
AFS std gill net	Bigmouth Buffalo										1.1	0.7	0.9
	Black Bullhead										4.9	3.7	4.3
	Black Crappie											0.2	0.2
	Bluegill										0.3	0.1	0.2
	Common Carp										3.6	2.0	2.8
	Northern Pike											0.1	0.1
	Smallmouth Bass										0.3	0.5	0.4
	Walleye										3.3	2.7	3.0
	White Bass										6.6	9.8	8.2
	White Sucker										8.5	3.7	6.1
	Yellow Perch										9.4	11.2	10.3
fall night EF-WAE	Walleye	27.0	710.0	28.0	2.5	113.5	31.0	10.0					131.7
	Yellow Perch				0.0								0.0
frame net (std 3/4 in)	Bigmouth Buffalo	11.0	4.0	4.3	5.7	3.6	8.0	9.3	9.1			6.2	6.8
	Black Bullhead	4.3	28.4	74.2	73.9	24.0	301.9	61.0	21.5			13.7	67.0
	Black Crappie	3.3	7.1	26.6	8.3	0.1	2.1	1.7	3.6			4.1	6.3
	Bluegill	0.1	7.7	3.9	1.4	0.7	8.6	1.7	3.8			2.7	3.4
	Channel Catfish			0.1									0.1
	Common Carp	3.2	2.0	2.2	8.2	6.3	16.6	14.2	7.6			12.6	8.1
	Green Sunfish		5.5	2.5		0.2	0.4	0.2	0.1				1.5
	Northern Pike	1.2		0.5	0.9	0.4	0.2	0.3	0.1			0.4	0.5
	Smallmouth Bass		0.2	0.2	0.1	0.1	3.5	0.9	2.4			5.3	1.6
	Sunfish Hybrid	0.0				0.0	0.0	0.0				0.0	0.0

		CPUE											
Gear	Species	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Avg	
frame net (std 3/4 in)	Walleye	0.9	0.5	1.9	16.8	0.2	0.2	0.7	1.7		0.8	2.6	
	White Bass	0.2	0.1	0.3	5.1	0.2		0.5	4.8		0.8	1.5	
	White Sucker	0.7	0.2	2.3	5.6	2.2	0.8	3.4	2.5		0.4	2.0	
	Yellow Perch	1.5	165.9	100.9	5.5	0.6	2.2	0.4	0.8		1.9	31.1	
std exp gill net	Bigmouth Buffalo	0.2	0.0		1.0		0.8	0.8				0.6	
	Black Bullhead	2.7	6.3	26.8	19.7	15.8	63.4	91.0	7.8			29.2	
	Black Crappie	0.2	2.3	10.8			0.2	0.3				2.8	
	Bluegill		0.3	1.0	0.3			0.5				0.5	
	Channel Catfish						0.2	0.3	0.2			0.2	
	Common Carp	0.3		2.5	0.3	0.0	1.4	3.5	2.2				1.5
	Green Sunfish			0.3		0.0							0.2
	Northern Pike	0.2		0.3	0.7		0.2		0.2				0.3
	Smallmouth Bass						0.6						0.6
	Spottail Shiner	0.0					0.0						0.0
	Walleye	11.0	19.0	12.8	23.7	9.6	7.0	7.3	17.8				13.5
	White Bass			1.5	0.0	1.2	0.8	0.8	0.8				0.9
	White Sucker	18.0	9.0	15.8	14.7	11.6	20.0	11.0	13.6				14.2
	Yellow Bullhead			0.3									0.3
	Yellow Perch	18.3	162.3	265.8	130.0	6.0	24.2	8.3	15.6				78.8

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	Bigmouth Buffalo	PSD										83		
		PSD-P										8		
	Black Bullhead	PSD										100		
		PSD-P										79		
	Black Crappie	PSD										43		
		PSD-P										36		
	Bluegill	Wr										111		
		PSD										80		
		PSD-P										20		
	Common Carp	Wr										144		
		PSD										100		
		PSD-P										32		
	Smallmouth Bass	PSD										53		
		PSD-P										16		
		Wr										89		
	Walleye	PSD										44		
		PSD-P										0		
		Wr										76		
	White Bass	PSD										87		
		PSD-P										73		
Wr											85			
White Sucker	PSD										100			
	PSD-P										100			
AFS std gill net	Bigmouth Buffalo	PSD										27	57	
		PSD-P										0	14	
	Black Bullhead	PSD										98	100	
		PSD-P										80	95	
	Black Crappie	PSD											50	
		PSD-P											0	
		Wr											102	
	Bluegill	PSD										100	100	
		PSD-P										33	100	
		Wr										119	118	

Gear	Species	Index	Year										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
AFS std gill net	Common Carp	PSD										100	100
		PSD-P										22	90
	Smallmouth Bass	PSD										0	20
		PSD-P										0	20
		Wr										94	90
	Walleye	PSD										52	30
		PSD-P										9	19
		Wr										80	83
	White Bass	PSD										86	100
		PSD-P										35	97
		Wr										93	87
	White Sucker	PSD										98	78
		PSD-P										94	78
		Wr											
	Yellow Perch	PSD										44	79
PSD-P											26	50	
Wr											105	107	
fall night EF-WAE	Walleye	Wr	107	95	100	105	83	98	92				
frame net (std 3/4 in)	Bigmouth Buffalo	PSD	47	65	98	40	31	66	13	84		90	
		PSD-P	21	20	12	12	3	10	3	8		18	
		Wr	99	100	97	89	104						
	Black Bullhead	PSD	77	77	24	95	99	25	90	97		97	
		PSD-P	19	6	3	24	31	16	16	30		91	
		Wr	98	99	93	90	103						
	Black Crappie	PSD	97	70	16	100	100	14	100	100		100	
		PSD-P	12	66	11	11	100	14	12	86		56	
		Wr	109	112	131	93	105	107	107	106		100	
	Bluegill	PSD	0	9	97	64	83	6	100	97		100	
		PSD-P	0	6	0	43	83	2	6	97		48	
		Wr	115	132	120	95	110	125	118	115		111	
	Common Carp	PSD	100	100	50	98	100	8	85	87		99	
		PSD-P	25	85	9	20	72	7	4	37		83	
		Wr	96	102	93	101	100						
	Smallmouth Bass	PSD		0	0	100	100	0	0	38		32	
		PSD-P		0	0	0	100	0	0	0		8	
		Wr		119	109	88	102	100	97	97		88	
	Walleye	PSD	33	20	16	2	0	50	29	0		50	

Gear	Species	Index	Year									
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
frame net (std 3/4 in)	Walleye	PSD-P	11	0	0	2	0	0	14	0		13
		Wr	91	92	90	86	97	83	79	81		84
	White Bass	PSD	100	100	67	100	100		60	98		100
		PSD-P	100	0	33	84	100		20	38		100
		Wr	98	100	96	84	100		92	92		84
	White Sucker	PSD	100	50	87	100	100	50	100	100		100
		PSD-P	100	50	48	86	95	50	91	100		100
		Wr	100	95	100	84	103					
	Yellow Perch	PSD	80	8	4	96	0	9	100	13		63
		PSD-P	13	5	1	24	0	0	75	13		32
		Wr	103	99	101	90	123	93	98	97		108
std exp gill net	Bigmouth Buffalo	PSD	100	0		33		0	0			
		PSD-P	0	0		0		0	0			
		Wr	97			92						
	Black Bullhead	PSD	88	68	33	97	91	22	88	97		
		PSD-P	0	5	5	3	29	11	1	8		
		Wr	104	109	111	89	107					
	Black Crappie	PSD	0	29	2			0	100			
		PSD-P	0	29	2			0	0			
		Wr	112	113	120			116	117			
	Bluegill	PSD		0	100	100			100			
		PSD-P		0	0	0			100			
		Wr		124	114	98			110			
	Common Carp	PSD	100		30	100	0	0	100	91		
		PSD-P	50		10	0	0	0	14	73		
		Wr	85		98	85			58			
	Smallmouth Bass	PSD							33			
		PSD-P							33			
		Wr							99			
	Walleye	PSD	15	39	49	6	48	89	0	1		
		PSD-P	2	0	10	3	0	11	0	0		
		Wr	88	91	87	77	100	85	86	86		
	White Bass	PSD			100	0	100	100	0	100		
		PSD-P			17	0	50	100	0	25		
		Wr			102		106	91	98	97		
	White Sucker	PSD	93	74	98	98	93	38	98	94		
		PSD-P	84	70	65	77	90	26	64	91		

Gear	Species	Index	Year										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
std exp gill net	White Sucker	Wr	107	98	101	87	113						
	Yellow Perch	PSD	89	34	18	87	17	3	82	37			
		PSD-P	11	25	3	12	3	2	24	36			
		Wr	114	106	102	91	112	106	110	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+
2012	83		222 (74)		288 (3)	320 (5)	326 (1)				
2011	268	147 (230)	221 (9)	254 (8)	295 (16)	302 (3)	315 (2)				
2010	74	145 (24)	235 (2)	265 (44)	286 (4)						
2009	33	150 (1)	215 (22)	240 (10)							

Species: Bluegill

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2012	14	107 (5)		181 (1)	197 (1)	203 (6)	233 (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	44	243 (27)	328 (6)	343 (1)	388 (4)	383 (1)		564 (1)			651 (4)
2017	34	254 (4)	255 (2)	373 (10)	397 (15)				669 (1)		645 (2)
2016	90	238 (1)	284 (56)	314 (32)	425 (1)						
2015	101	196 (48)	254 (53)								
2014	68	206 (37)	415 (1)	436 (8)	462 (19)	496 (1)	558 (2)				
2013	48		334 (7)	386 (41)							
2012	74	250 (8)	303 (63)		515 (2)	536 (1)					
2011	98	245 (73)	401 (6)	448 (8)	494 (11)						
2010	57	312 (12)	370 (37)	423 (7)		470 (1)					
2009	97	240 (45)	324 (49)		506 (1)		548 (2)				

Species: Yellow Perch

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2017	94	171 (53)	247 (28)	275 (1)	281 (12)						

Mean Length (expanded sample number) at capture by age

Year	N	1	2	3	4	5	6	7	8	9	10+
2015	33	166 (6)	240 (27)								
2014	121	173 (119)	251 (1)		318 (1)						
2013	30	165 (25)	233 (3)	256 (2)							
2012	390	155 (35)	231 (347)	263 (4)		325 (4)					
2011	1063	180 (938)	242 (125)								
2010	487	178 (355)	259 (16)	281 (112)	304 (6)						
2009	110	162 (8)	228 (98)	260 (4)							

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).

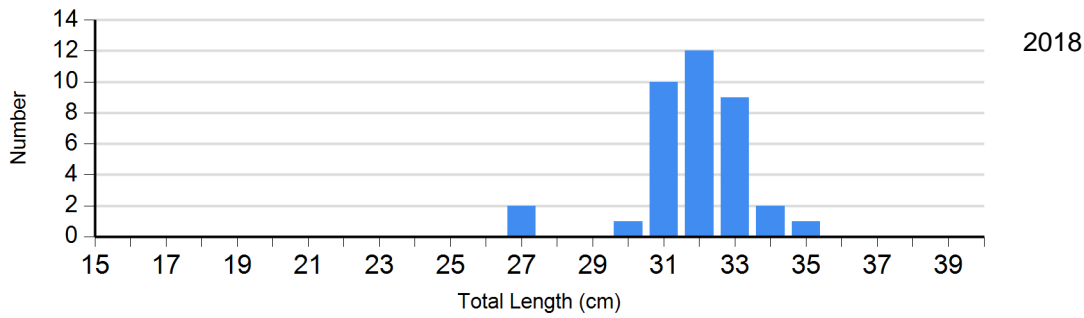
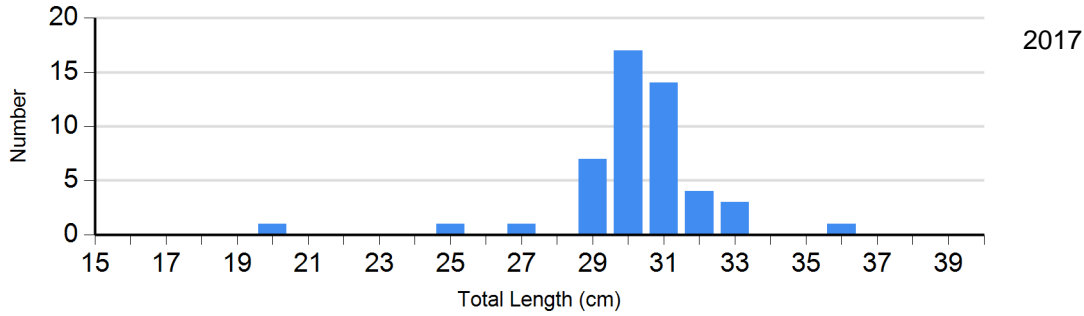
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Crappie Frame Net	2014	18	110 (2.1)	0		3	90 (3.2)	0	
	2015	0		15	109 (1.7)	1	93	1	89
	2016	0		5	119 (11.2)	29	105 (1.1)	2	87 (4.3)
	2017	8	121 (4.5)	1	108	5	96 (3.5)	0	
	2018	0		18	105 (1.5)	14	97 (1.1)	9	94 (2.5)
Bluegill Frame Net	2014	81	125 (1.1)	3	124 (5.0)	2		0	
	2015	0		16	115 (2.2)	1	171	0	
	2016	1	117	0		37	115 (1.6)	0	
	2017	1	133	3	117 (3.7)	1	234	0	
	2018	0		14	116 (3.0)	10	104 (3.1)	3	106 (4.7)
Common Carp Gill Net	2014	7	58	0		0		0	
Walleye Gill Net	2014	4	83 (2.1)	27	84 (1.1)	4	95 (3.2)	0	
	2015	29	86 (0.8)	0		0		0	
	2016	88	86 (0.6)	1	85	0		0	
	2017	16	80 (0.8)	14	80 (1.2)	0		3	82 (6.6)
	2018	19	84 (1.4)	3	71 (0.4)	2	79 (2.9)	3	86 (3.4)
White Bass Gill Net	2018	0		3	93 (1.3)	94	87 (0.4)	1	
White Bass Gill Net	2014	0		0		3	89 (0.4)	1	95
	2015	3	98 (1.9)	0		0		0	
	2016	0		3	98 (1.7)	0		1	97
	2017	9	98 (3.2)	34	94 (1.0)	23	91 (1.0)	0	
Yellow Perch Gill Net	2014	117	106 (1.0)	2	104 (3.5)	1	102	1	90

Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Yellow Perch Gill Net	2015	6	104 (1.1)	19	111 (2.0)	8	113 (3.0)	0	
	2016	49	111 (1.2)	1	101	28	106 (1.2)	0	
	2017	53	108 (1.0)	17	107 (2.6)	20	100 (2.7)	4	95 (2.7)
	2018	24	107 (2.1)	32	109 (1.2)	50	108 (1.0)	6	95 (3.1)

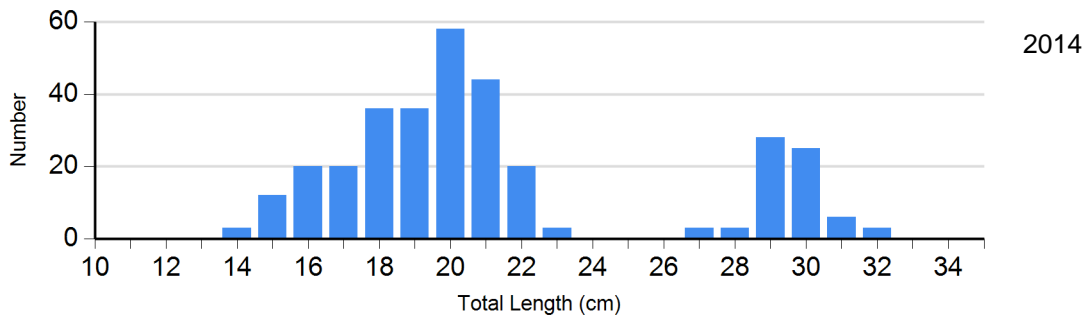
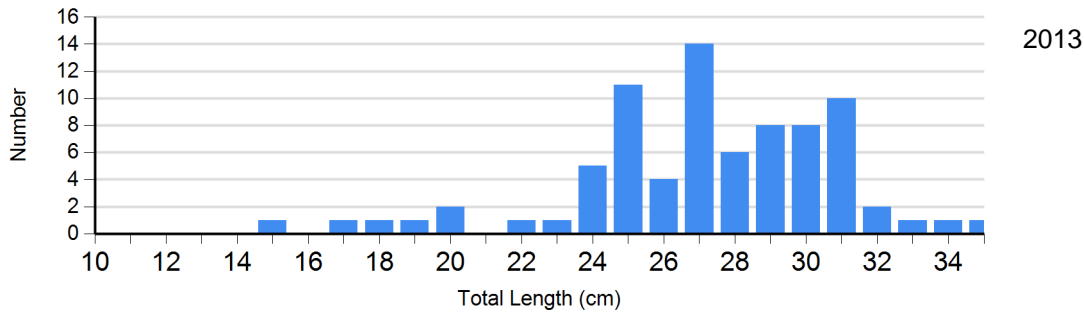
Length Frequency Distribution

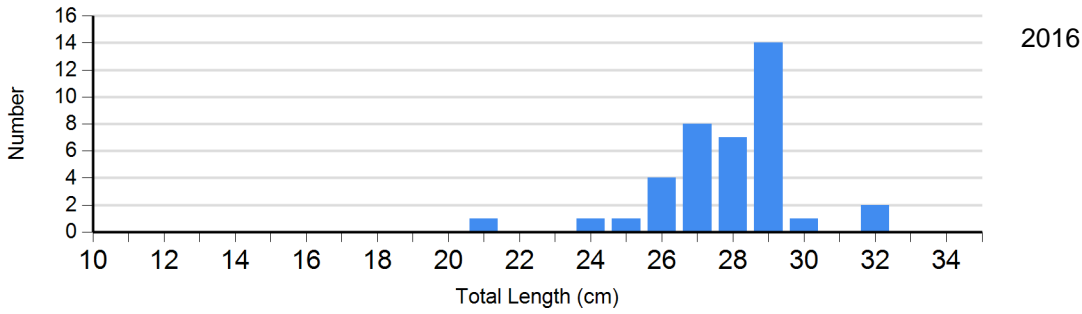
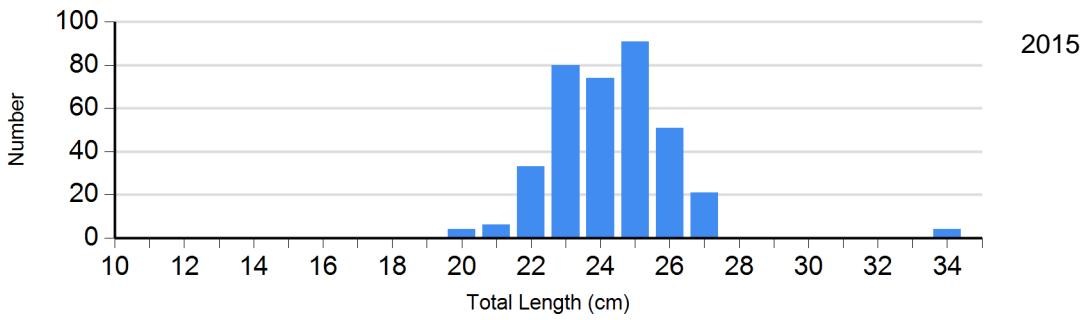
Length frequency histogram of species sampled by year.

Species: Black Bullhead
Gear: AFS std gill net

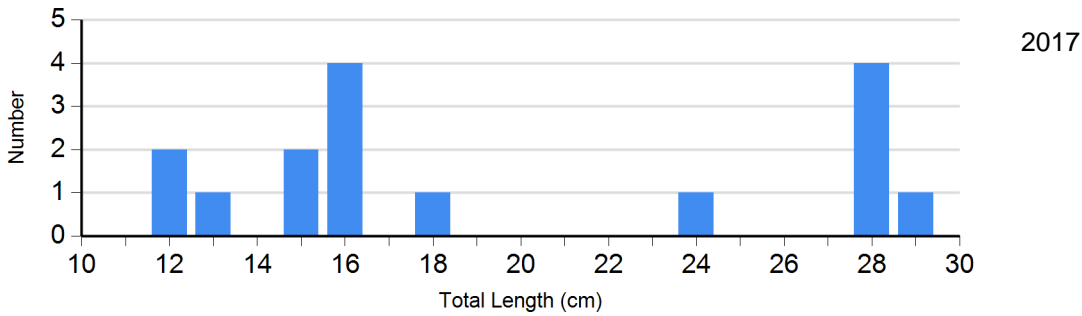


Species: Black Bullhead
Gear: std exp gill net

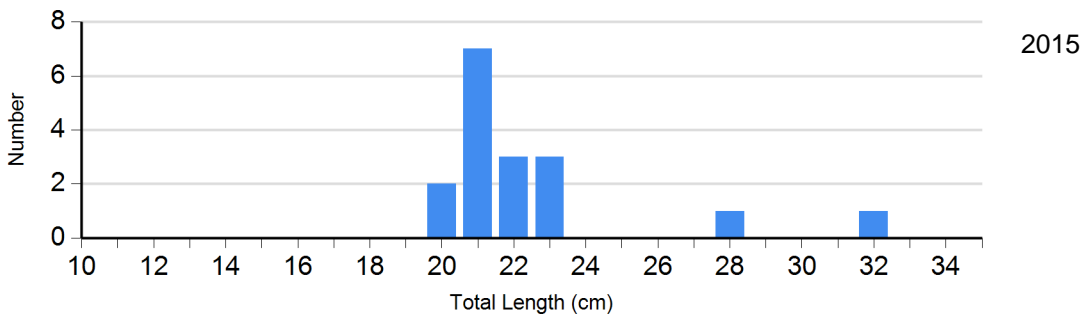
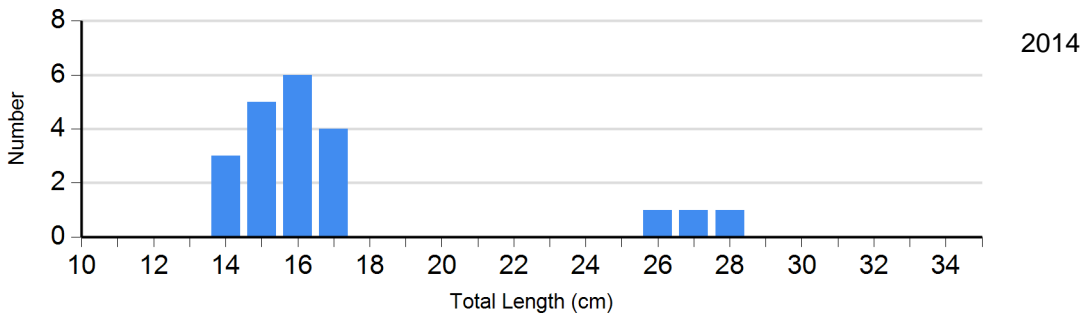


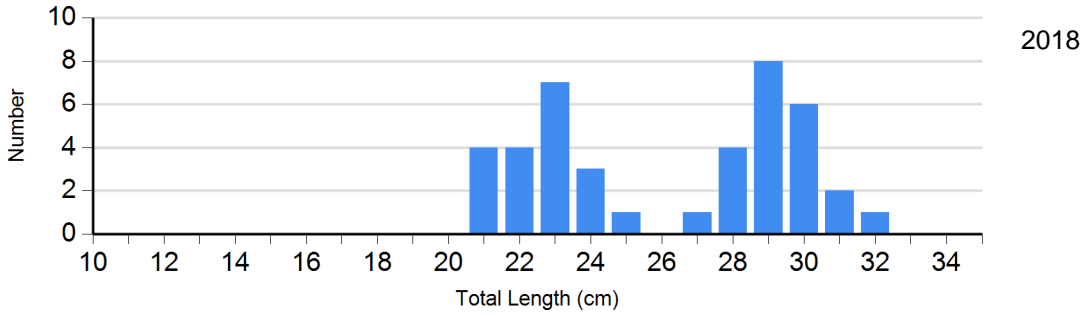
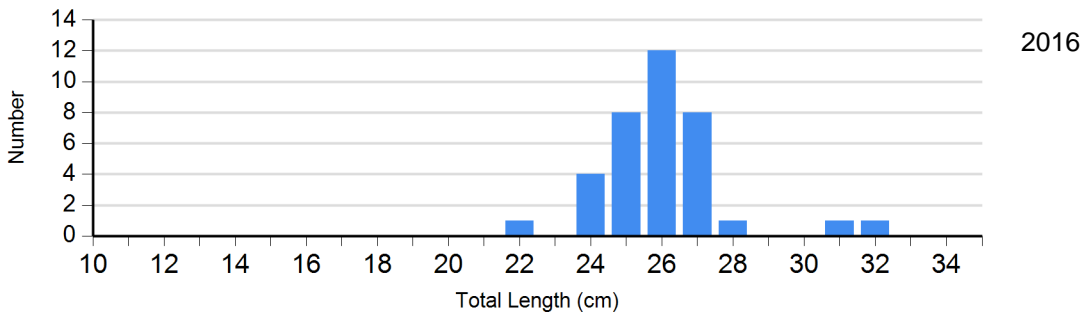


Species: Black Crappie
Gear: AFS std frame net

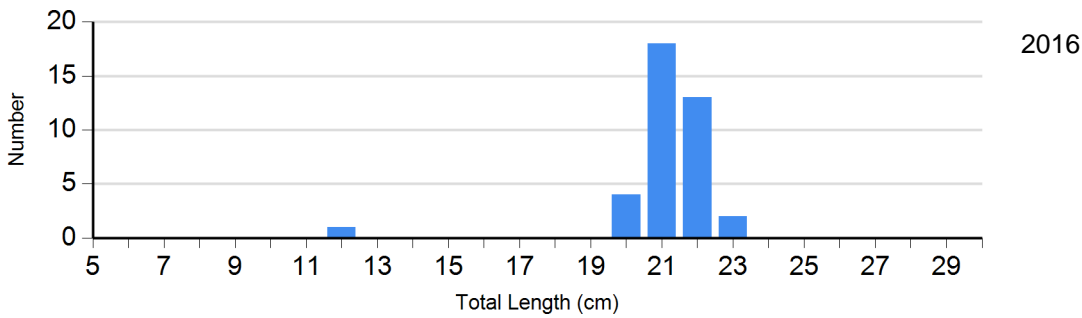
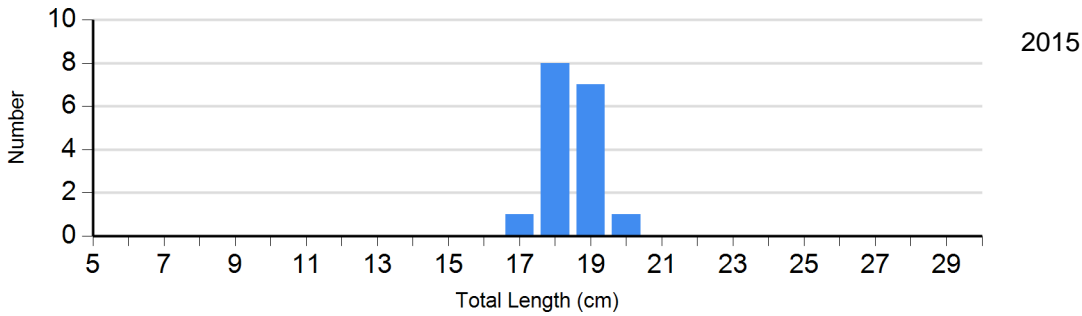
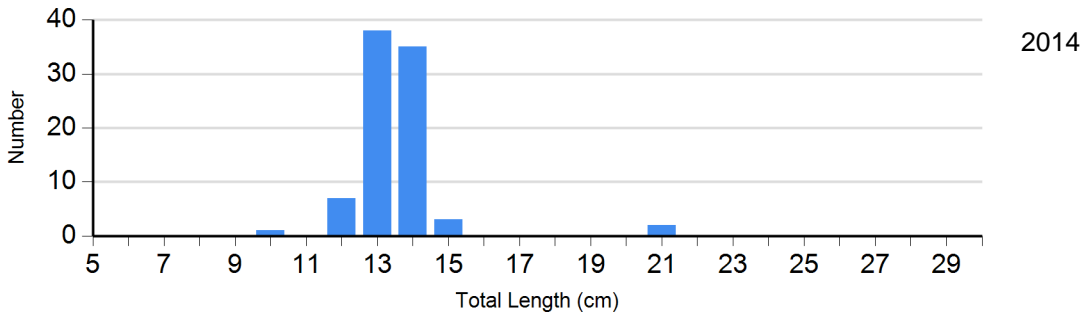


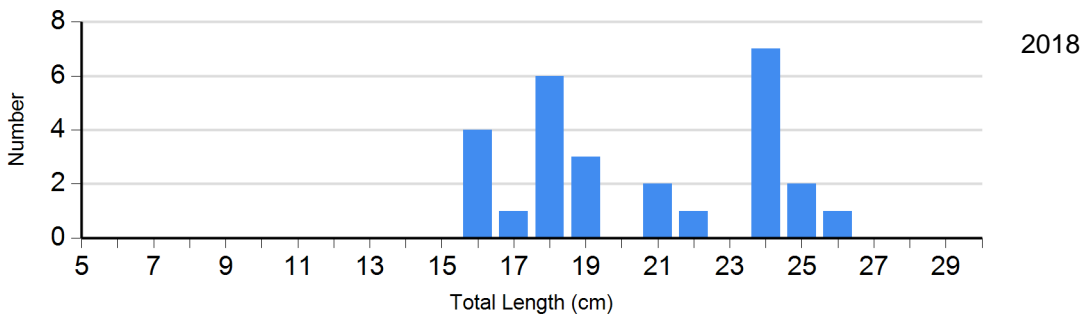
Species: Black Crappie
Gear: frame net (std 3/4 in)



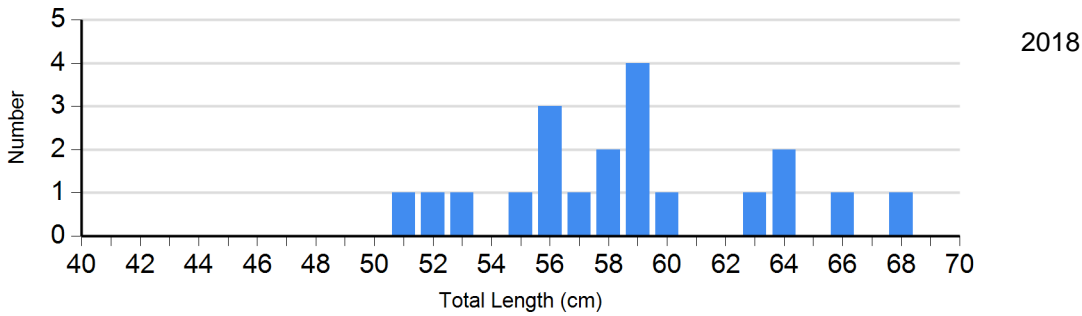
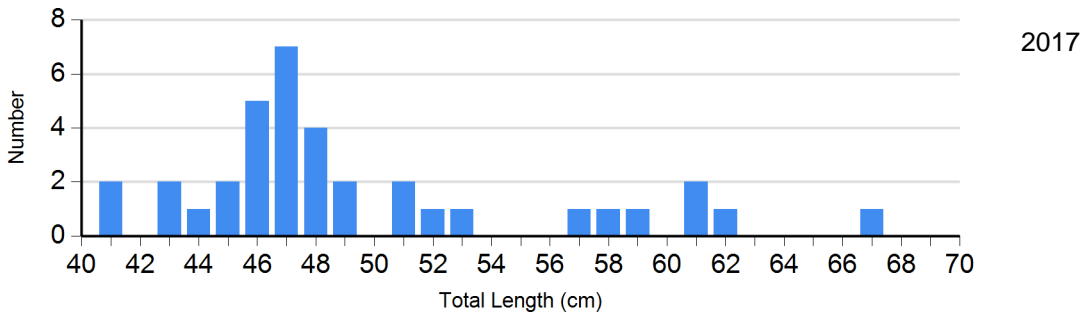


Species: Bluegill
 Gear: frame net (std 3/4 in)

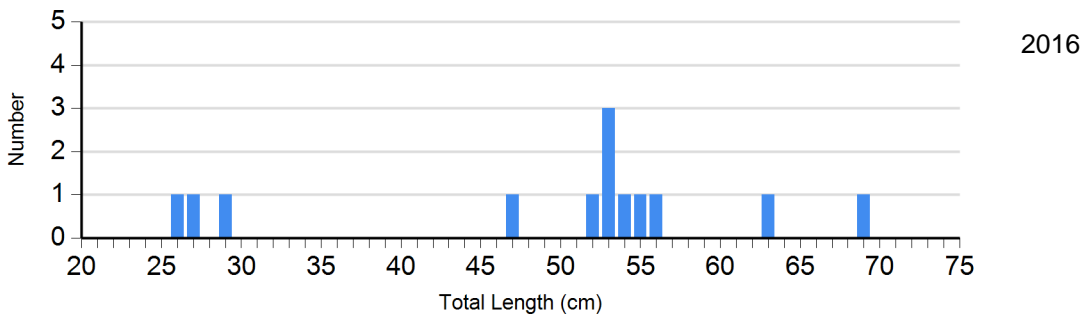
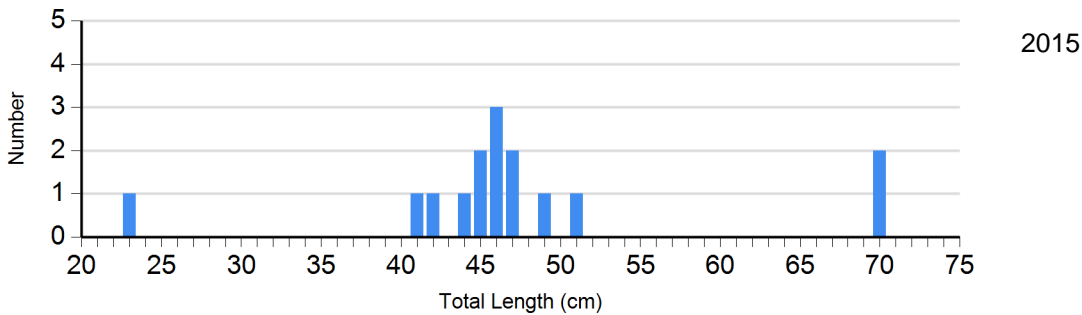




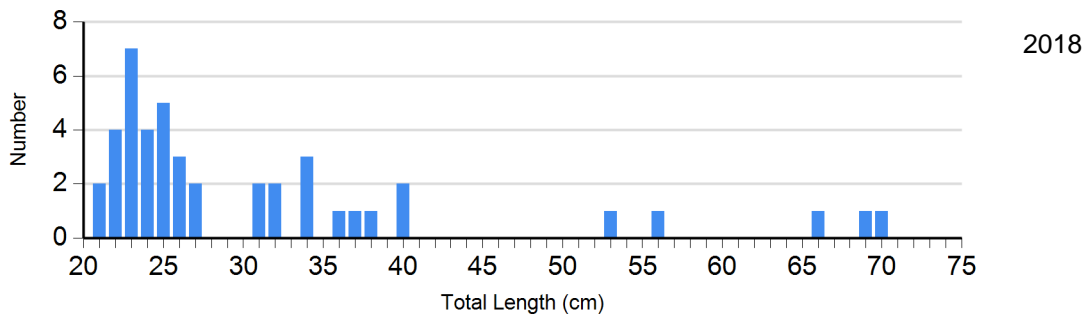
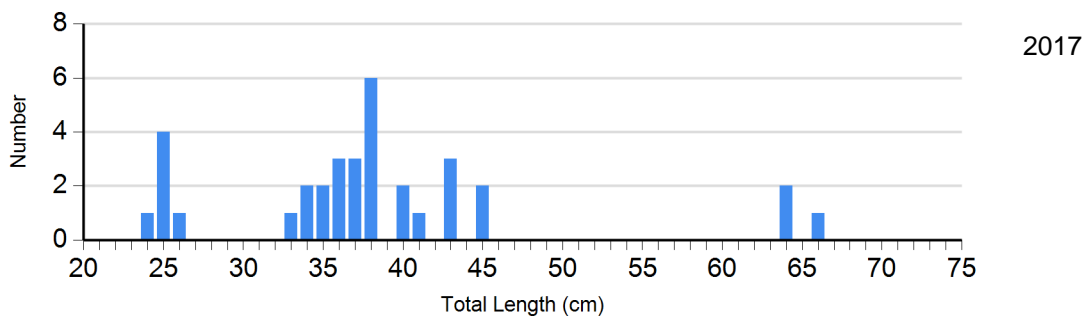
Species: Common Carp
Gear: AFS std gill net



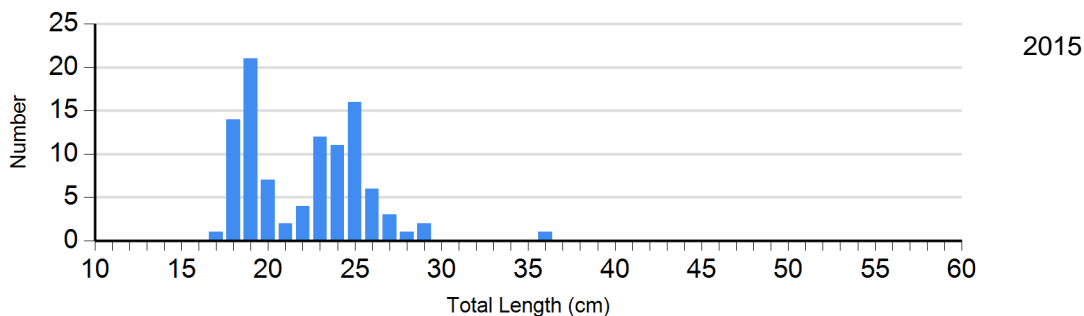
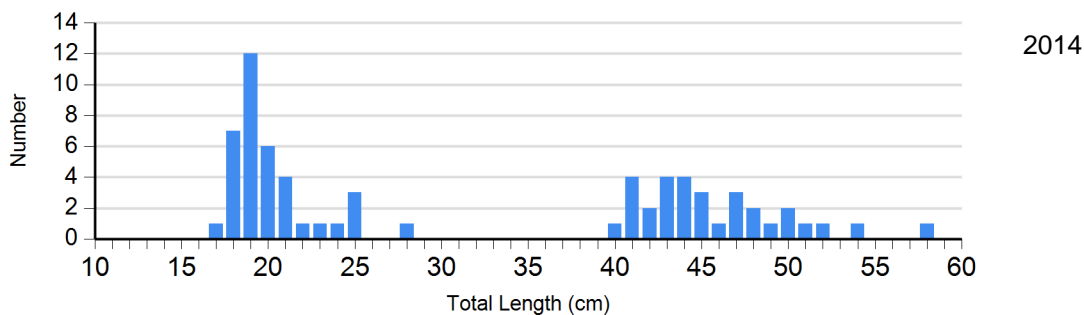
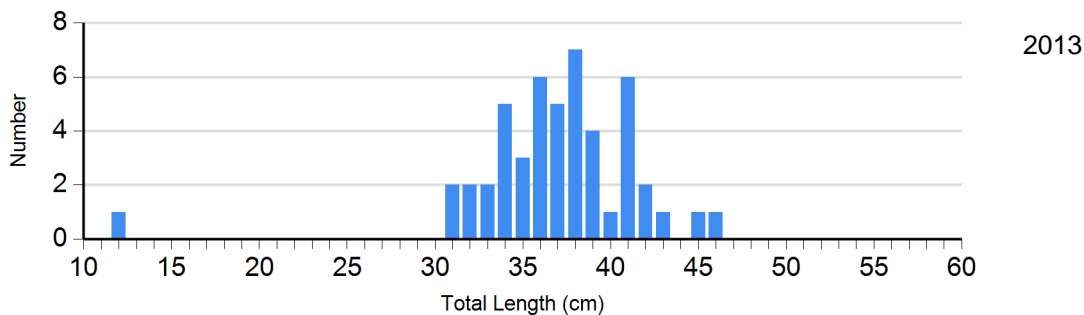
Species: Common Carp
Gear: std exp gill net

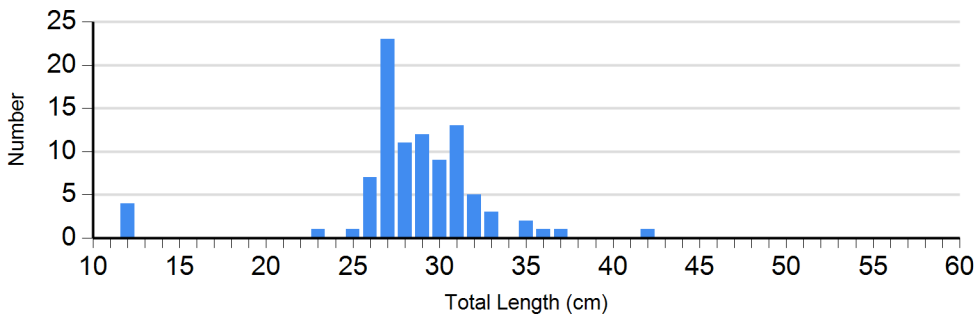


Species: Walleye
 Gear: AFS std gill net

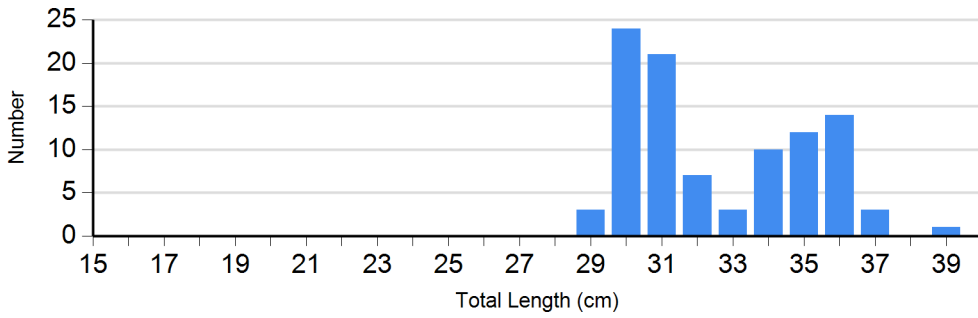


Species: Walleye
 Gear: std exp gill net

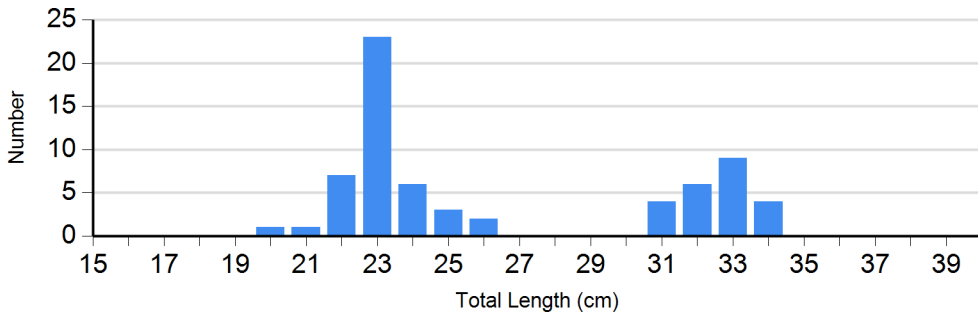




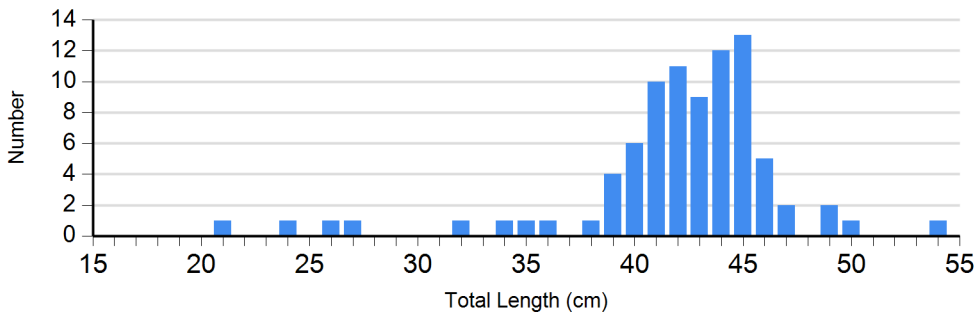
Species: White Bass
Gear: AFS std gill net

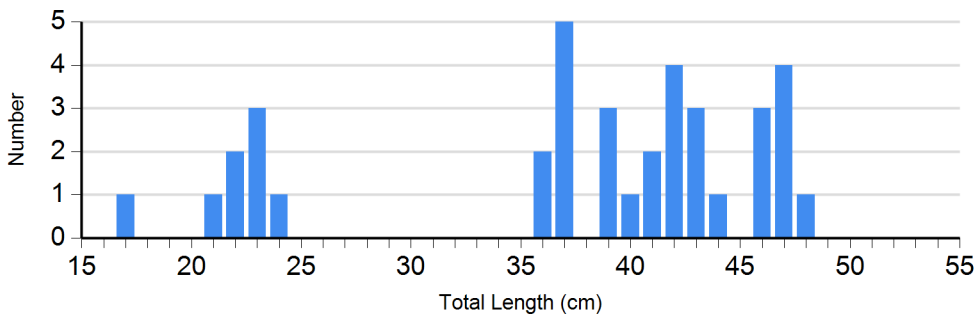


Species: White Bass
Gear: AFS std gill net



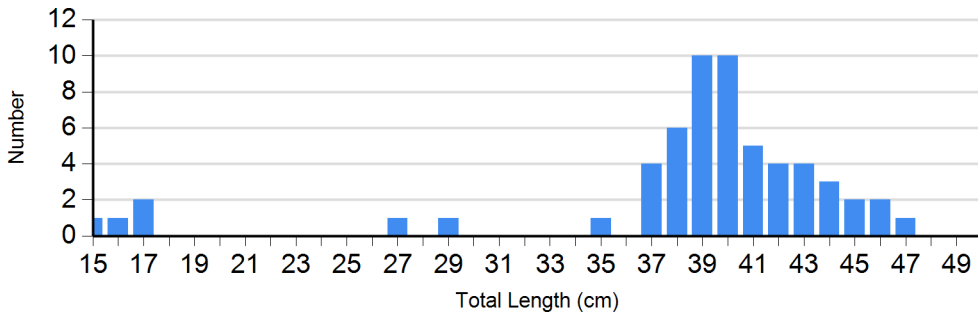
Species: White Sucker
Gear: AFS std gill net



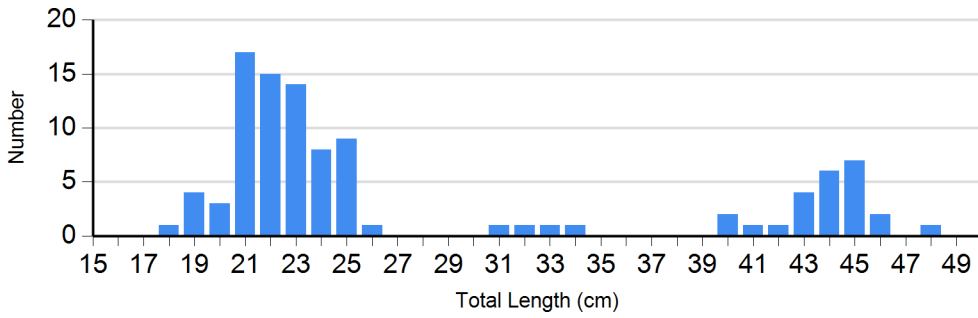


2018

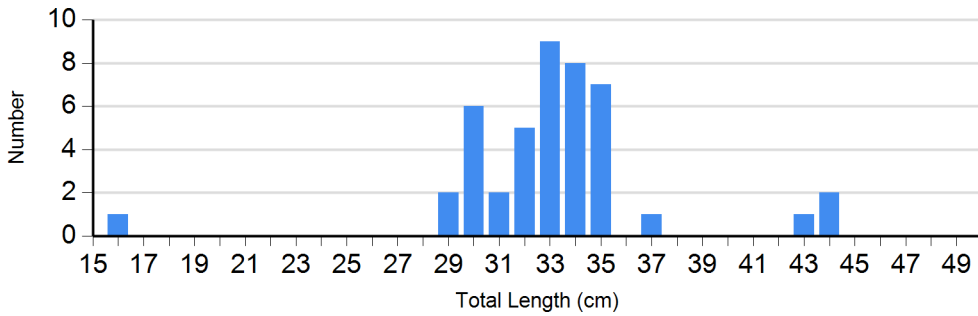
Species: White Sucker
Gear: std exp gill net



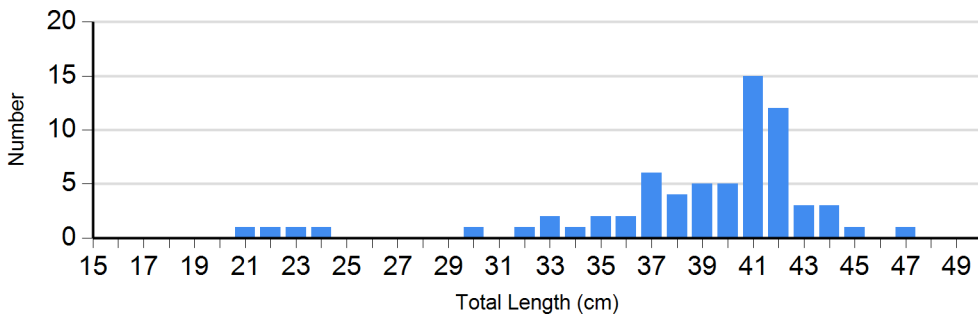
2013



2014

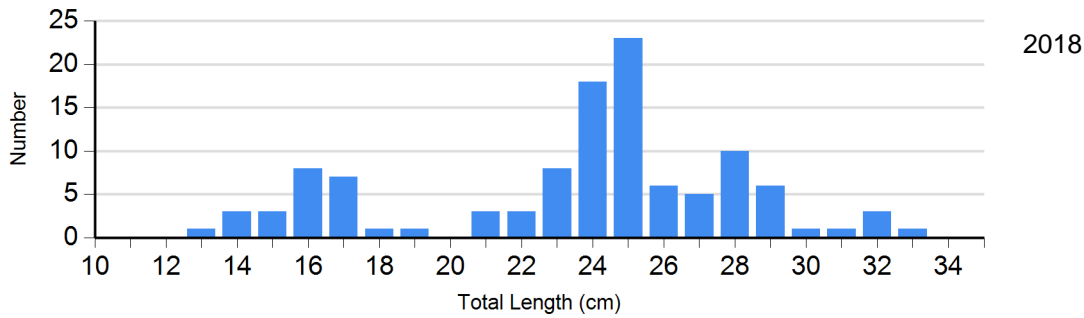
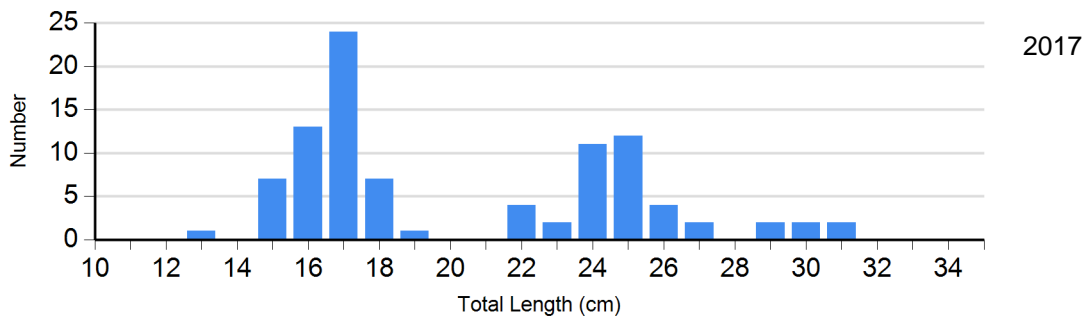


2015

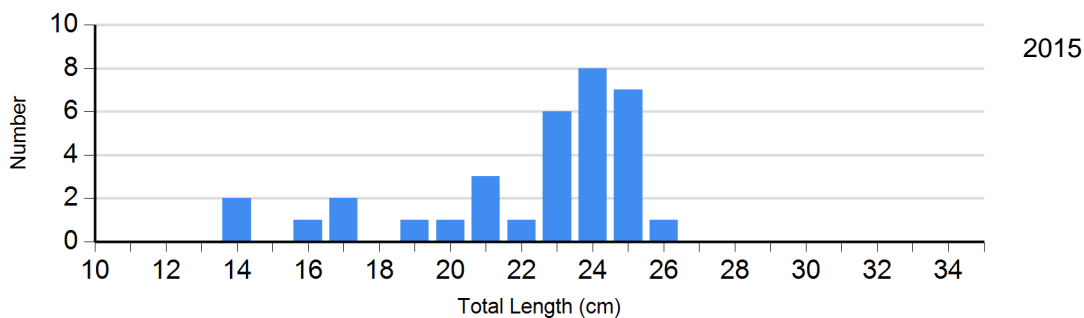
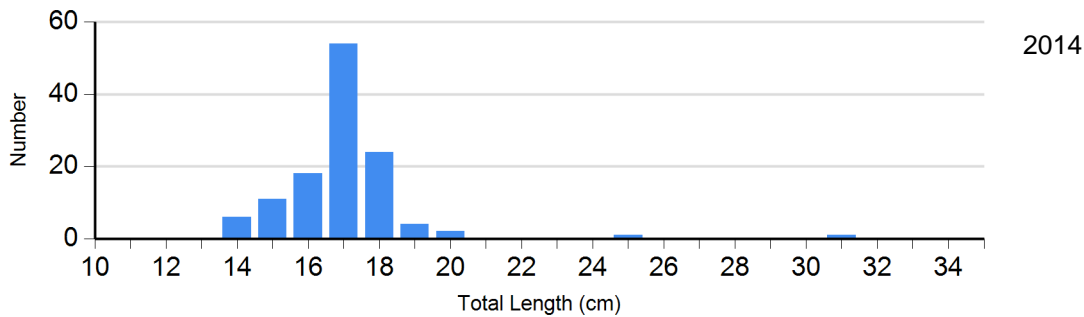
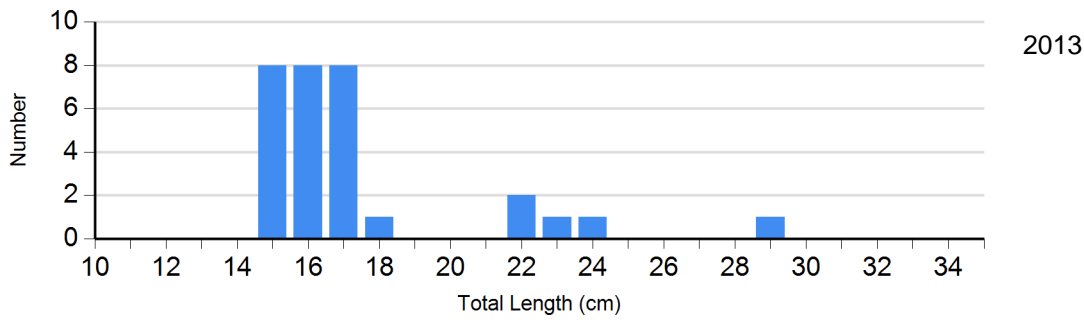


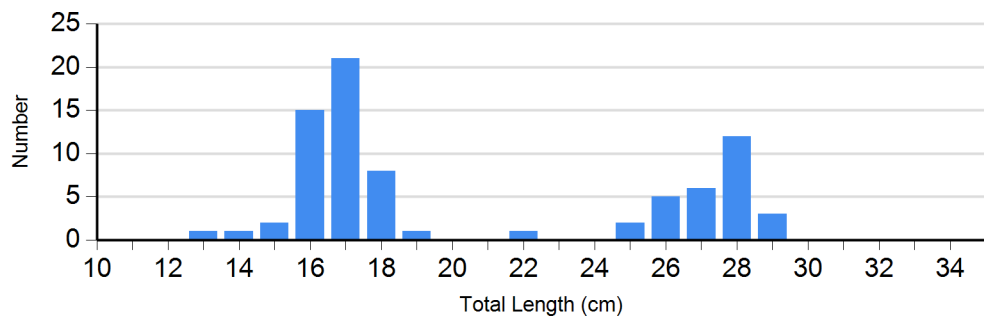
2016

Species: Yellow Perch
Gear: AFS std gill net



Species: Yellow Perch
Gear: std exp gill net



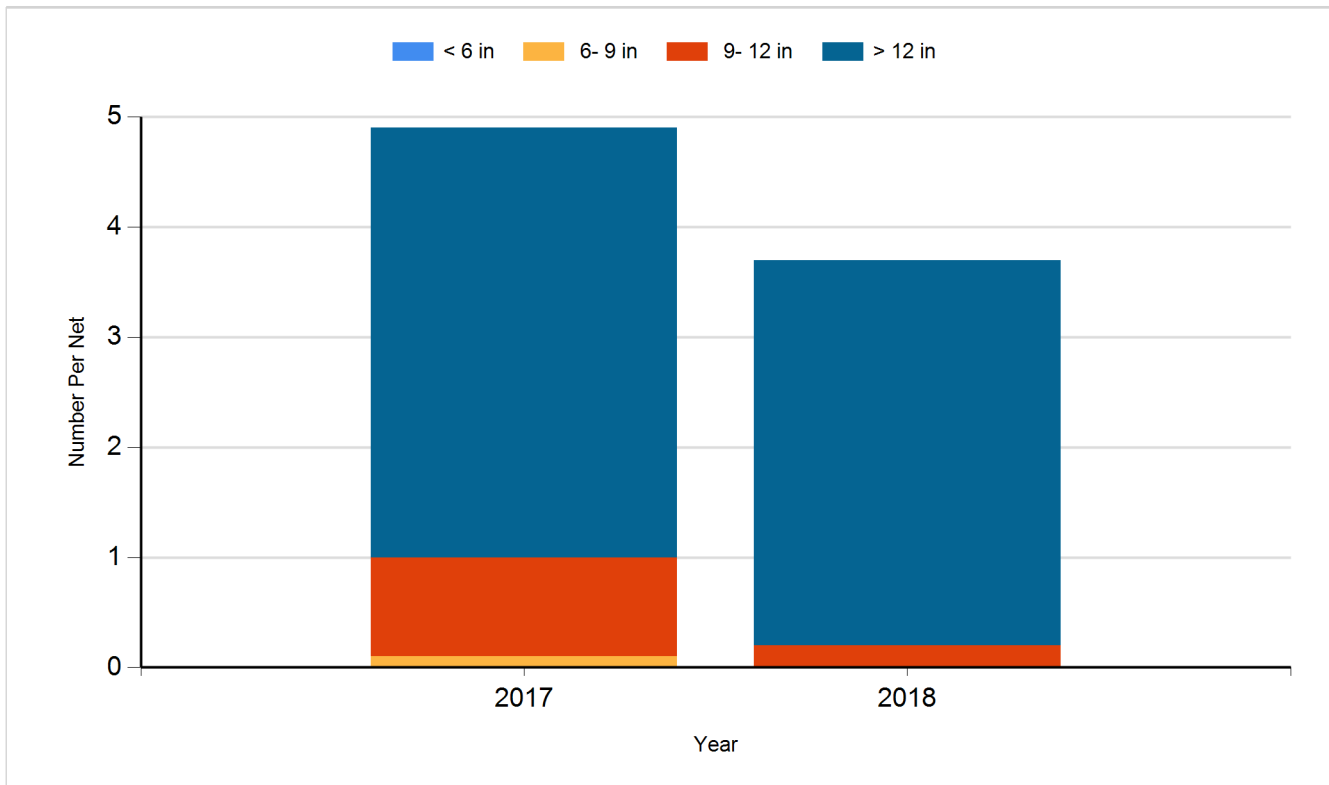


2016

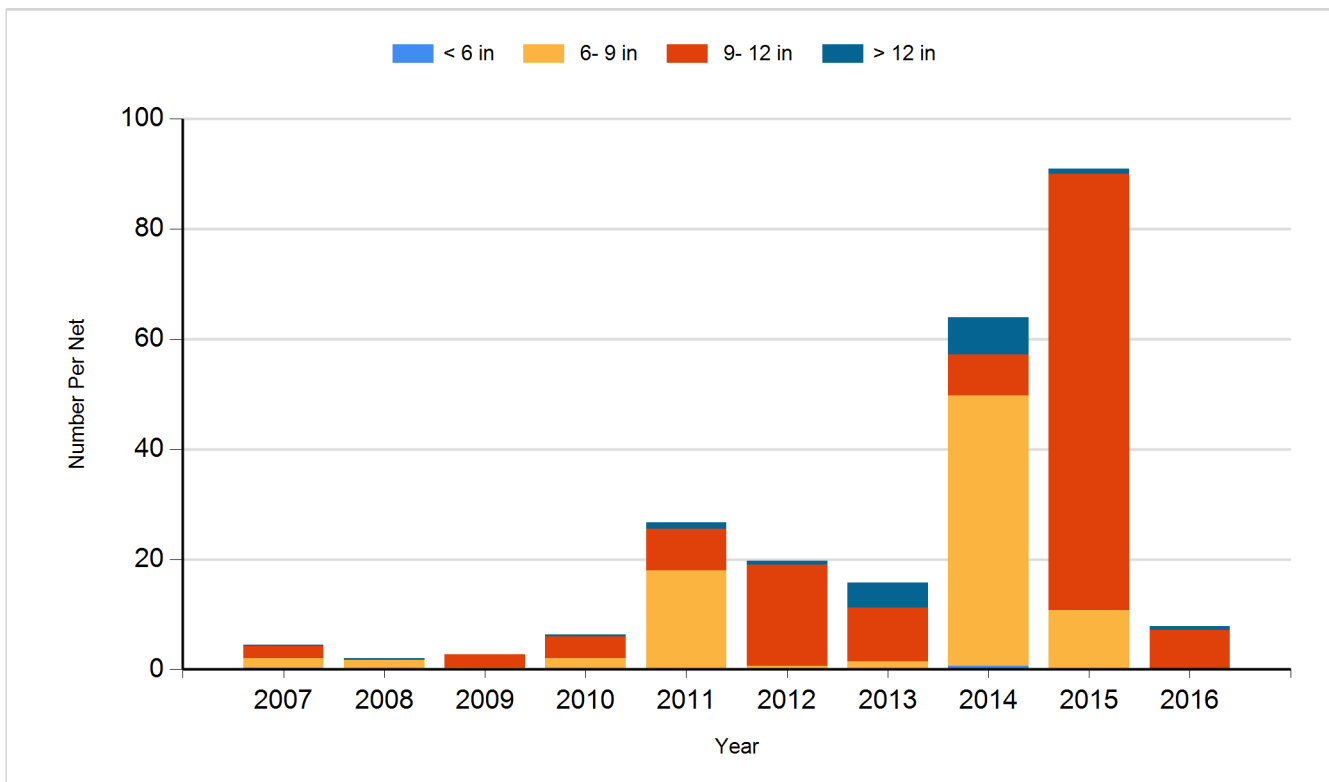
Historic Fish Sizes and Relative Abundance

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

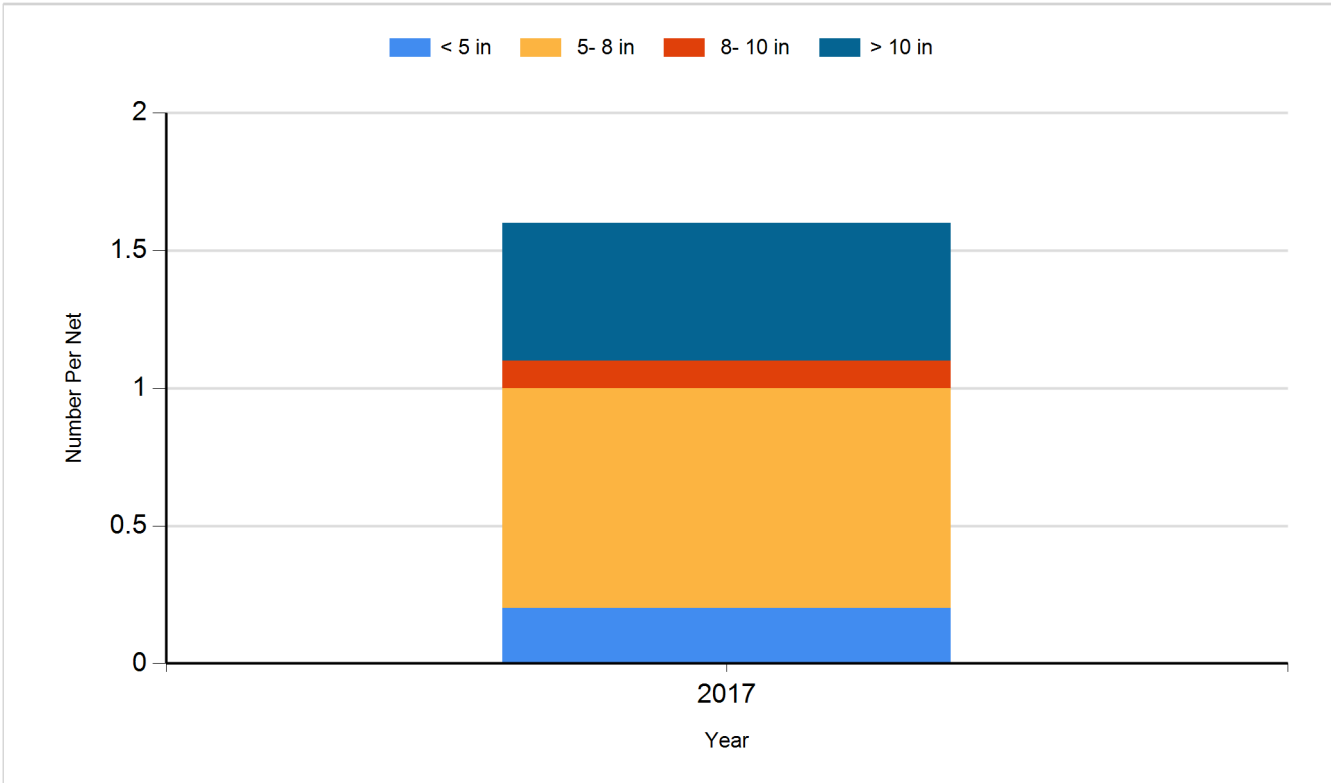
Species: Black Bullhead
Gear: AFS std gill net



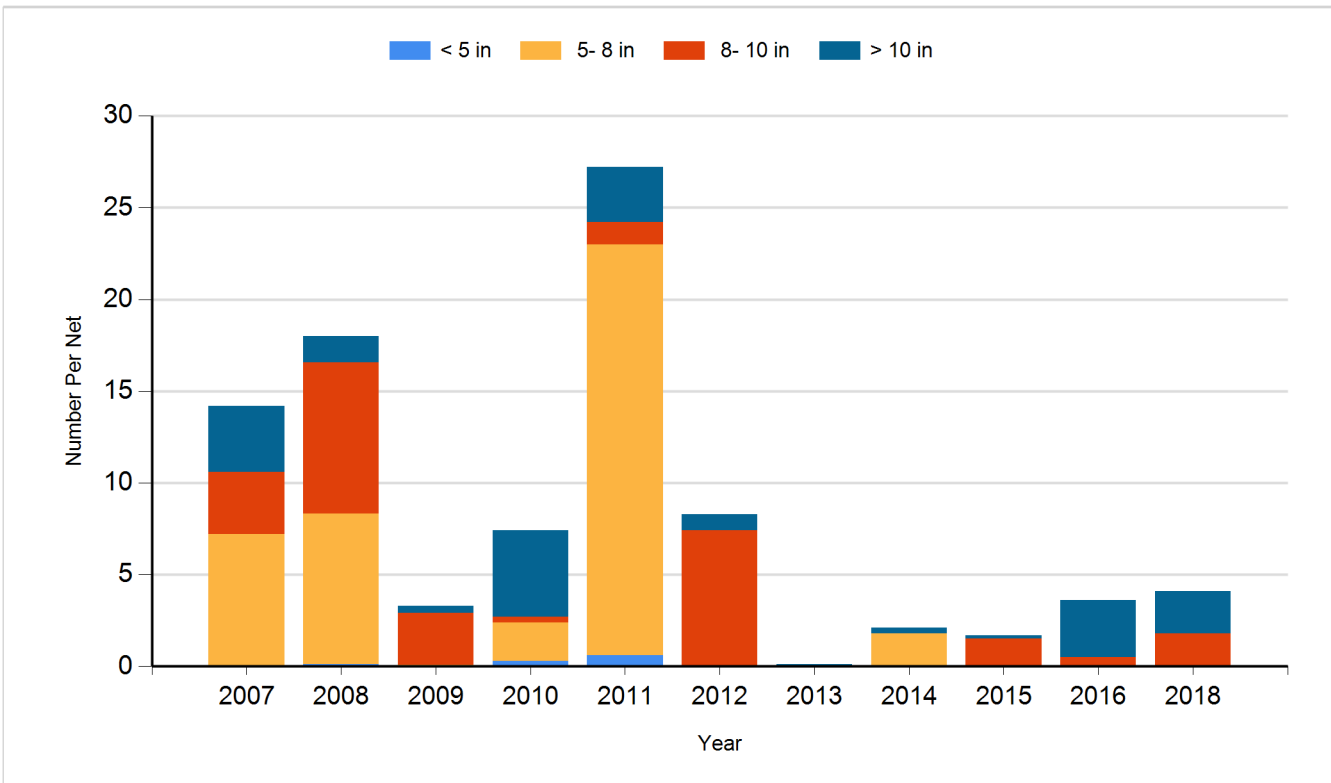
Species: Black Bullhead
Gear: std exp gill net



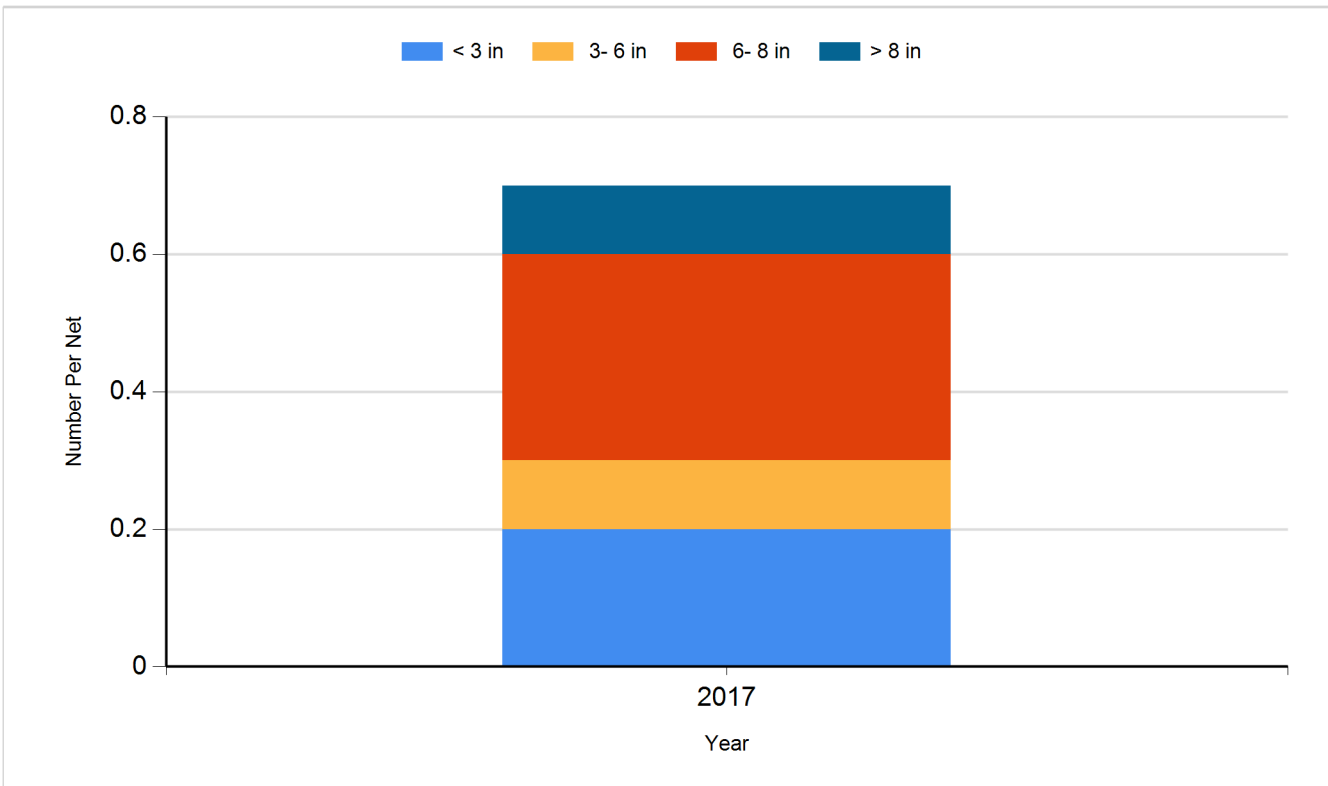
Species: Black Crappie
Gear: AFS std frame net



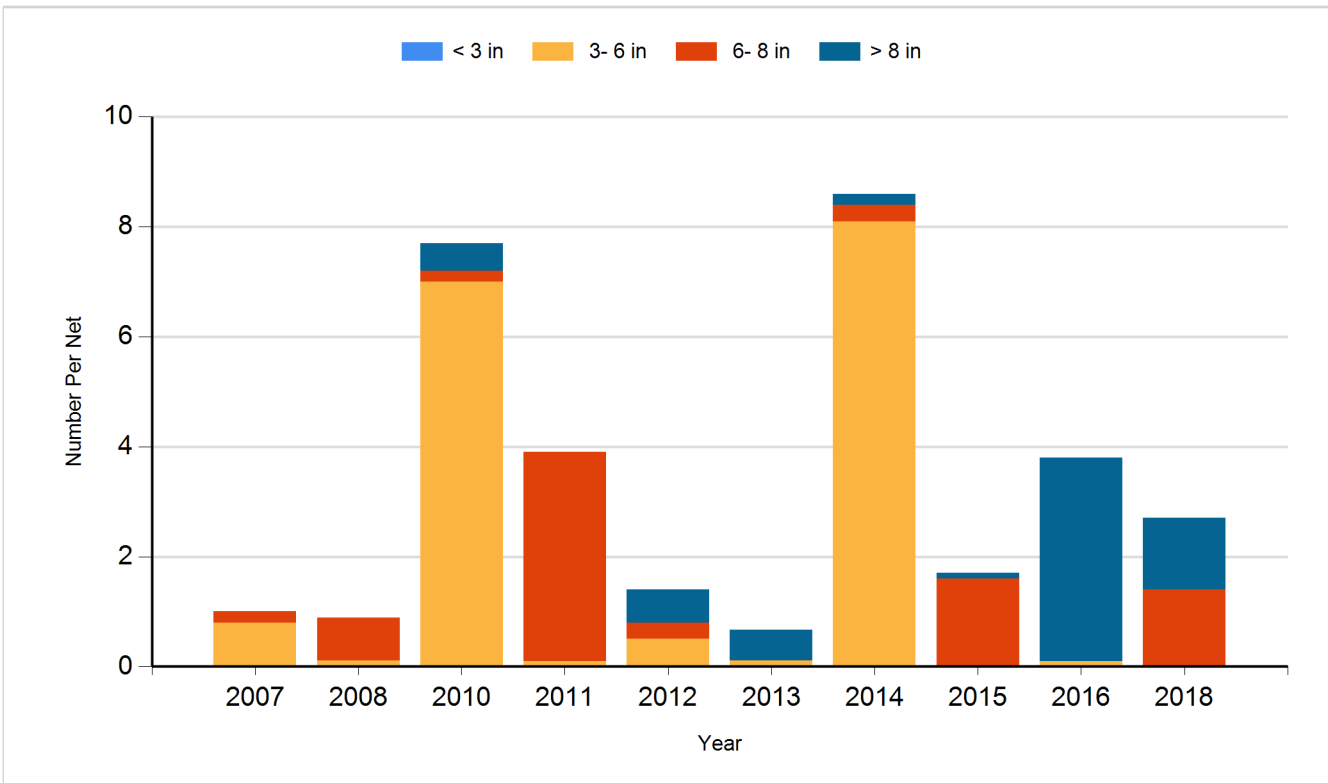
Species: Black Crappie
Gear: frame net (std 3/4 in)



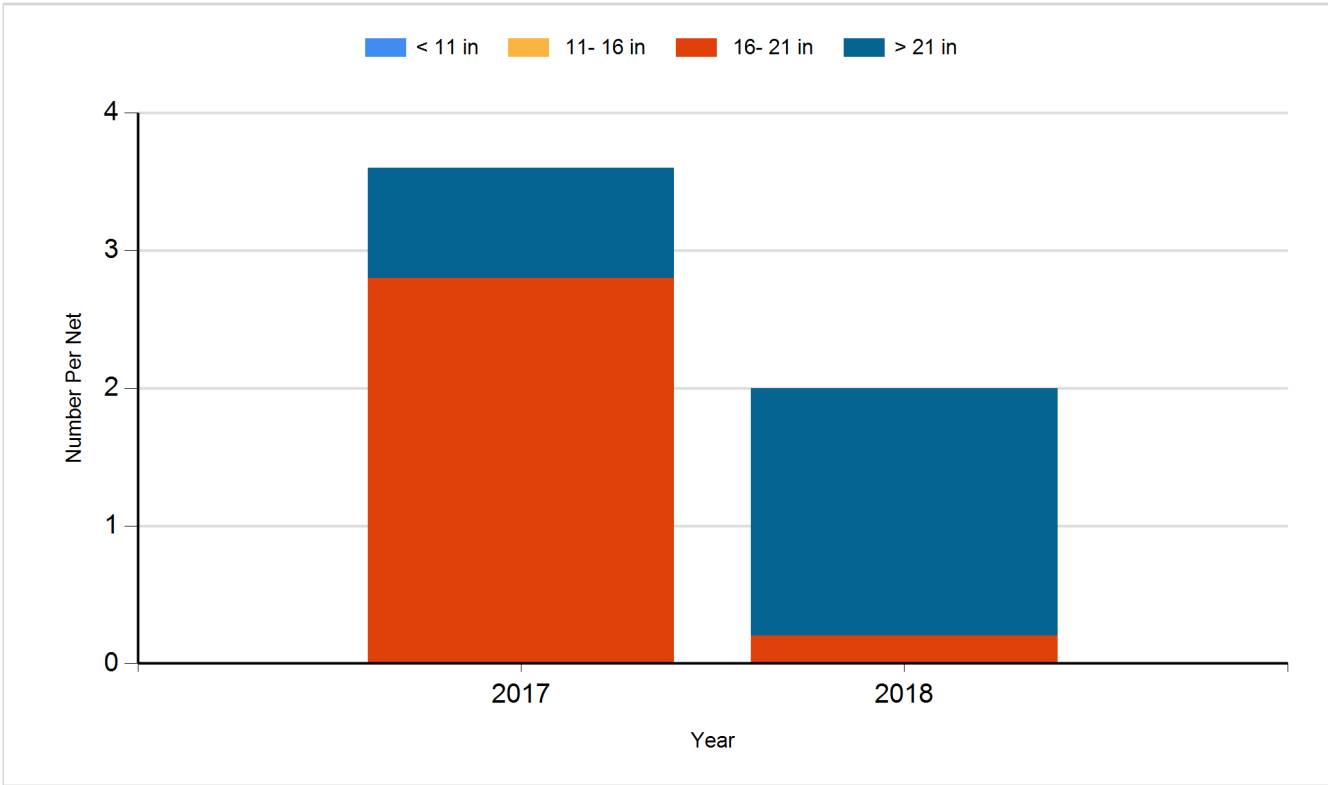
Species: Bluegill
Gear: AFS std frame net



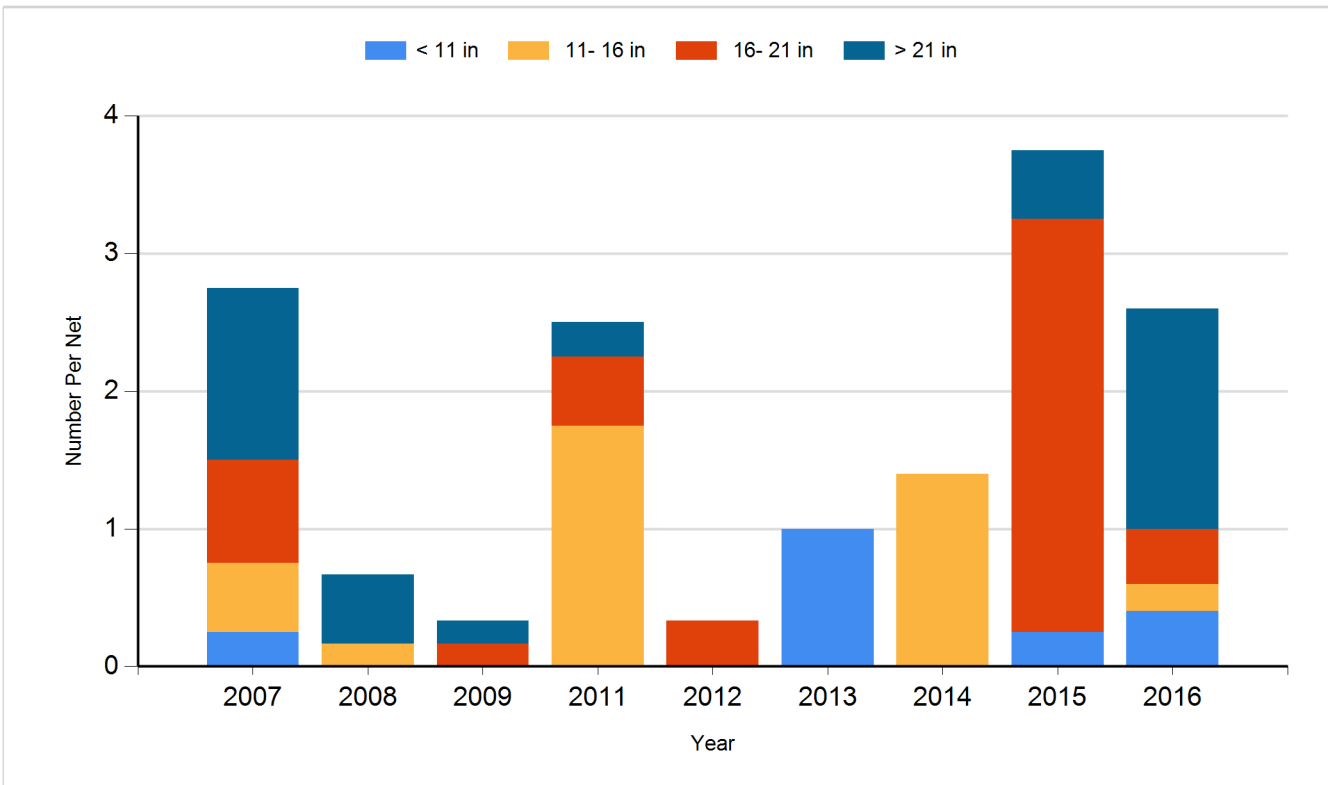
Species: Bluegill
Gear: frame net (std 3/4 in)



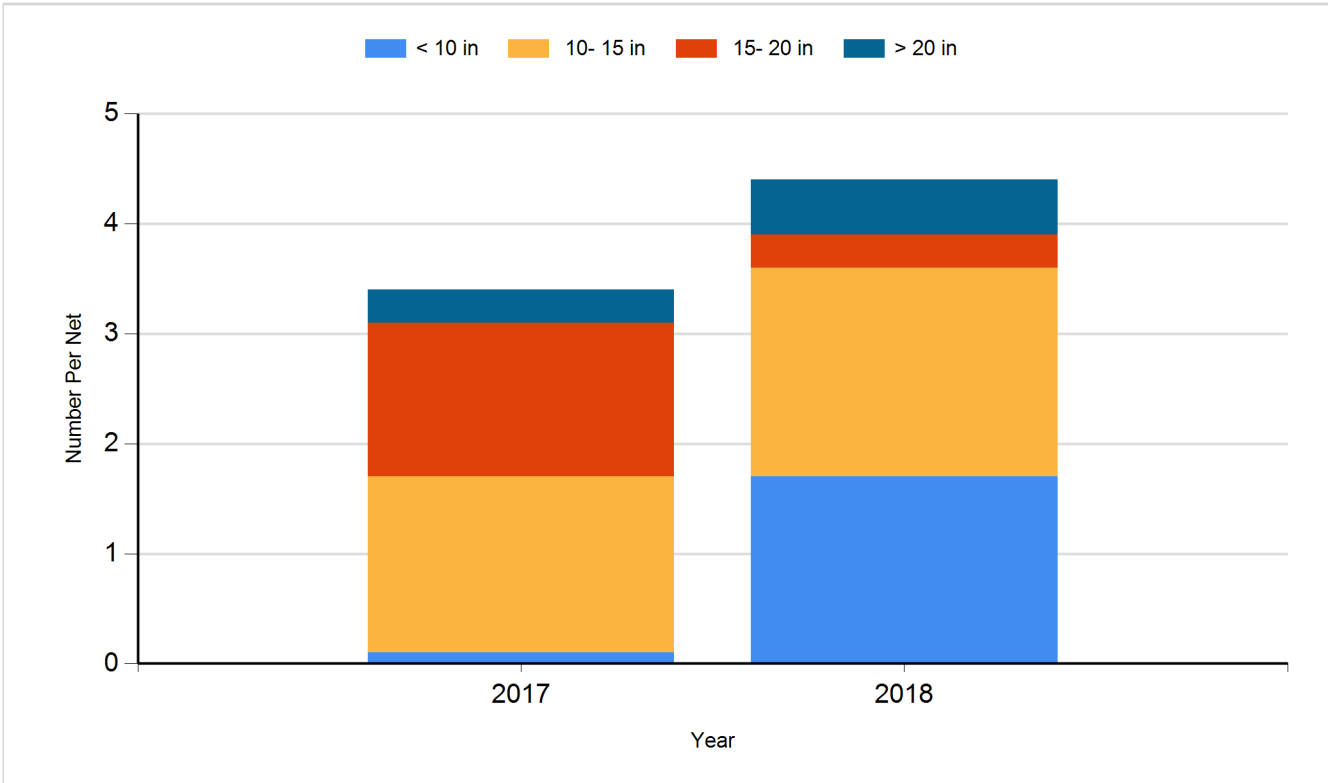
Species: Common Carp
Gear: AFS std gill net



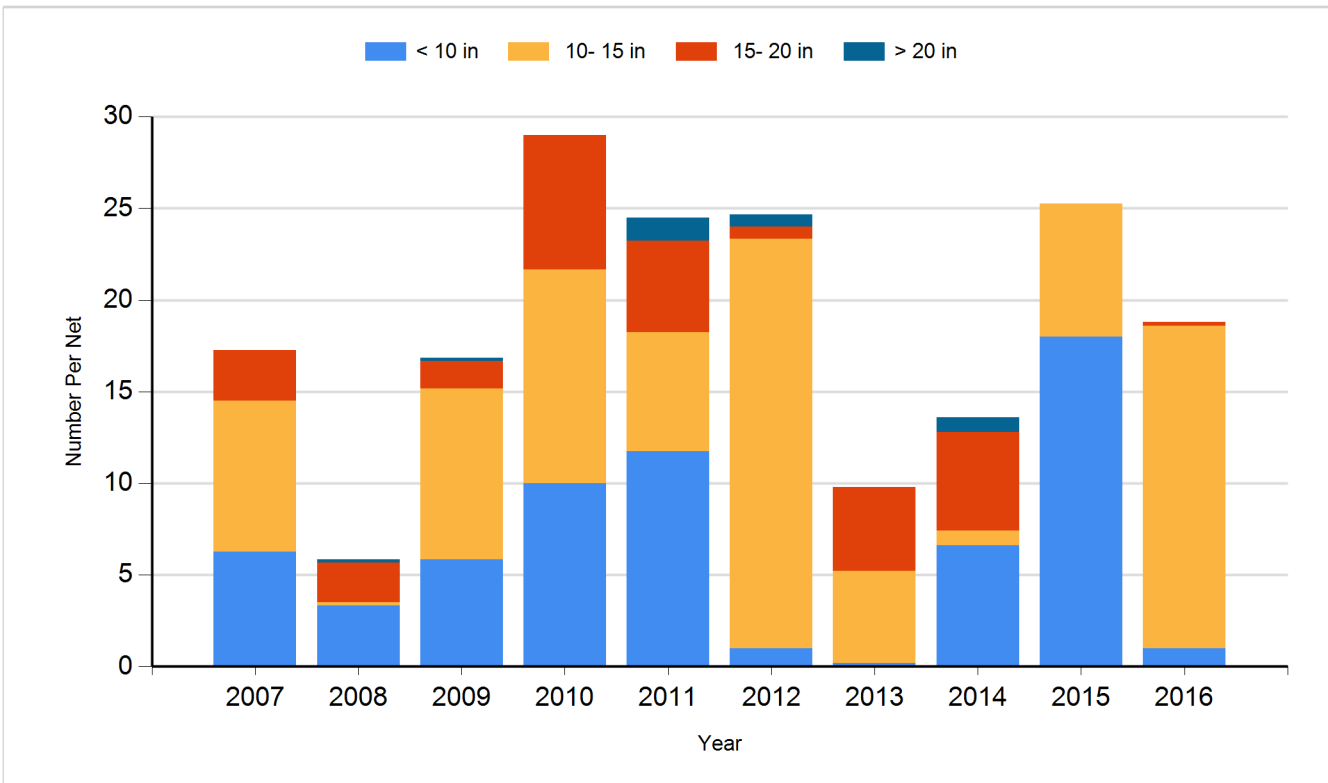
Species: Common Carp
Gear: std exp gill net



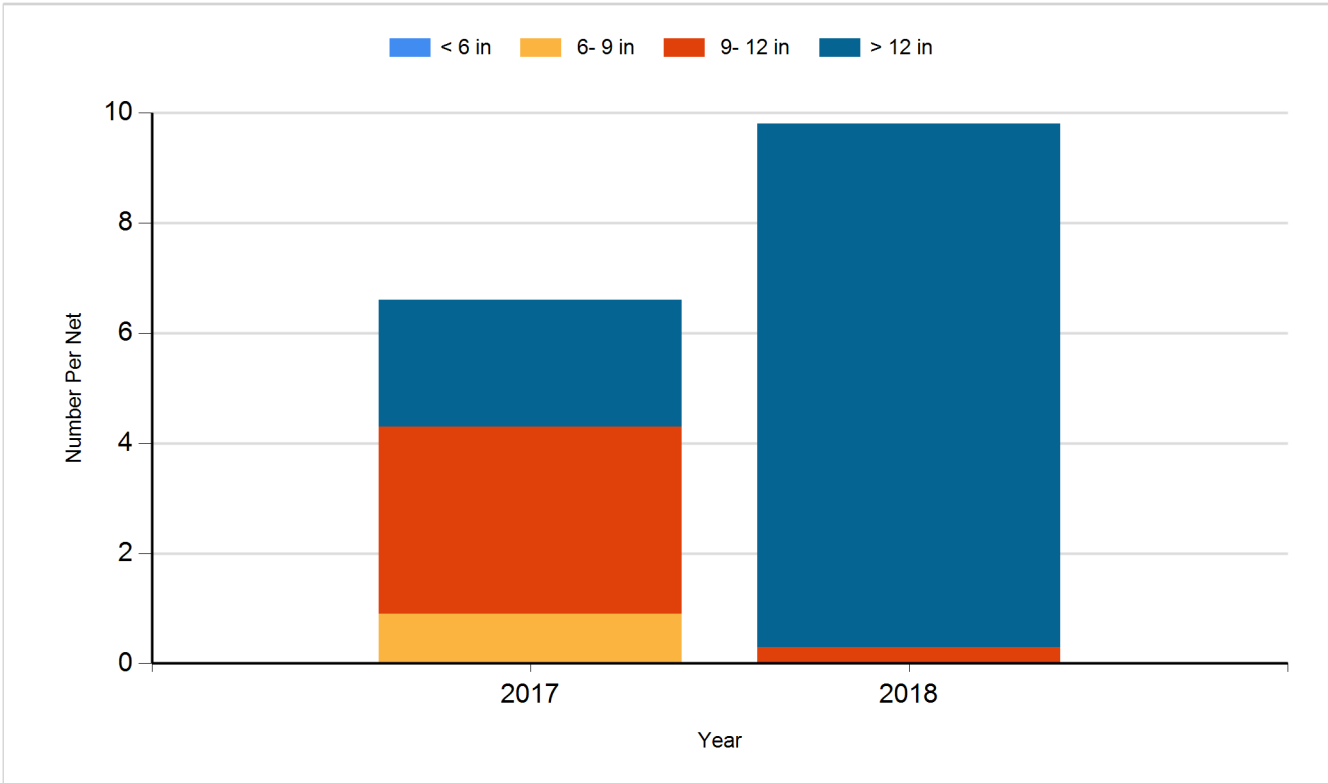
Species: Walleye
Gear: AFS std gill net



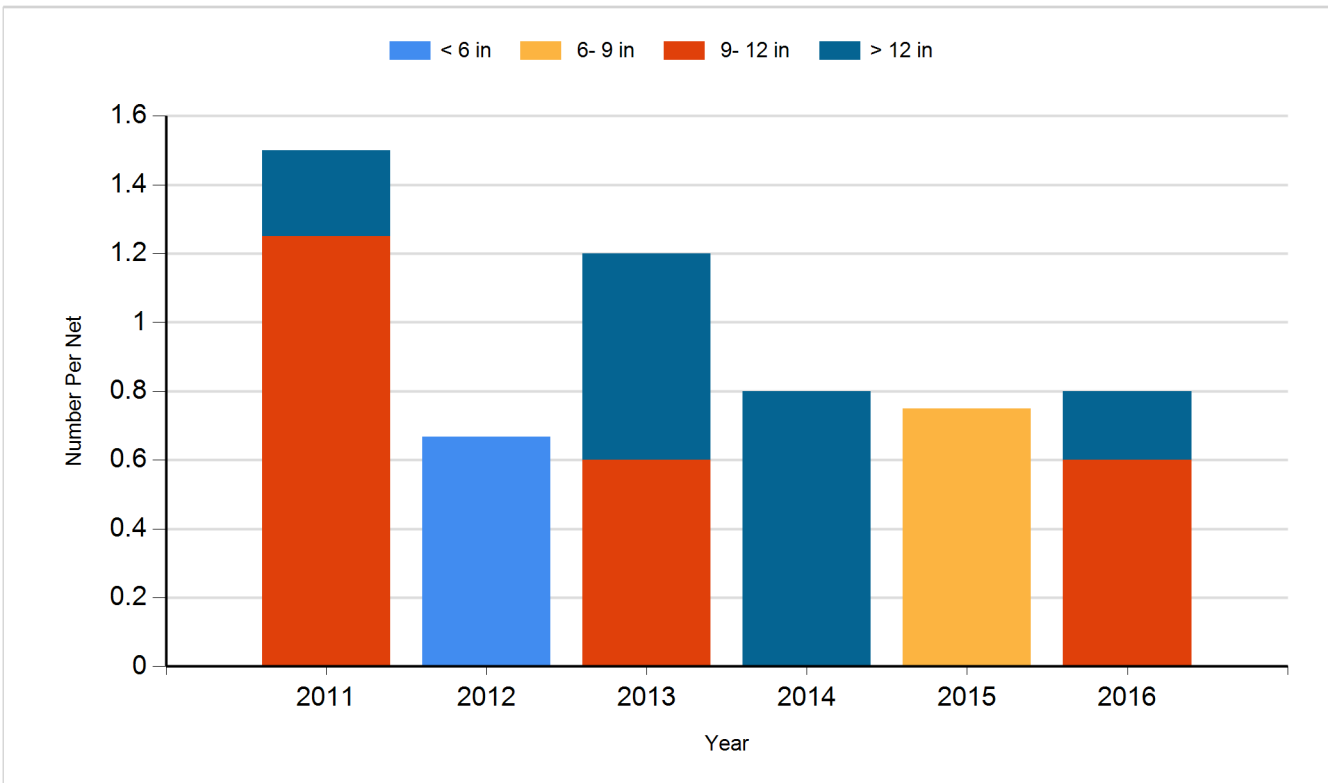
Species: Walleye
Gear: std exp gill net



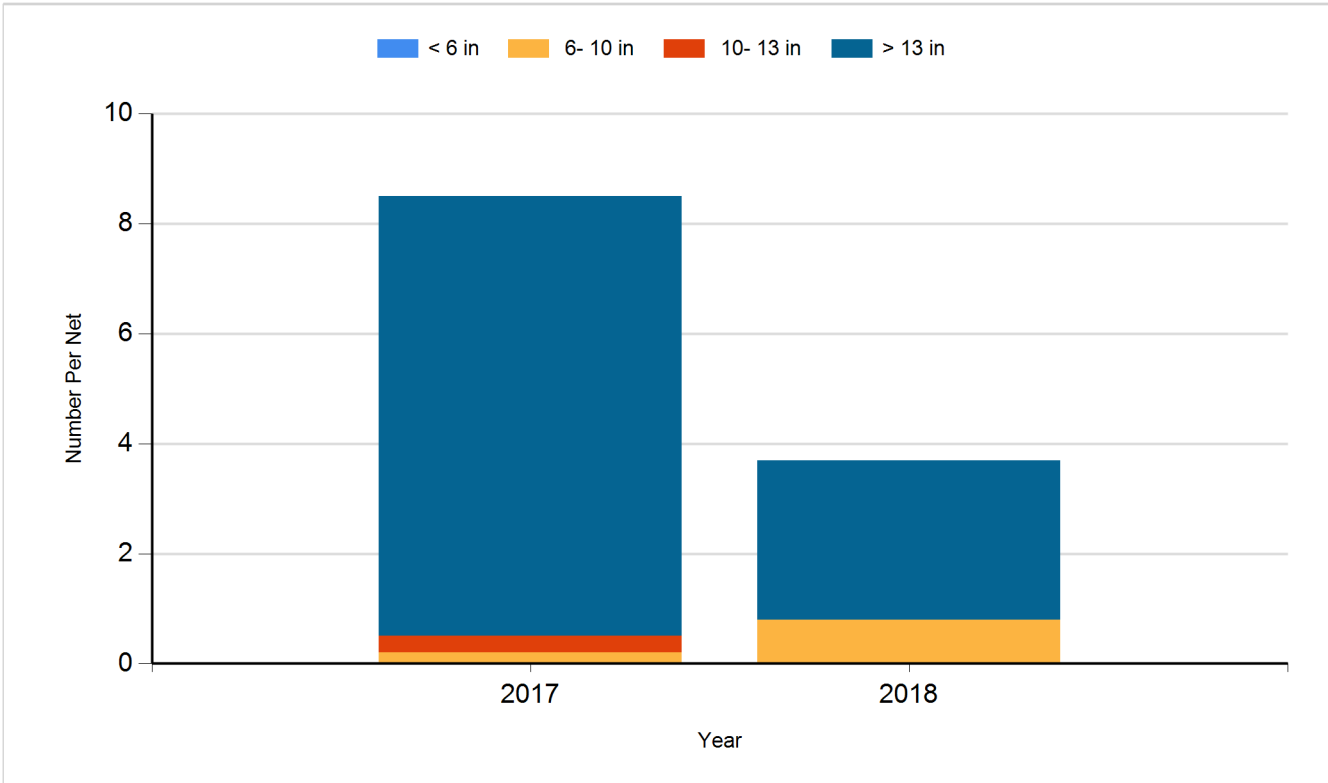
Species: White Bass
Gear: AFS std gill net



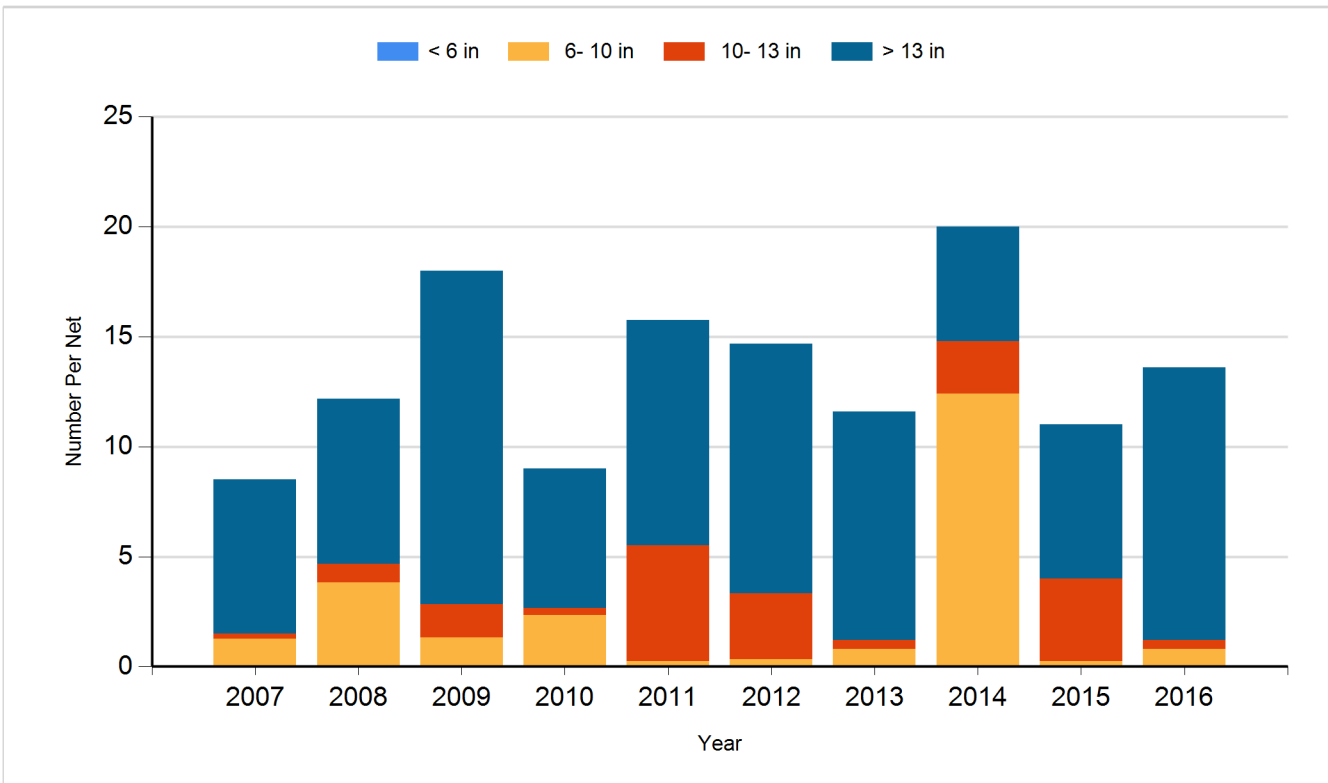
Species: White Bass
Gear: std exp gill net



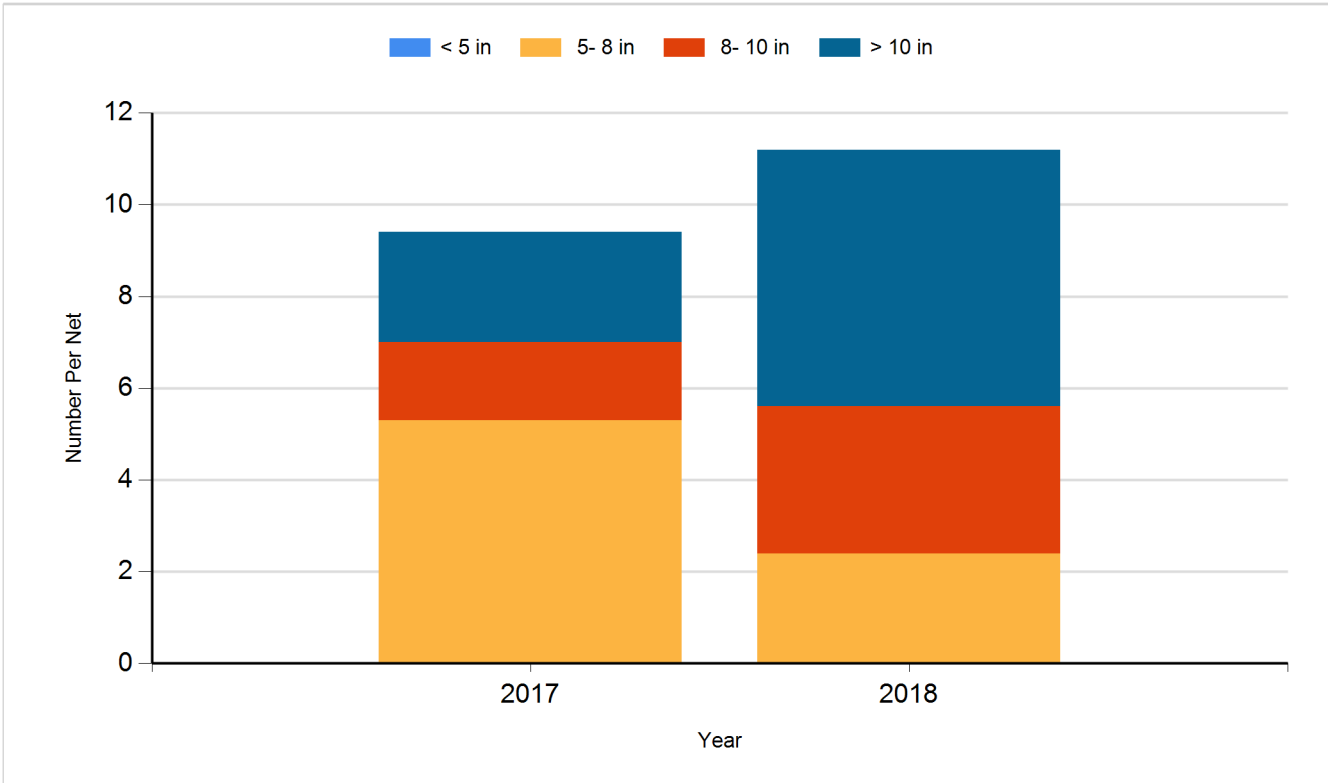
Species: White Sucker
Gear: AFS std gill net



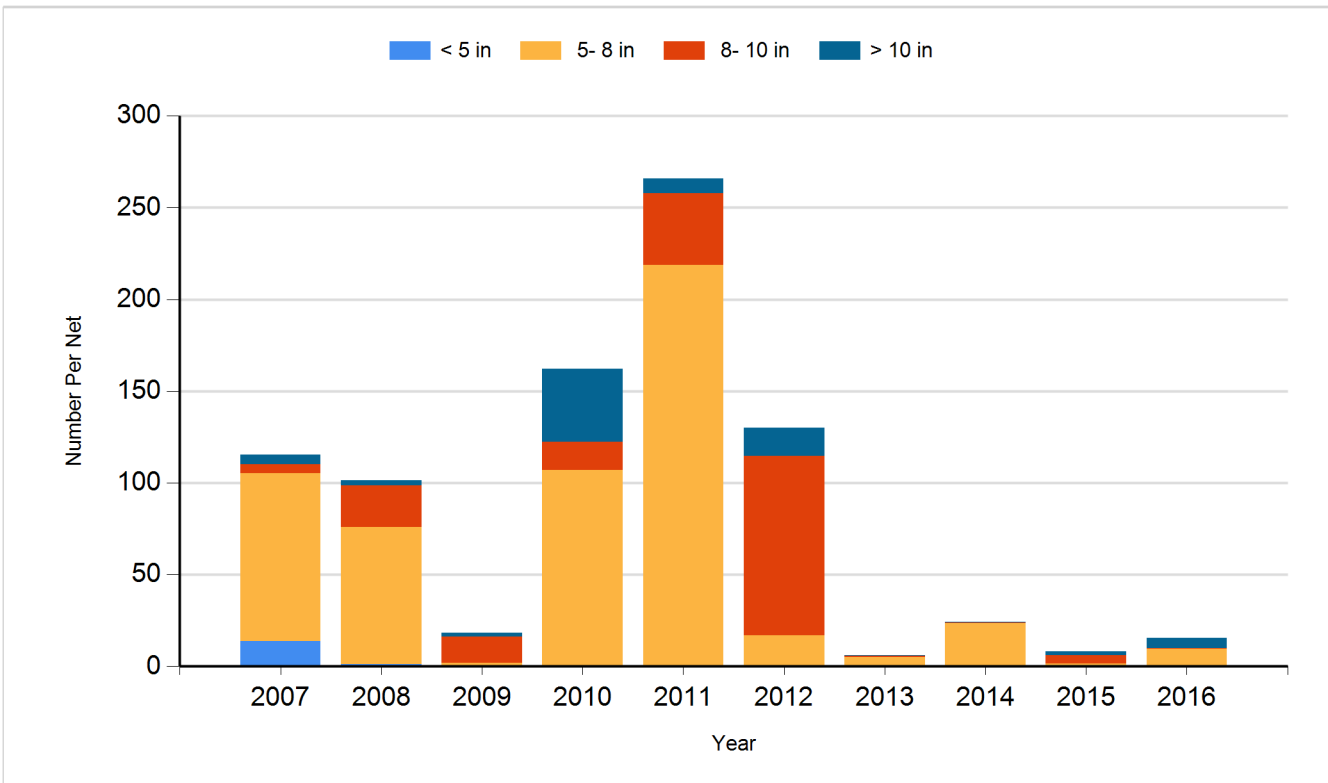
Species: White Sucker
Gear: std exp gill net



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
2007	Walleye	Small Fingerling	264,440
2007	Yellow Perch	Fingerling	187,000
2008	Walleye	Small Fingerling	218,020
2010	Walleye	Small Fingerling	280,320
2011	Northern Pike	Fry	35,200
2011	Walleye	Fry	70,000
2013	Walleye	Small Fingerling	280,150
2014	Walleye	Small Fingerling	196,200
2017	Walleye	Fingerling	195,515