

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY
Shadehill Reservoir, Perkins County
SFG-Lake-1017-000
2021

Lake Information

Name: Shadehill Reservoir
County: Perkins
Surface Area: 5,072 Acres

Surveys and Investigations

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

Gear	Date	Effort
AFS std gill net	Aug 03, 2021	10 net-nights

Common Fish Species Present

Walleye

Smallmouth Bass

Channel Catfish

Black Crappie

Gizzard Shad

Yellow Perch

White Bass

Freshwater Drum

Common Carp

Northern Pike

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	13	1.3	0.7	100		92		94	3
	Channel Catfish	87	8.0	1.8	85	6	8	5	89	1
	Common Carp	20	1.9	0.8	95		32	17	91	2
	Freshwater Drum	21	2.0	1.0	100		25	16	102	2
	Goldeye	27	0.0	0.0						
	Northern Pike	12	1.2	0.5	75		17		76	2
	River Carpsucker	11	1.1	0.6	100		100		98	3
	Shorthead Redhorse	10	1.0	0.5	90		90		90	3
	Smallmouth Bass	5	0.5	0.4	40		0		91	2
	Walleye	66	6.2	2.0	35	9	0		80	1
	White Bass	33	3.3	1.1	100		100		89	1
	White Crappie	1	0.1	0.1	100		100		92	
	Yellow Perch	14	1.4	0.5	93		36	22	95	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.

* Methods/Species that ignore stock length

Gear	Species	CPUE										Avg
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
AFS gill net (1/2 inch)*	Channel Catfish								1.0			1.00
	Common Carp								0.3			0.25
	Walleye								0.5			0.50
AFS std frame net	Black Crappie						14.2					14.20
	Common Carp						0.1					0.10
	Freshwater Drum						0.2					0.20
	Northern Pike						0.2					0.20
	River Carpsucker						0.9					0.90
	Shorthead Redhorse						0.1					0.10
	Smallmouth Bass						0.2					0.20
	Spottail Shiner						0.0					0.00
	Walleye						0.0					0.00
	White Bass						0.9					0.90
White Crappie						4.2					4.20	
AFS std gill net	Bigmouth Buffalo						0.0	0.1	0.0	0.0	0.0	0.02
	Black Crappie						0.4	0.4	0.1	0.4	1.3	0.52
	Bluegill						0.1	0.0	0.0	0.0	0.0	0.02
	Channel Catfish						8.5	8.9	13.9	11.4	8.0	10.14
	Common Carp						2.2	1.8	1.8	2.1	1.9	1.96
	Freshwater Drum						2.2	1.3	1.3	3.1	2.0	1.98
	Gizzard Shad						0.0	0.0	0.0	0.1	0.0	0.02
	Goldeye						0.0	0.0	0.0	0.0	0.0	0.00
	Northern Pike						0.3	0.7	0.2	0.3	1.2	0.54
	River Carpsucker						1.8	1.5	1.4	2.1	1.1	1.58
	Shorthead Redhorse						0.7	1.6	0.9	0.1	1.0	0.86
	Smallmouth Bass						0.2	0.1	0.2	0.0	0.5	0.20
	Walleye						3.6	7.0	3.1	8.1	6.2	5.60
	White Bass						6.0	3.3	2.6	1.8	3.3	3.40
White Crappie						0.8	0.2	0.4	0.8	0.1	0.46	
Yellow Perch						1.2	1.8	1.1	1.6	1.4	1.42	
boat shocker (night)	Walleye*				168.3							168.3 0
frame net (std 3/4 in)	Black Bullhead	0.0	3.0	0.2	0.0	0.0		0.0	0.0			0.46
	Black Crappie	44.6	75.3	1.7	2.9	34.7		2.7	3.0			23.56

		CPUE										
Gear	Species	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Avg
frame net (std 3/4 in)	Bluegill	1.8	0.0	2.4	0.3	0.4		0.1	0.0			0.71
	Channel Catfish	0.0	0.0	3.5	0.2	0.5		6.3	6.4			2.41
	Common Carp	0.1	6.3	0.6	0.5	0.1		0.3	1.9			1.40
	Freshwater Drum	0.0	0.2	0.1	0.1	0.0		0.0	0.6			0.14
	Gizzard Shad	0.0	0.9	0.0	0.0	0.1		0.0	0.0			0.14
	Green Sunfish	0.1	0.0	0.0	0.0	0.0		0.0	0.0			0.01
	Northern Pike	0.0	1.7	0.0	0.1	0.0		0.0	0.2			0.29
	River Carpsucker	0.0	0.4	4.1	0.0	0.0		8.1	1.0			1.94
	Shorthead Redhorse	0.0	0.1	0.7	0.0	0.0		0.2	0.0			0.14
	Smallmouth Bass	0.9	0.2	0.2	0.3	0.3		0.0	0.2			0.30
	Tadpole Madtom	0.0	0.0	0.0	0.0	0.0		0.0	0.0			0.00
	Walleye	0.0	3.8	0.5	0.0	0.1		0.5	2.7			1.09
	White Bass	0.0	0.6	0.1	0.0	0.8		0.3	0.8			0.37
	White Crappie	4.1	49.6	1.7	22.6	45.3		6.8	7.7			19.69
	White Sucker	0.1	0.1	0.1	0.0	0.0		0.0	0.0			0.04
Yellow Perch	0.4	0.2	0.3	0.0	0.0		0.1	0.2			0.17	
std exp gill net	Black Bullhead	0.0	0.0	0.0	0.0	0.2						0.04
	Black Crappie	1.3	2.8	1.8	1.5	1.7						1.82
	Bluegill	0.0	0.0	0.2	0.0	0.0						0.04
	Channel Catfish	19.0	14.8	21.3	12.5	22.7						18.06
	Common Carp	1.3	0.4	2.2	1.7	8.2						2.76
	Freshwater Drum	1.0	0.4	0.8	2.3	3.0						1.50
	Gizzard Shad	2.3	3.6	0.0	2.3	1.0						1.84
	Goldeye	0.0	0.0	0.0	0.0	0.0						0.00
	Northern Pike	0.8	0.8	0.7	1.5	0.3						0.82
	River Carpsucker	0.7	1.4	0.8	0.3	0.8						0.80
	Shorthead Redhorse	0.3	1.8	6.5	5.8	2.3						3.34
	Smallmouth Bass	0.0	0.0	0.2	0.0	0.0						0.04
	Spottail Shiner	0.0	0.0	0.0	0.0	0.0						0.00
	Walleye	14.2	25.2	7.7	6.7	8.0						12.36
	White Bass	0.7	1.0	9.8	20.3	1.3						6.62
White Crappie	3.3	0.6	0.2	0.7	1.5						1.26	
White Sucker	0.0	0.2	0.0	0.2	0.0						0.08	
Yellow Perch	2.0	4.4	5.7	4.2	3.3						3.92	

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												
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
AFS std frame net	Black Crappie	PSD							100						
		PSD-P							82						
		Wr							95						
	Common Carp	PSD								0					
		PSD-P								0					
		Wr													
	Northern Pike	PSD								100					
		PSD-P								100					
		Wr								87					
	Smallmouth Bass	PSD								50					
		PSD-P								0					
		Wr								91					
	Walleye	PSD								0					
		PSD-P								0					
	White Bass	PSD								100					
		PSD-P								100					
		Wr								91					
	AFS std gill net	Black Crappie	PSD							100	100	100	100	100	
PSD-P									100	100	100	75	92		
Wr									94	95	90	99	94		
Channel Catfish		PSD								41	63	58	62	85	
		PSD-P								5	5	4	5	8	
		Wr								86	87	83	89	89	
Common Carp		PSD								73	100	100	90	95	
		PSD-P								12	27	28	52	32	
		Wr								93	89	90	96	91	
Gizzard Shad		PSD								0					
Northern Pike		PSD								100	100	50	33	75	
		PSD-P								0	50	0	0	17	
		Wr								83	83	82	83	76	
Smallmouth Bass		PSD								100	0	50		40	
		PSD-P								50	0	0		0	
		Wr								71	100	91		91	
Walleye		PSD								33	27	26	30	35	

Gear	Species	Index	Year											
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		
AFS std gill net	Walleye	PSD-P							9	1	6	6	0	
		Wr							81	79	80	83	80	
	White Bass	PSD							90	100	96	100	100	
		PSD-P							90	64	96	94	100	
	Yellow Perch	Wr							92	89	87	85	89	
		PSD							86	73	100	88	93	
		PSD-P							14	9	55	50	36	
		Wr								92	99	90	95	95
boat shocker (night)	Walleye	PSD					80							
		PSD-P					20							
		Wr					90							
frame net (std 3/4 in)	Black Crappie	PSD	97	99	100	100	98		100	100				
		PSD-P	12	2	100	100	97		96	100				
		Wr	108	98	96	104	103		87	89				
	Channel Catfish	PSD		0	37	50	100		37	31				
		PSD-P		0	0	0	0		0	0				
		Wr			91	77	91		82	91				
	Common Carp	PSD	0	25	67	80	0		100	82				
		PSD-P	0	4	50	60	0		0	29				
		Wr	99	91	86	103	96		90	89				
	Gizzard Shad	PSD		13				100						
		Wr		84				85						
	Northern Pike	PSD		100			100					100		
		PSD-P		73			100					100		
		Wr		99			93					53		
	Smallmouth Bass	PSD	14	0	100	33	33				100			
		PSD-P	0	0	0	33	33				0			
		Wr	93	77	93	99	92				94			
	Walleye	PSD		62	80			100		100	83			
		PSD-P		9	0			0		80	4			
		Wr		81	88			99		79	82			
	White Bass	PSD		100	100			100		100	100			
		PSD-P		20	100			63		100	100			
		Wr		86	84			91		85	88			
	Yellow Perch	PSD	100	100	100					100	50			
		PSD-P	33	0	0					100	50			

Gear	Species	Index	Year									
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
frame net (std 3/4 in)	Yellow Perch	Wr	99	86	93				74	94		
std exp gill net	Black Crappie	PSD	100	100	91	100	100					
		PSD-P	13	43	91	100	90					
		Wr	102	110	116	103	100					
	Channel Catfish	PSD	56	53	55	53	35					
		PSD-P	0	1	0	0	1					
		Wr	85	87	82	88	86					
	Common Carp	PSD	25	50	77	70	76					
		PSD-P	13	50	23	0	10					
		Wr	90	84	91	96	85					
	Gizzard Shad	PSD	0	94	0	86	83					
		Wr	90	89		122						
	Northern Pike	PSD	60	100	100	67	50					
		PSD-P	20	50	50	33	50					
		Wr	90	93	79	87	79					
	Smallmouth Bass	PSD			100							
		PSD-P			100							
		Wr			96							
	Walleye	PSD	6	21	74	58	52					
		PSD-P	1	1	4	0	8					
		Wr	77	86	80	84	86					
	White Bass	PSD	100	100	58	98	100					
		PSD-P	25	60	44	30	63					
		Wr	86	104	93	95	94					
	Yellow Perch	PSD	58	77	65	36	90					
		PSD-P	0	0	6	12	20					
		Wr	91	99	96	101	98					

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+
2013	1304				227 (1271)	242 (33)					

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2020	83	200 (2)	297 (5)	299 (10)	354 (45)	415 (14)	414 (2)	490 (1)	556 (1)	588 (1)	597 (3)
2019	31		274 (3)	318 (20)	385 (2)	443 (4)					593 (2)
2018	22		310 (12)	366 (8)	384 (2)						
2017	35		333 (9)	366 (13)	430 (4)	423 (2)		471 (2)	528 (4)	630 (1)	
2016	96		294 (38)	384 (16)	394 (2)	411 (10)	468 (8)	480 (20)	505 (2)		
2015	104	215 (26)	305 (18)	353 (12)	398 (8)	396 (12)	443 (26)	441 (2)			
2014	92	275 (10)	330 (4)	367 (8)	407 (6)	430 (58)	545 (2)		483 (2)		748 (2)
2013	252	221 (4)	297 (8)	302 (22)	348 (207)	432 (7)				525 (4)	
2012	168		285 (17)	326 (149)		556 (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).

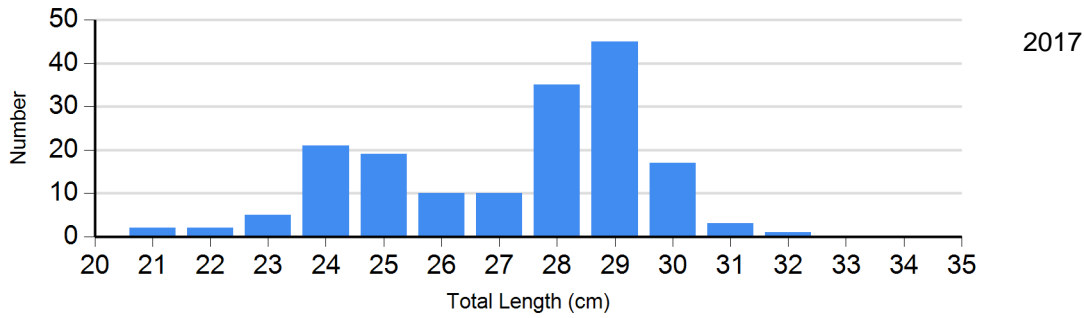
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Crappie Frame Net	2017	0		30	103 (1.4)	119	93 (0.8)	21	90 (1.1)
	2018	0		1	90	21	89 (1.3)	5	78 (5.2)
	2019	0		0		18	91 (1.9)	9	86 (1.9)
Channel Catfish Gill Net	2017	60	87 (1.2)	37	87 (1.3)	5	82 (8.7)	0	
	2018	40	86 (1.3)	62	87 (1.0)	5	82 (0.9)	0	
	2019	59	82 (0.7)	75	83 (0.8)	5	91 (2.1)	0	
	2020	43	87 (1.1)	65	89 (0.8)	6	87 (3.5)	0	
	2021	12	88 (1.7)	62	89 (0.9)	6	84 (4.5)	0	
Common Carp Gill Net	2017	7		16	93 (2.0)	3		0	
	2018	0		16	89 (0.9)	6	89 (0.2)	0	
	2019	0		13	92 (1.0)	5	85 (1.4)	0	
	2020	2	92	8	93 (1.7)	10	99 (2.0)	1	93
	2021	1	92	12	90 (1.3)	6	94 (5.1)	0	
Northern Pike Gill Net	2017	0		3	83 (3.5)	0		0	
	2018	0		4	82 (2.9)	3	84 (5.3)	1	83
	2019	1	88	1	76	0		0	
	2020	2	80 (3.6)	1	90	0		0	
	2021	3	80 (2.3)	7	73 (0.8)	2	80 (0.8)	0	
Walleye Gill Net	2017	29	81 (0.8)	10	80 (0.9)	3	84 (2.5)	1	88
	2018	61	80 (0.7)	22	78 (0.9)	1	81	0	
	2019	23	81 (0.9)	6	78 (1.7)	2	73 (0.3)	0	
	2020	57	84 (0.7)	19	83 (1.0)	4	79 (3.8)	1	74

Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Walleye Gill Net	2021	40	82 (0.8)	22	77 (1.2)	0		0	
White Bass Gill Net	2017	7	98 (2.2)	0		58	92 (0.6)	7	89 (2.2)
	2018	0		14	92 (1.1)	23	87 (0.8)	2	85 (3.2)
	2019	1		0		24	87 (0.9)	1	
	2020	0		1	98	17	84 (0.9)	0	
	2021	0		0		31	89 (0.9)	2	81 (4.2)
Yellow Perch Gill Net	2017	2	96 (0.8)	10	93 (1.7)	2	87 (0.9)	0	
	2018	6	106 (3.0)	14	96 (2.4)	2	92 (5.0)	0	
	2019	0		5	94 (1.6)	6	87 (2.3)	0	
	2020	2	98 (3.7)	6	102 (2.9)	8	89 (2.3)	0	
	2021	1	103	8	97 (3.4)	5	90 (2.0)	0	

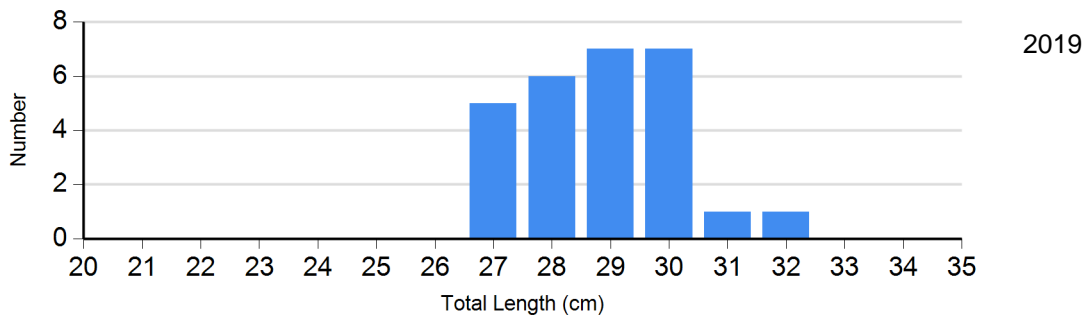
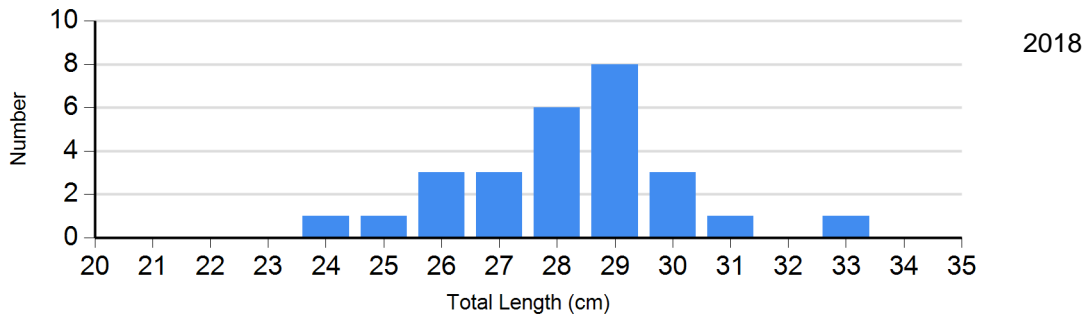
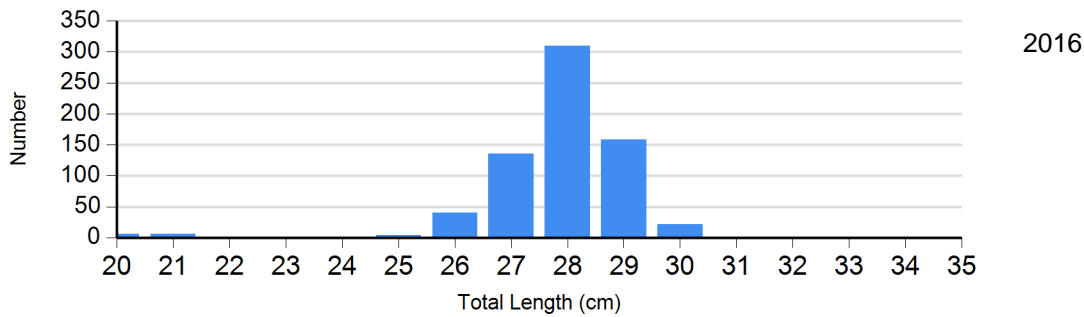
Length Frequency Distribution

Length frequency histogram of species sampled by year.

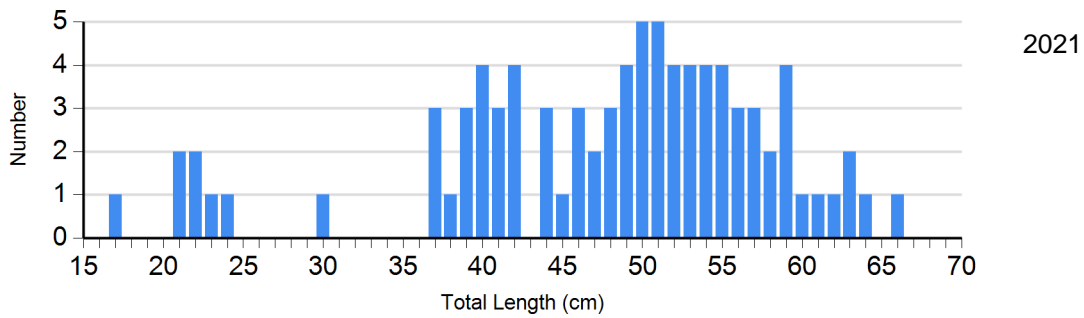
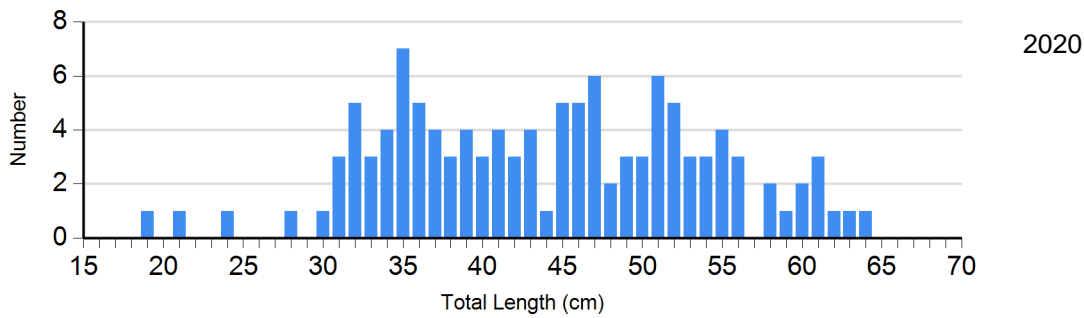
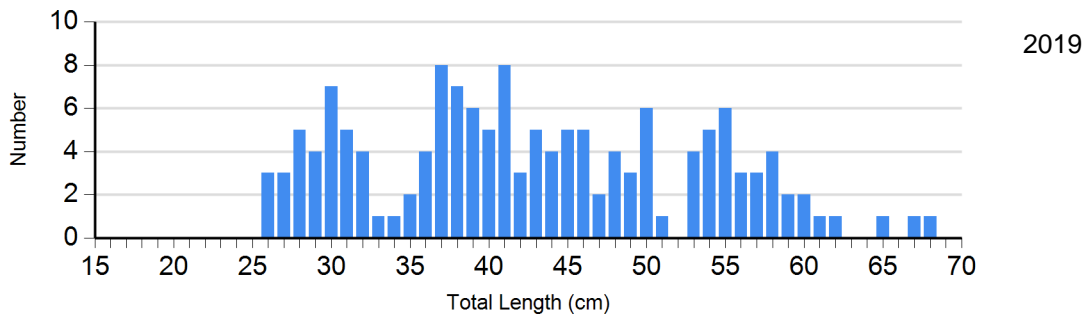
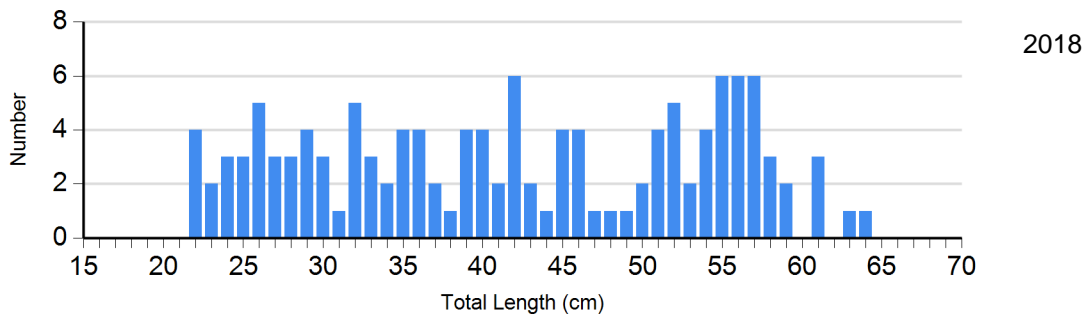
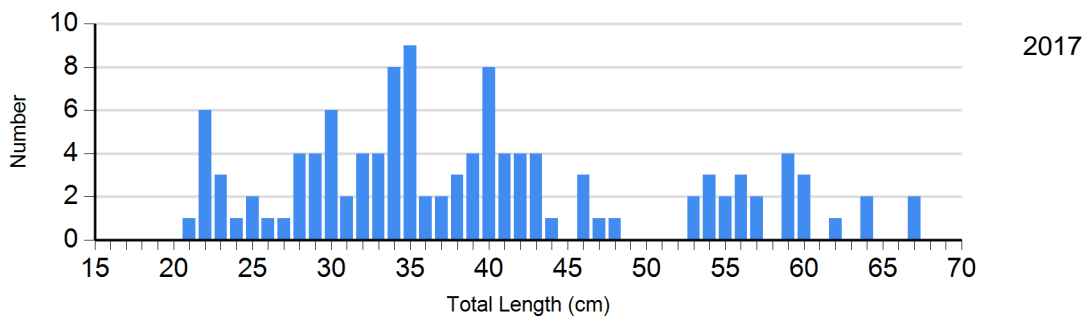
Species: Black Crappie
Gear: AFS std frame net



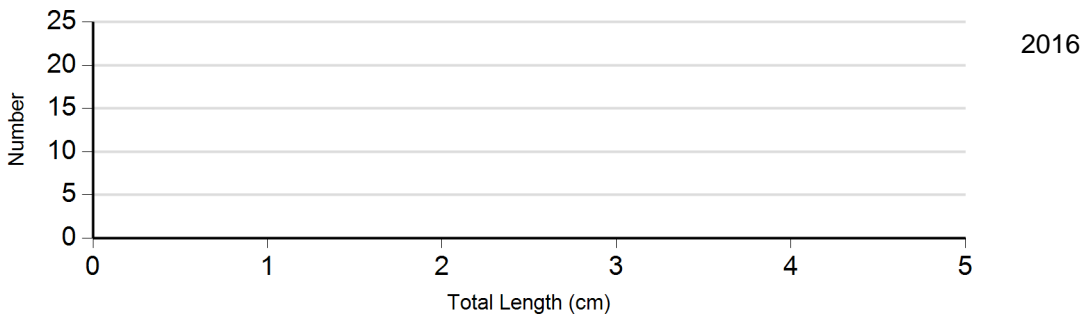
Species: Black Crappie
Gear: frame net (std 3/4 in)



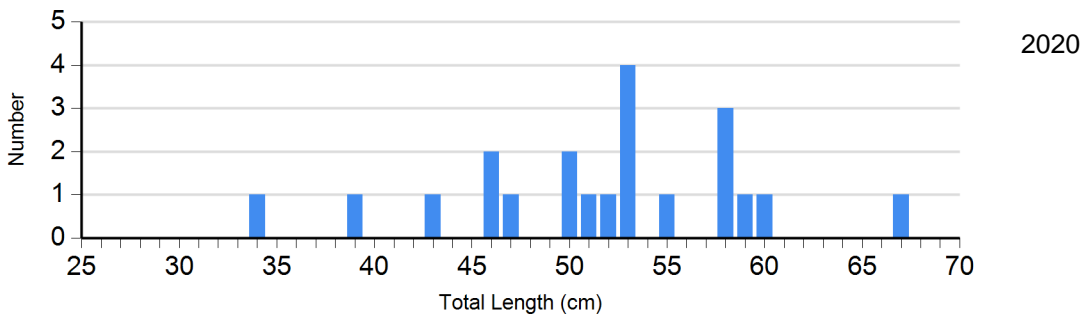
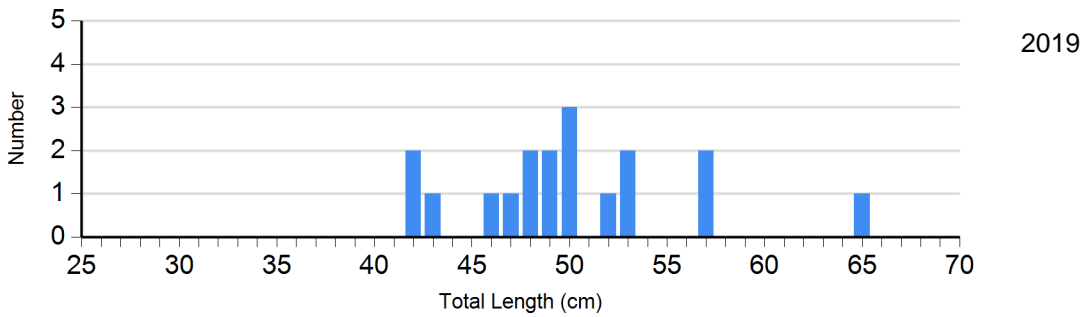
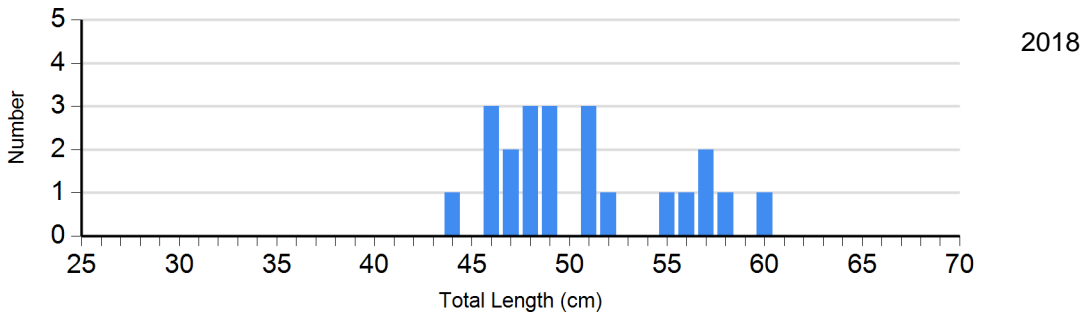
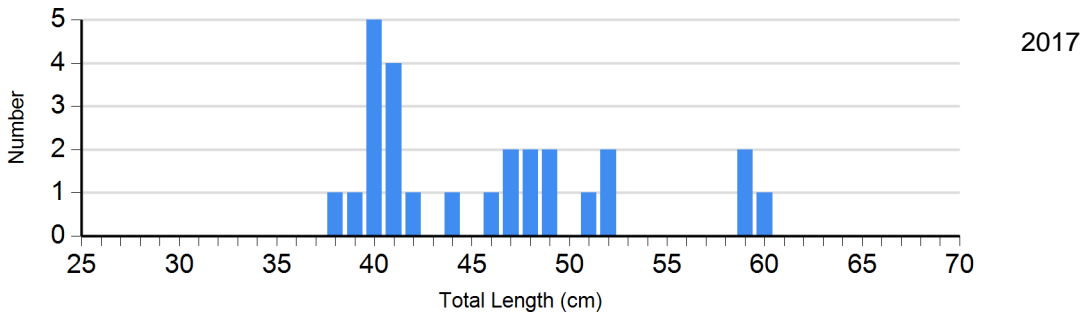
Species: Channel Catfish
Gear: AFS std gill net

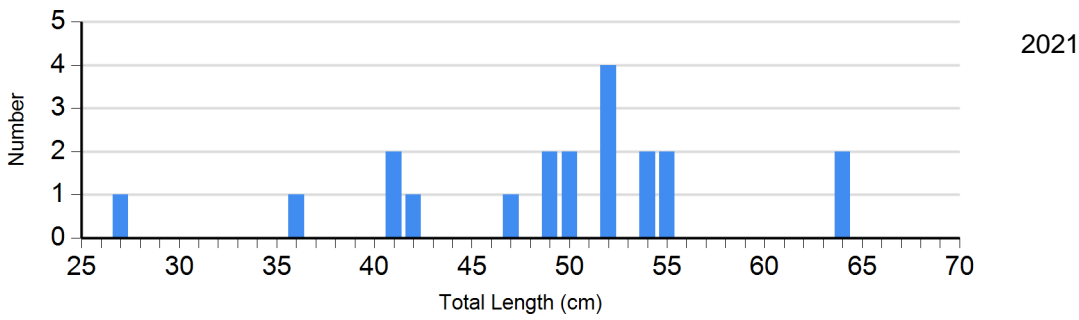


Species: Channel Catfish
Gear: std exp gill net

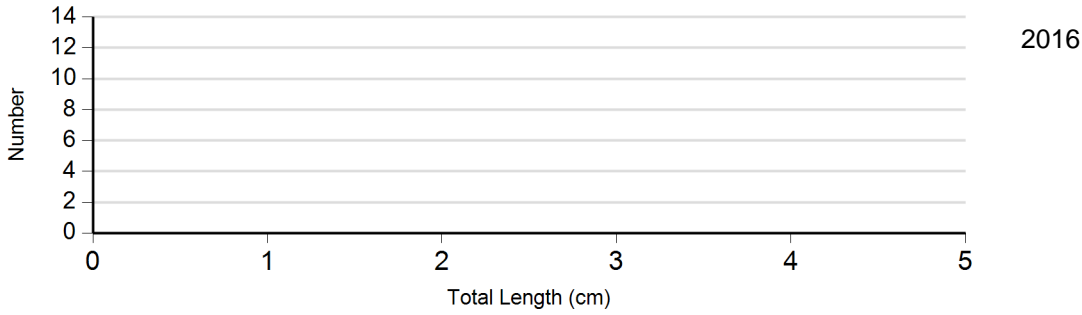


Species: Common Carp
Gear: AFS std gill net

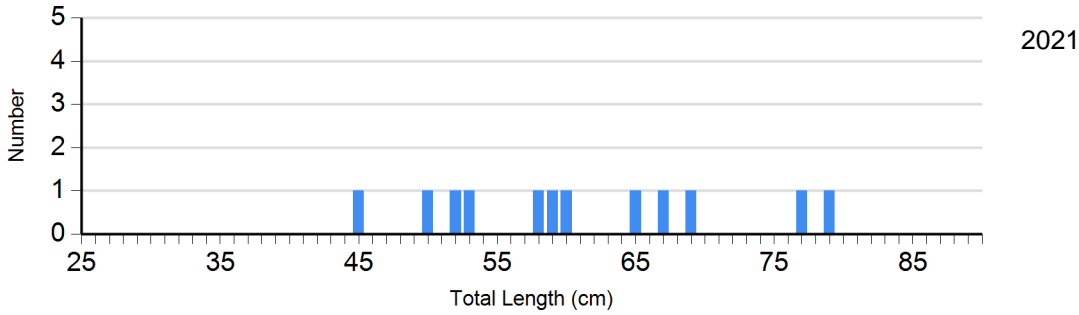




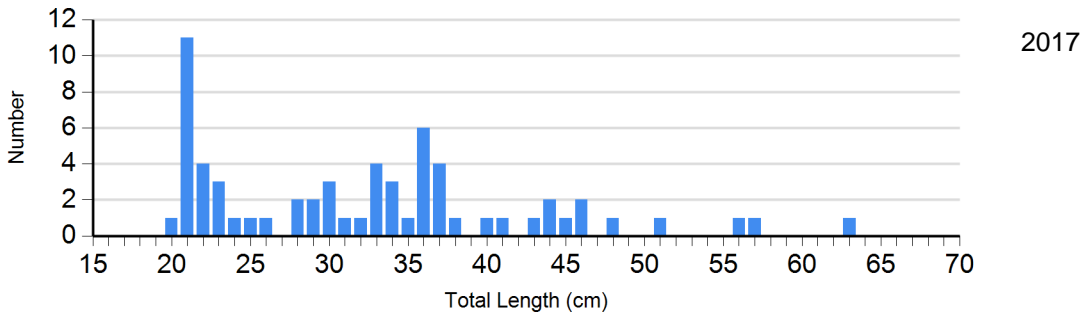
Species: Common Carp
 Gear: std exp gill net

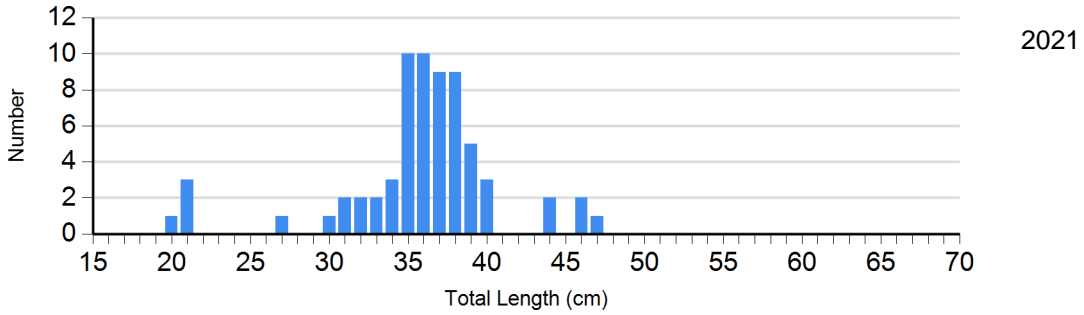
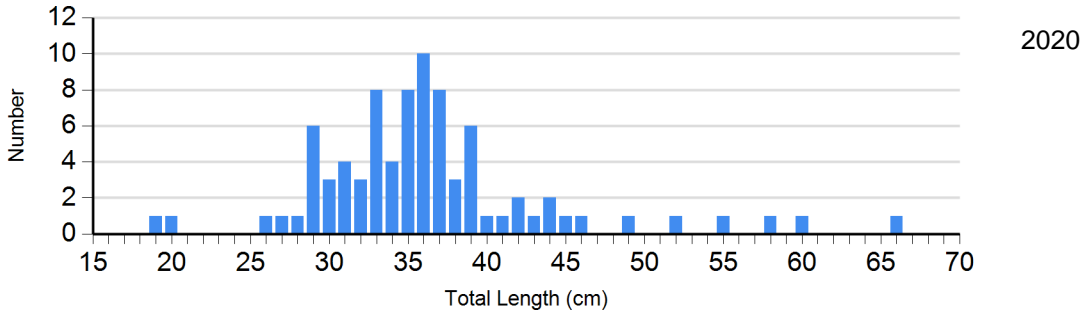
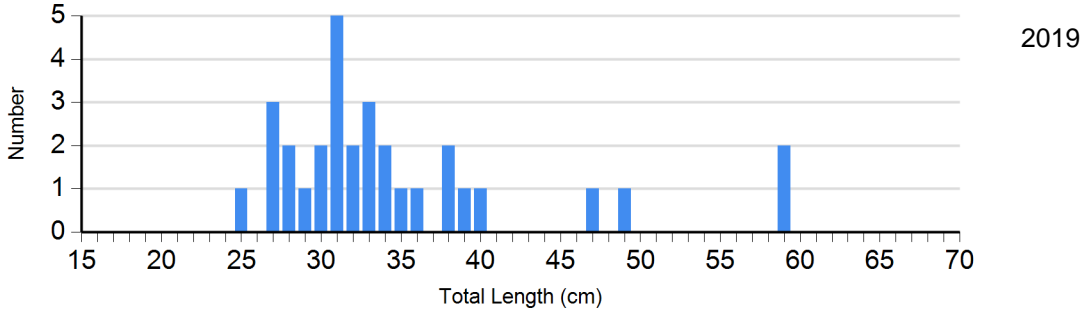
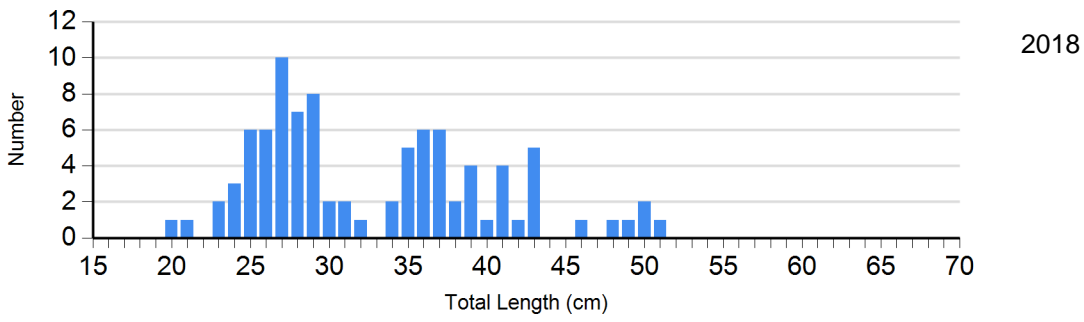


Species: Northern Pike
 Gear: AFS std gill net

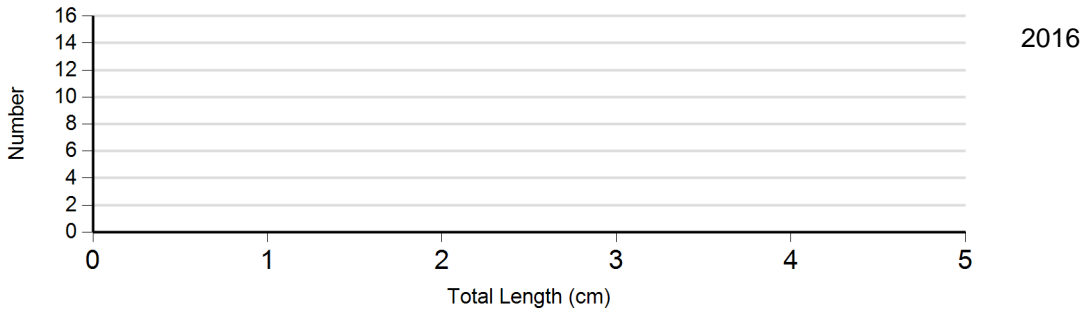


Species: Walleye
 Gear: AFS std gill net

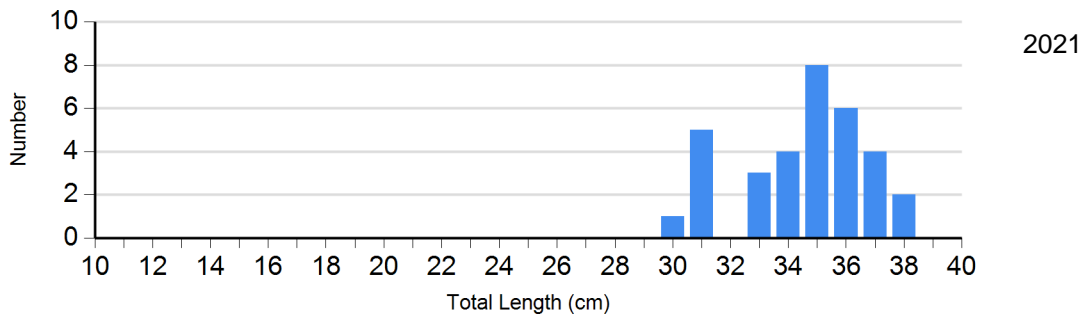
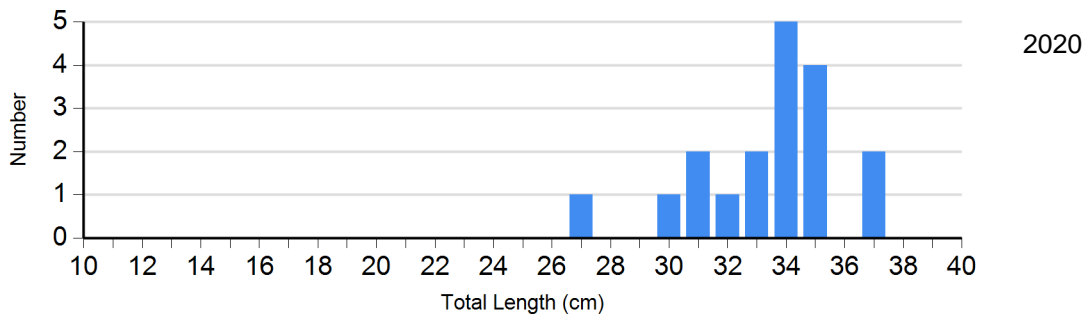
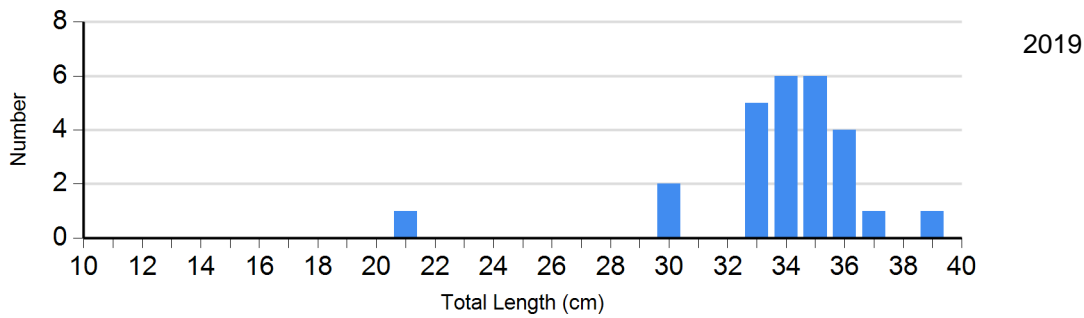
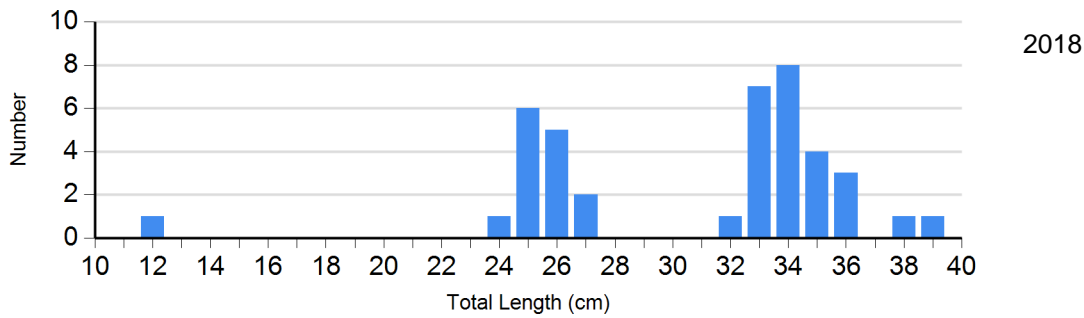
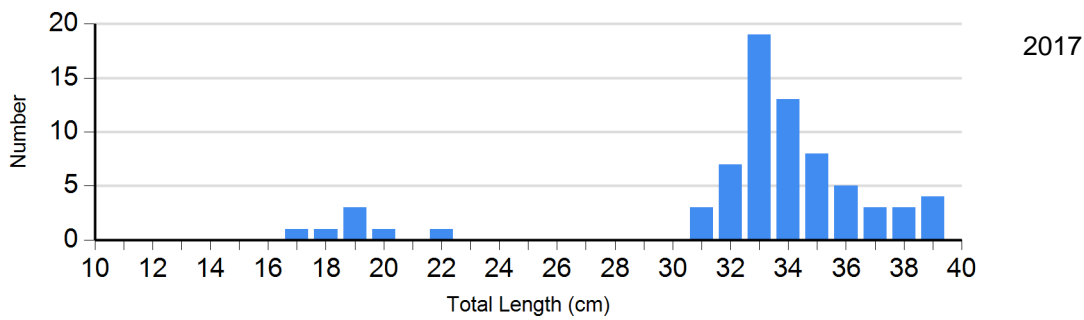




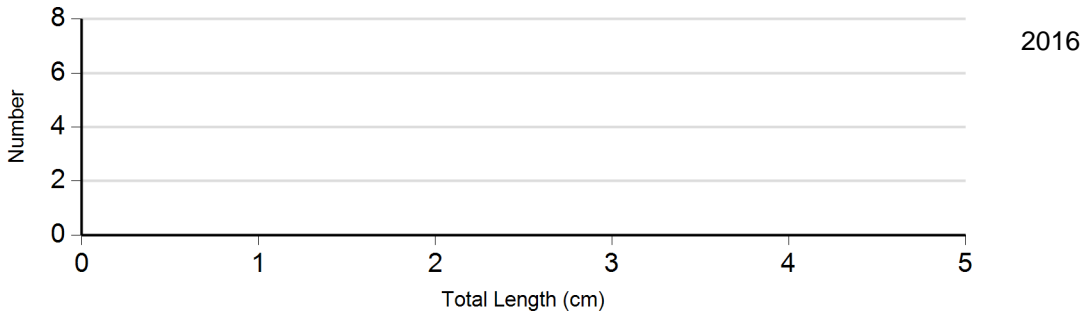
Species: Walleye
 Gear: std exp gill net



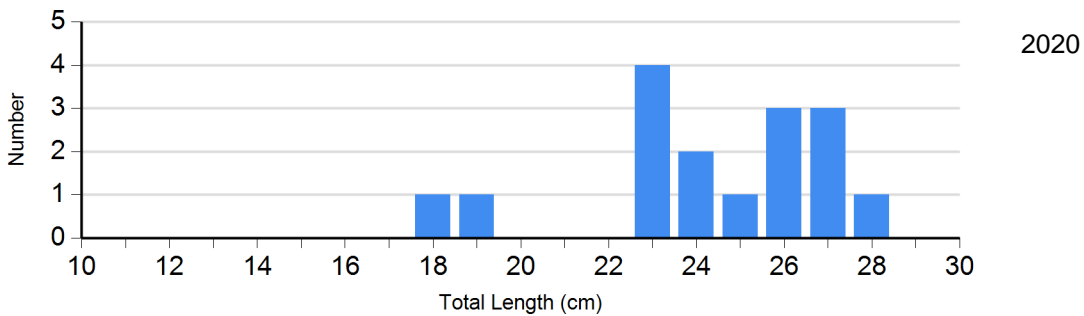
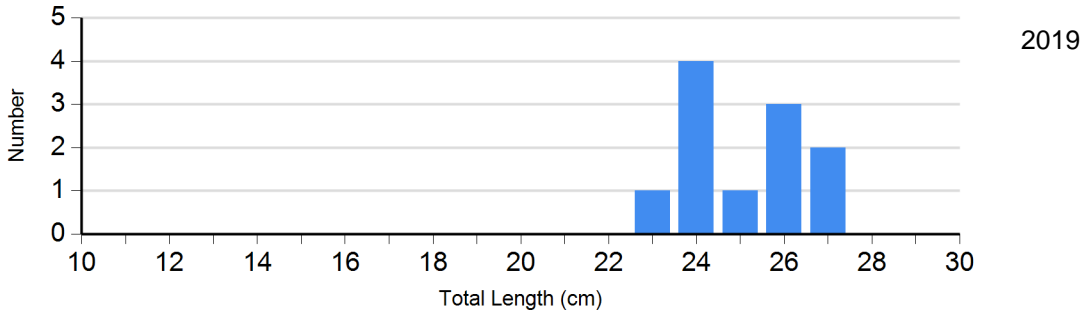
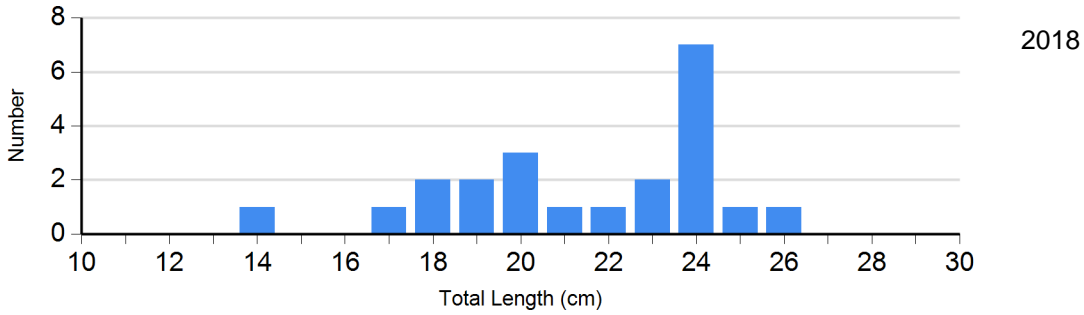
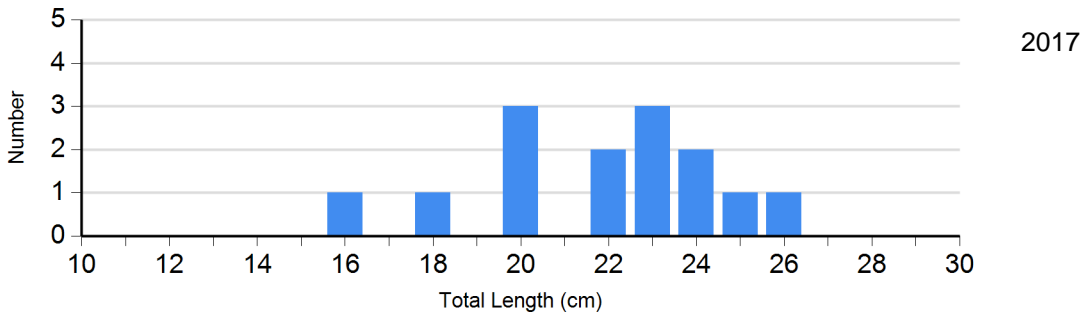
Species: White Bass
Gear: AFS std gill net

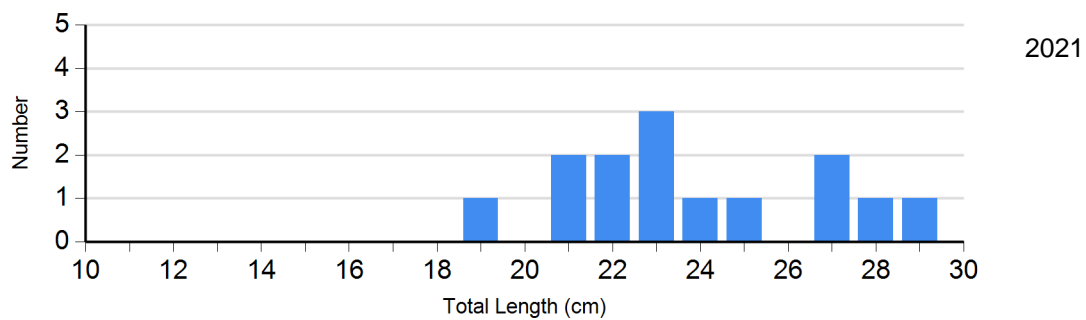


Species: White Bass
Gear: std exp gill net

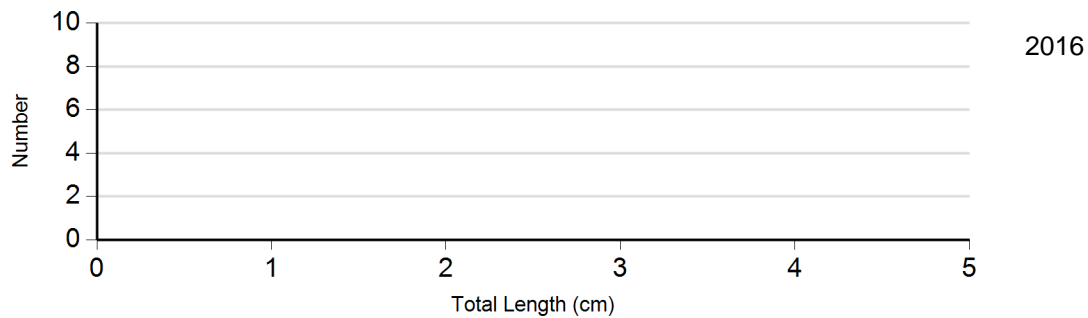


Species: Yellow Perch
Gear: AFS std gill net





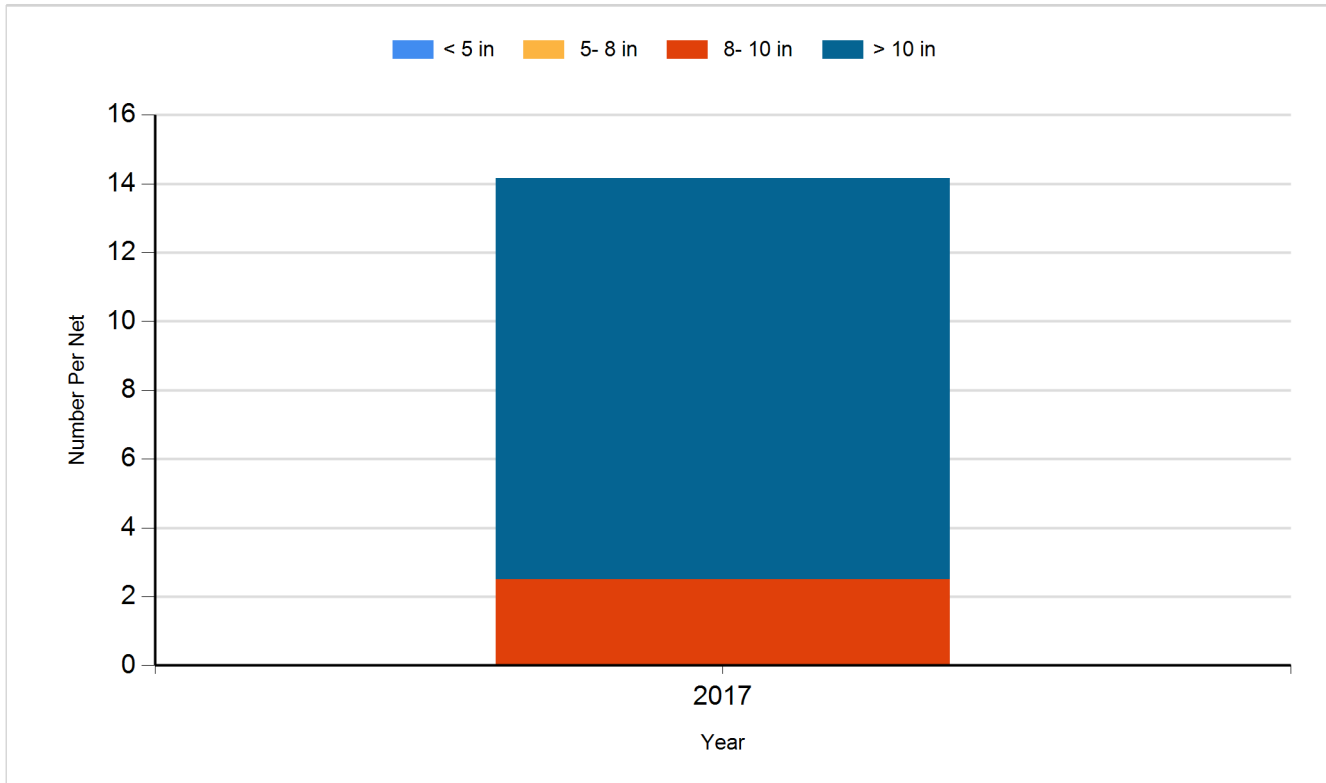
Species: Yellow Perch
 Gear: std exp gill net



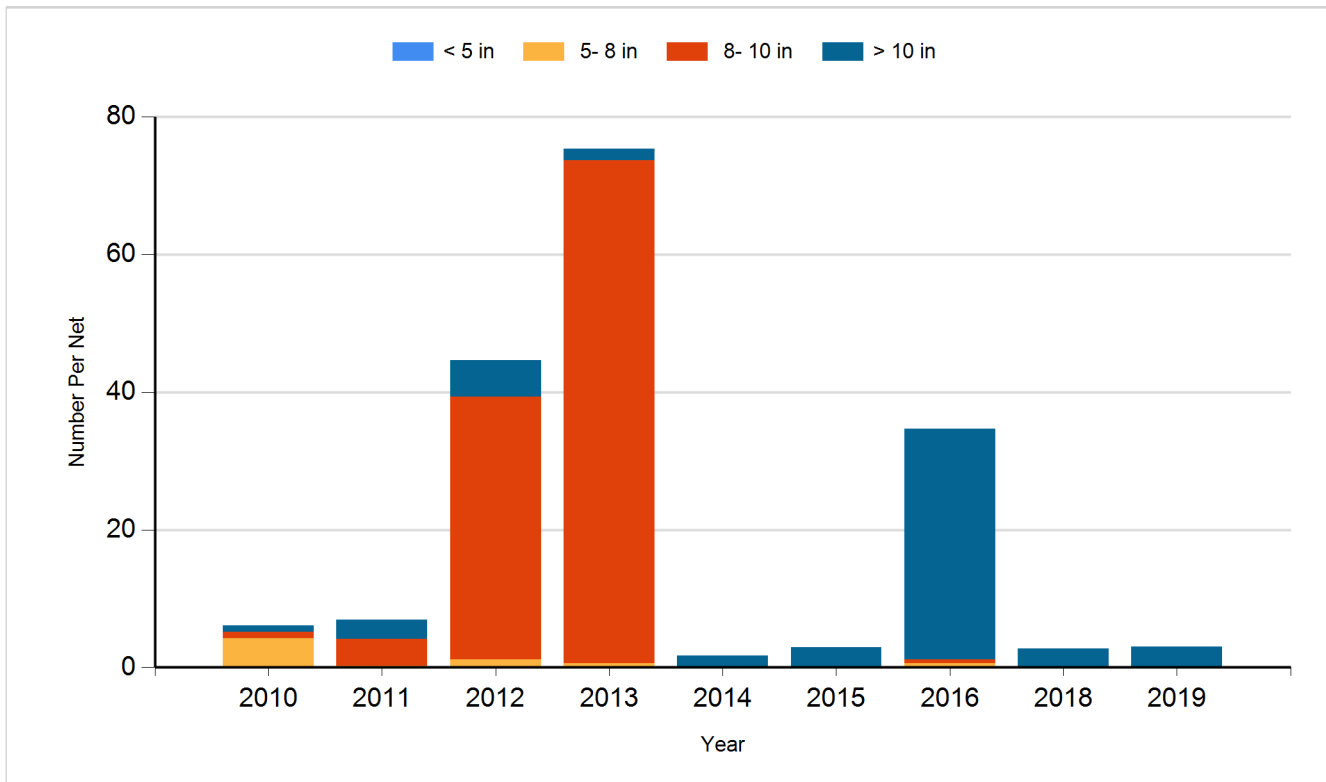
Historic Fish Sizes and Relative Abundance

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

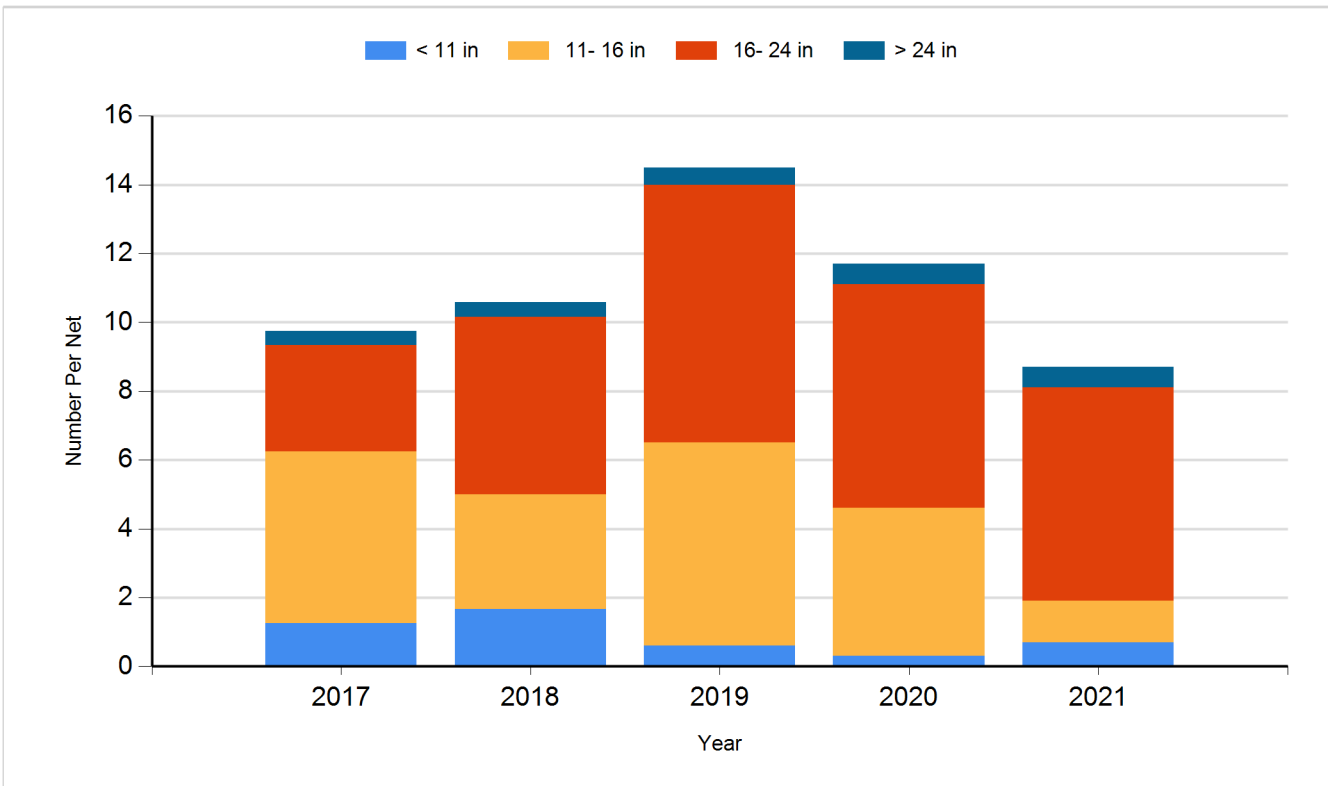
Species: Black Crappie
Gear: AFS std frame net



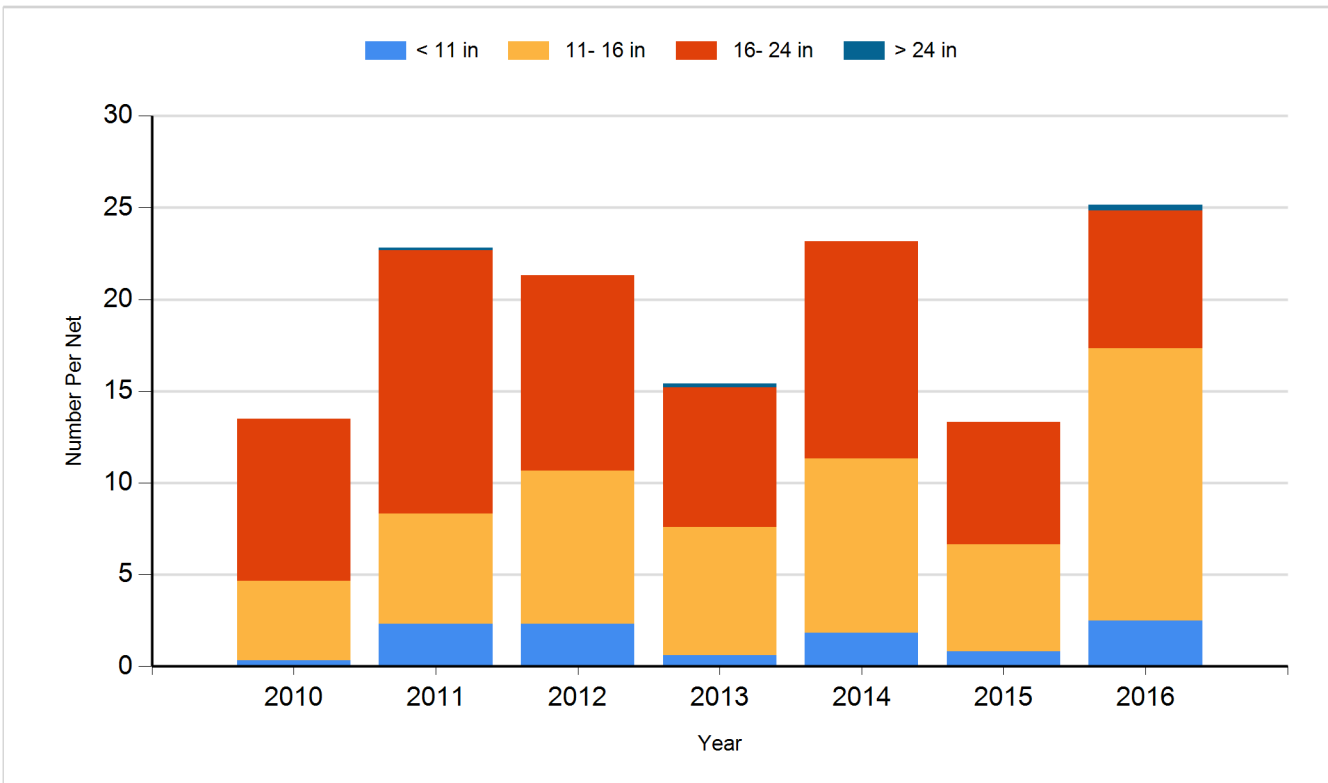
Species: Black Crappie
Gear: frame net (std 3/4 in)



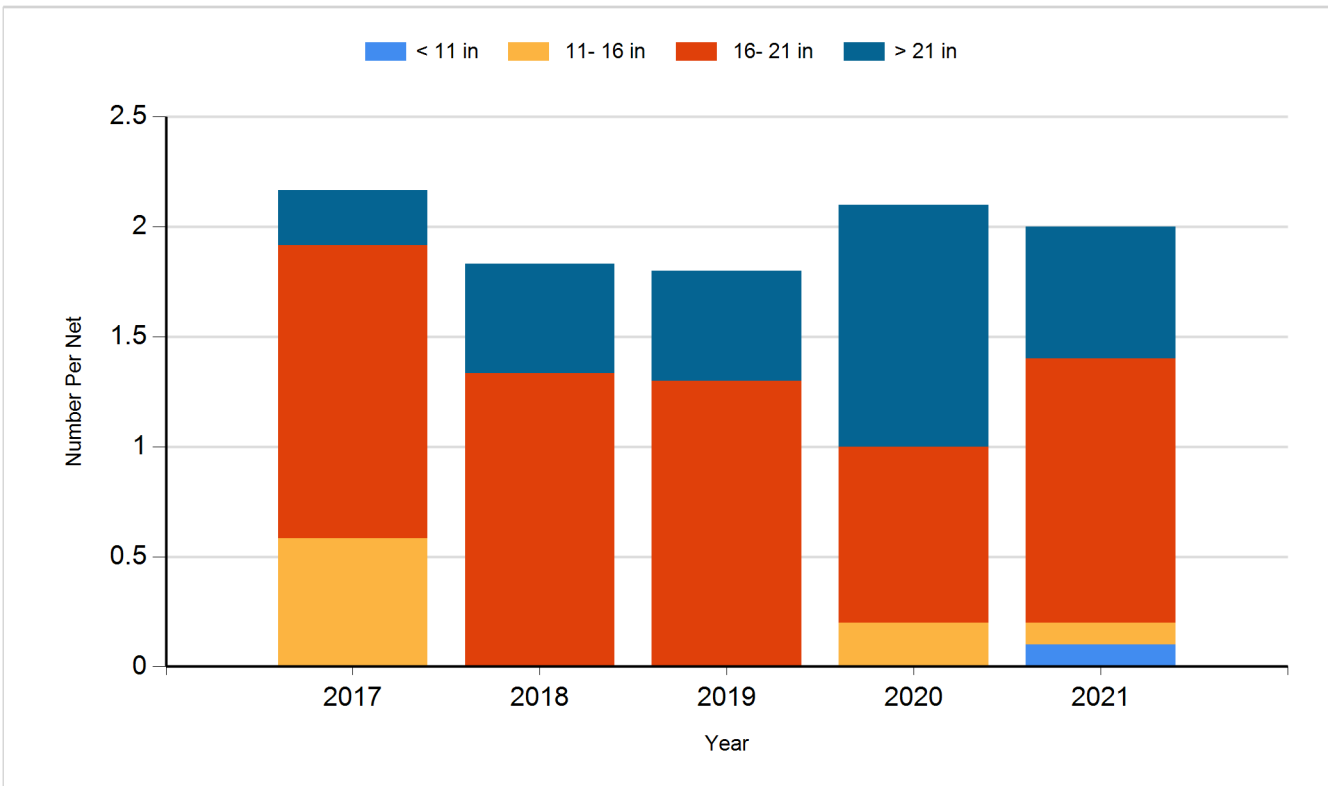
Species: Channel Catfish
Gear: AFS std gill net



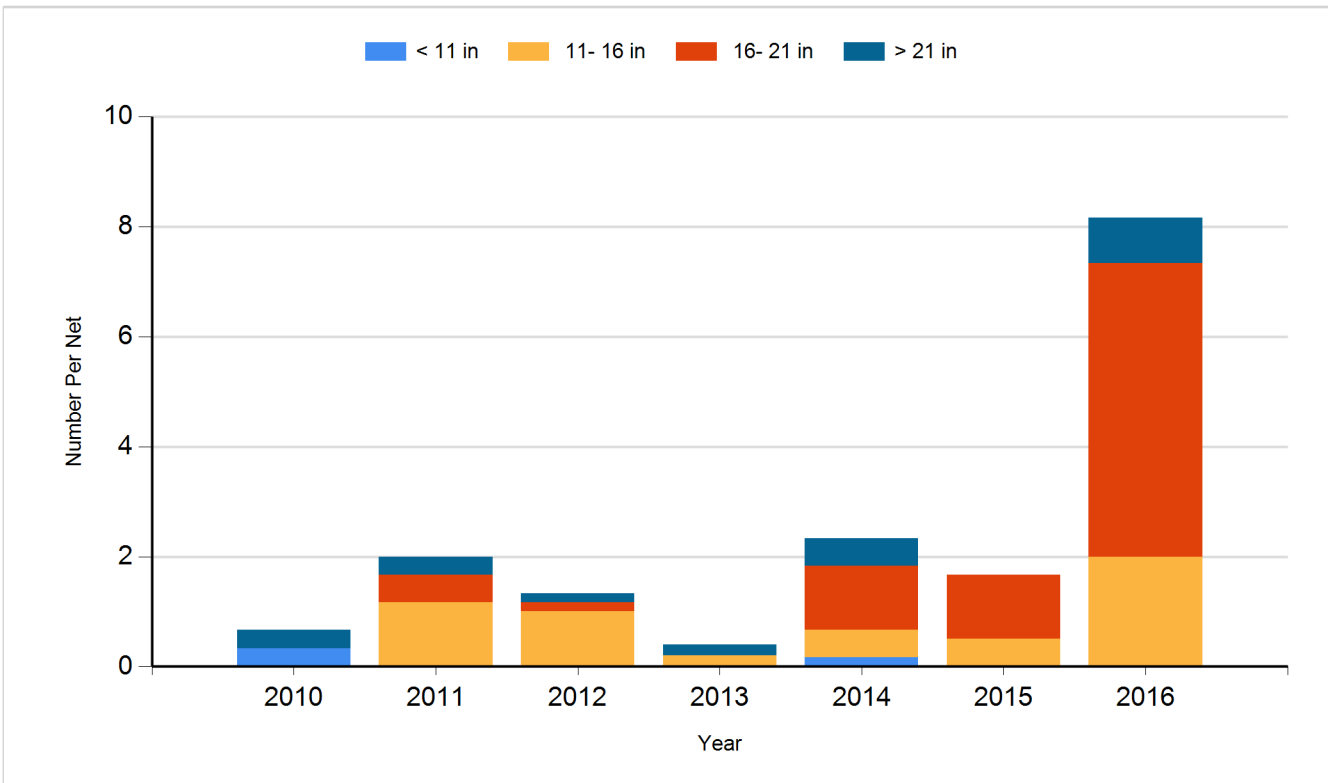
Species: Channel Catfish
Gear: std exp gill net



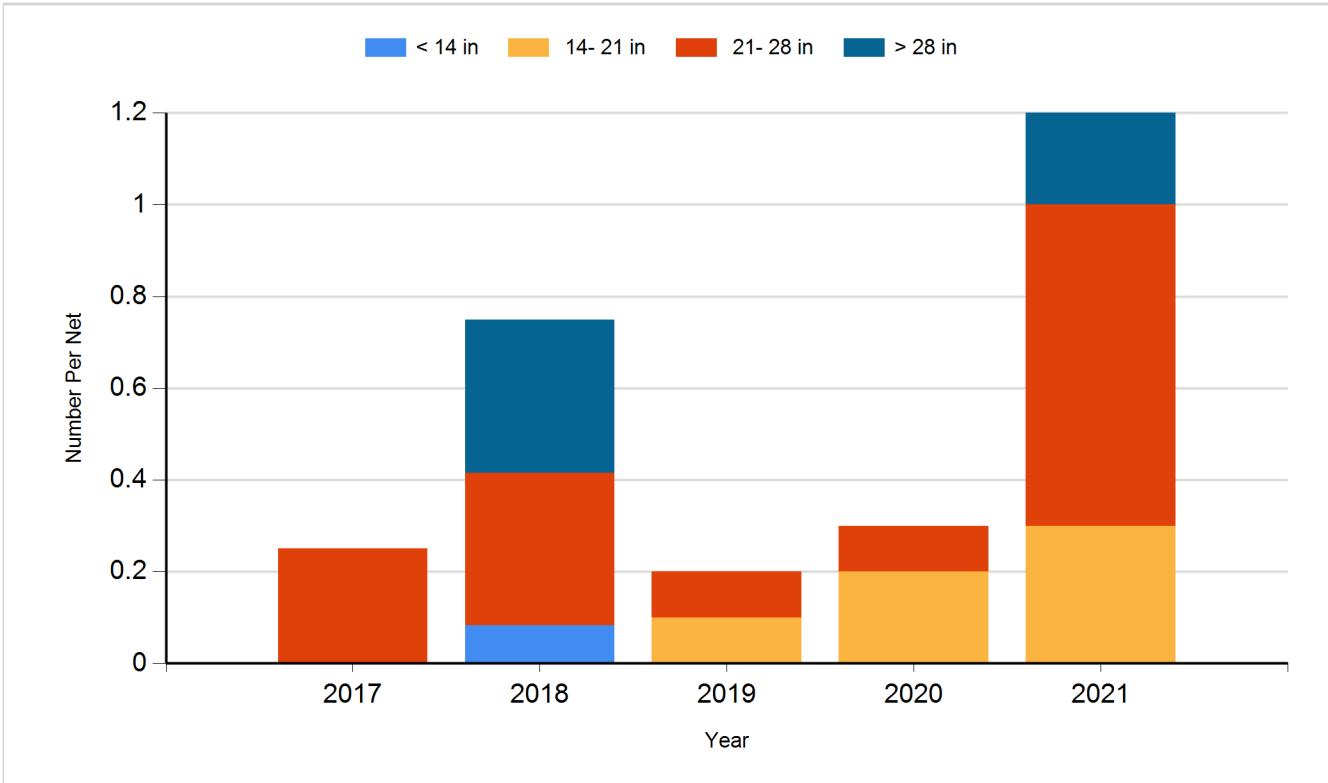
Species: Common Carp
Gear: AFS std gill net



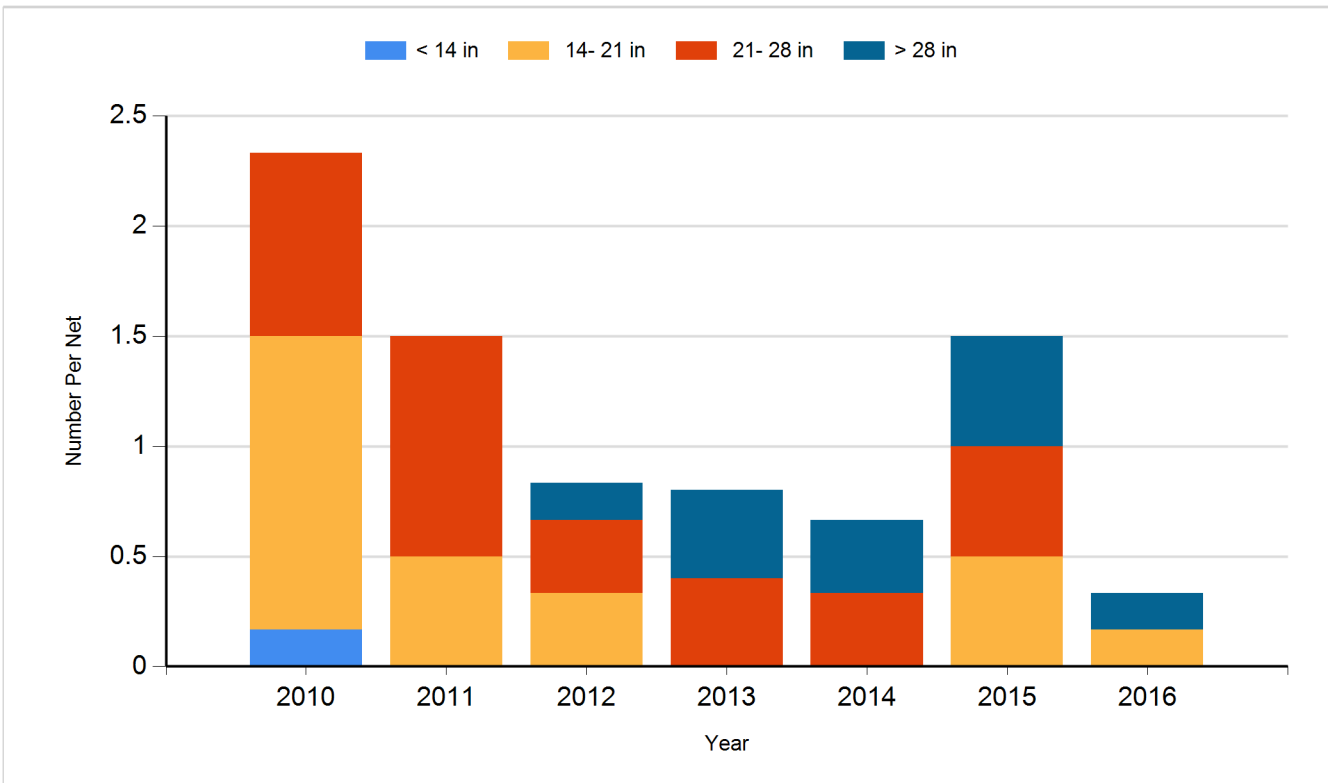
Species: Common Carp
Gear: std exp gill net



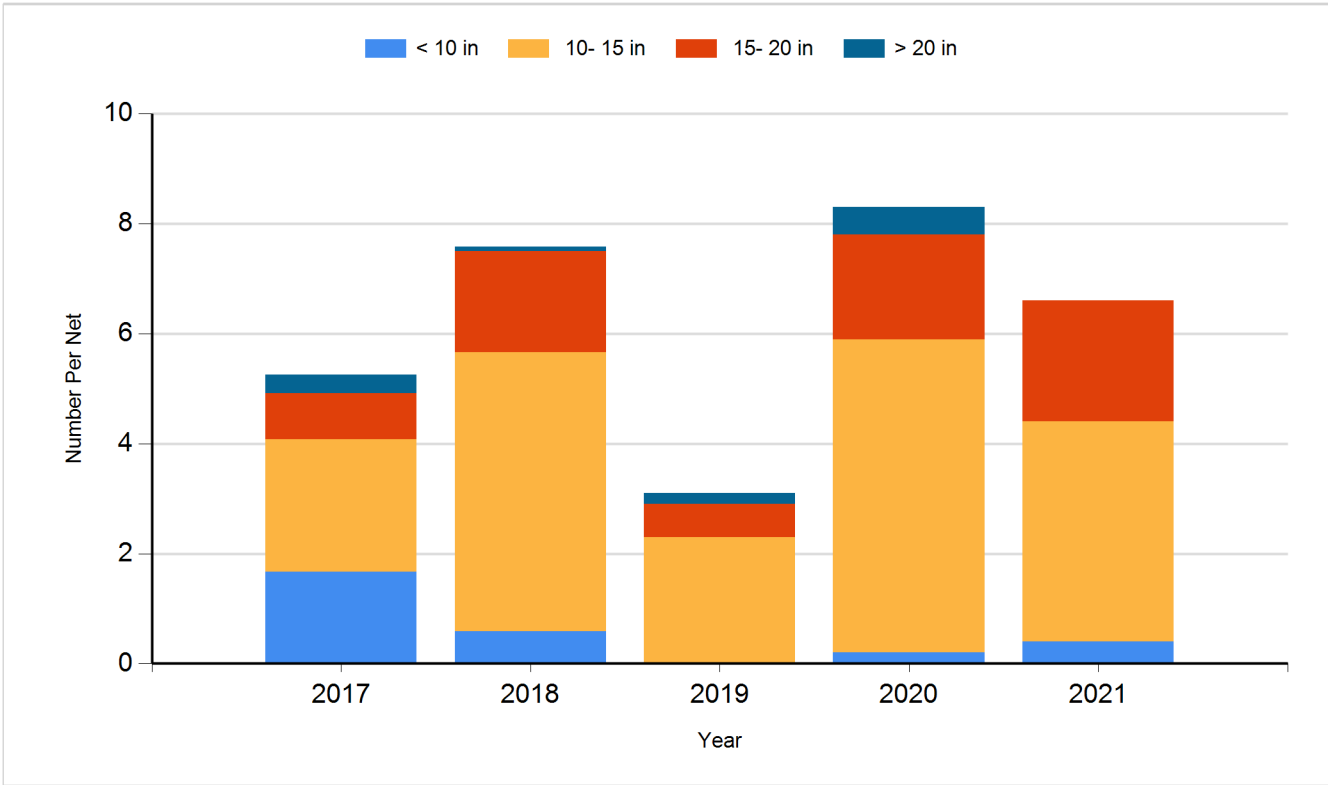
Species: Northern Pike
Gear: AFS std gill net



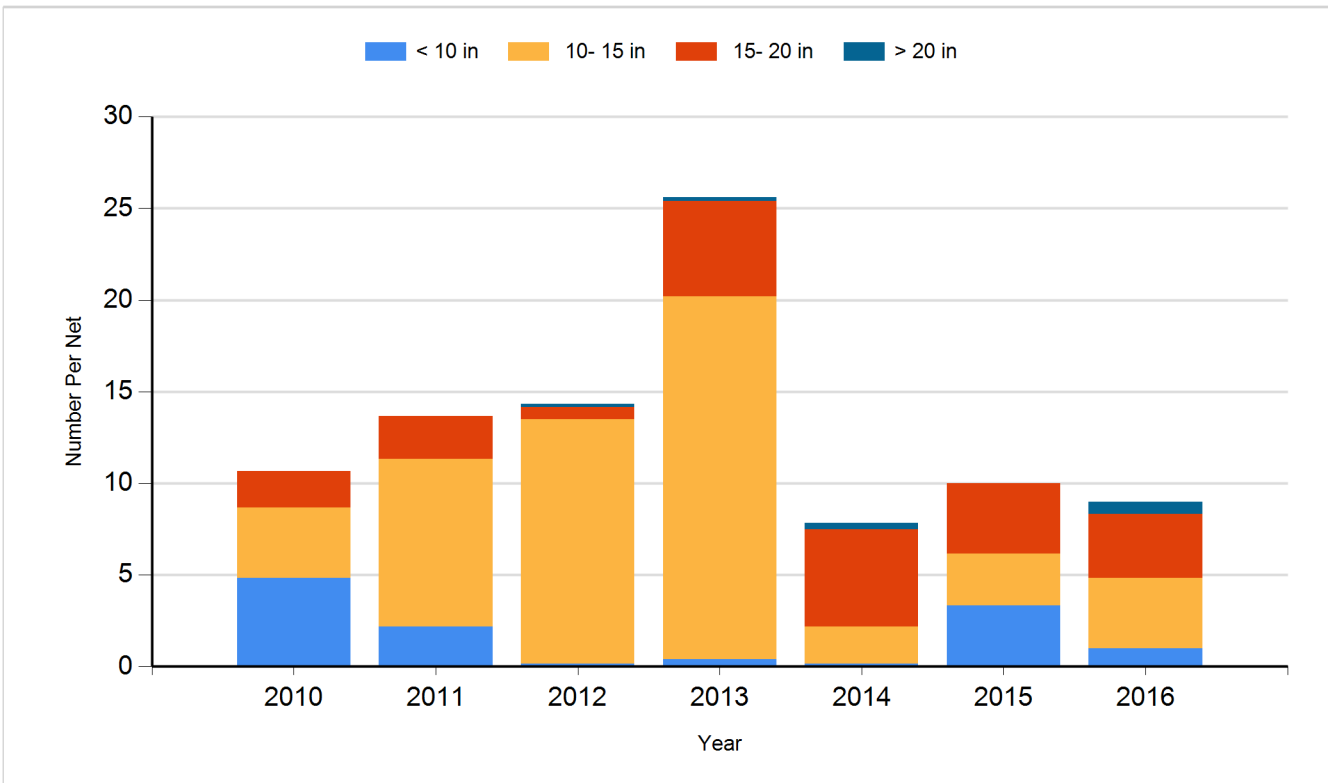
Species: Northern Pike
Gear: std exp gill net



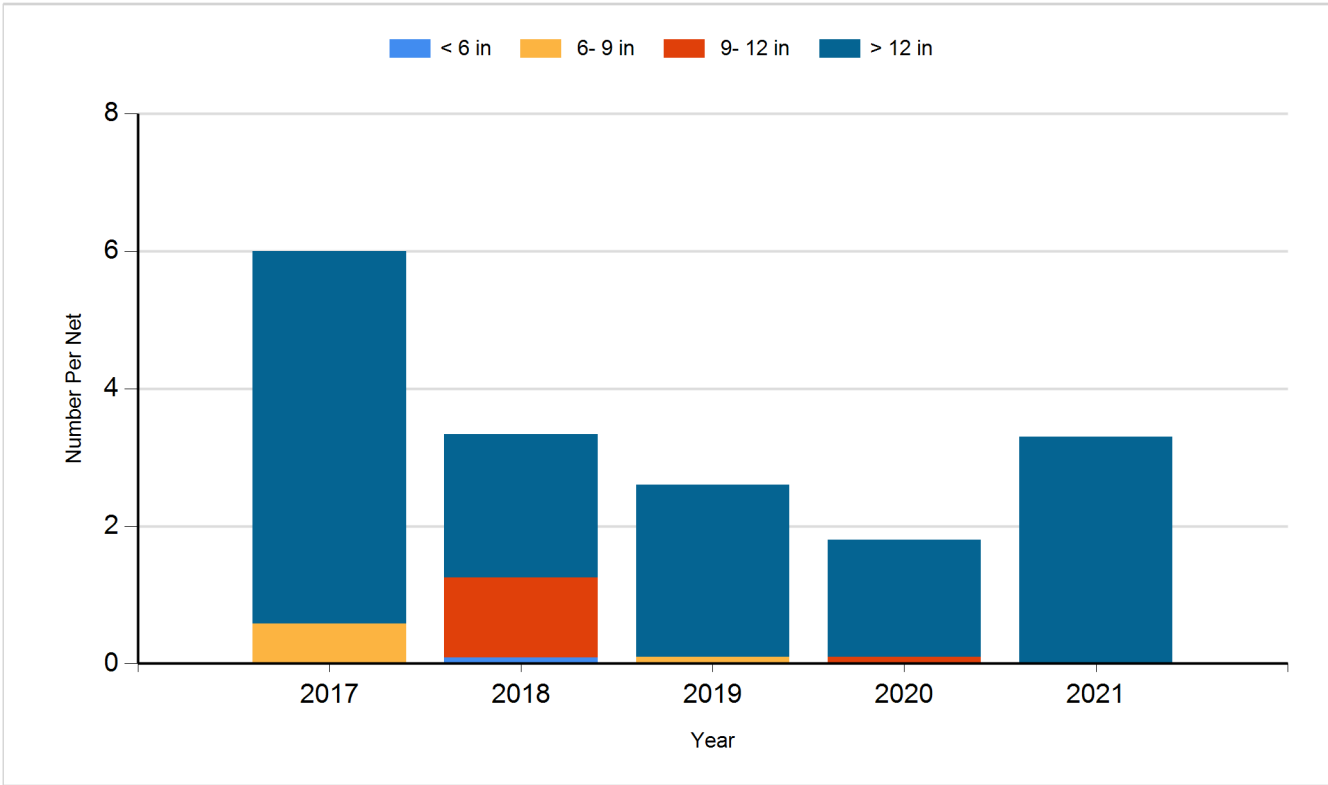
Species: Walleye
Gear: AFS std gill net



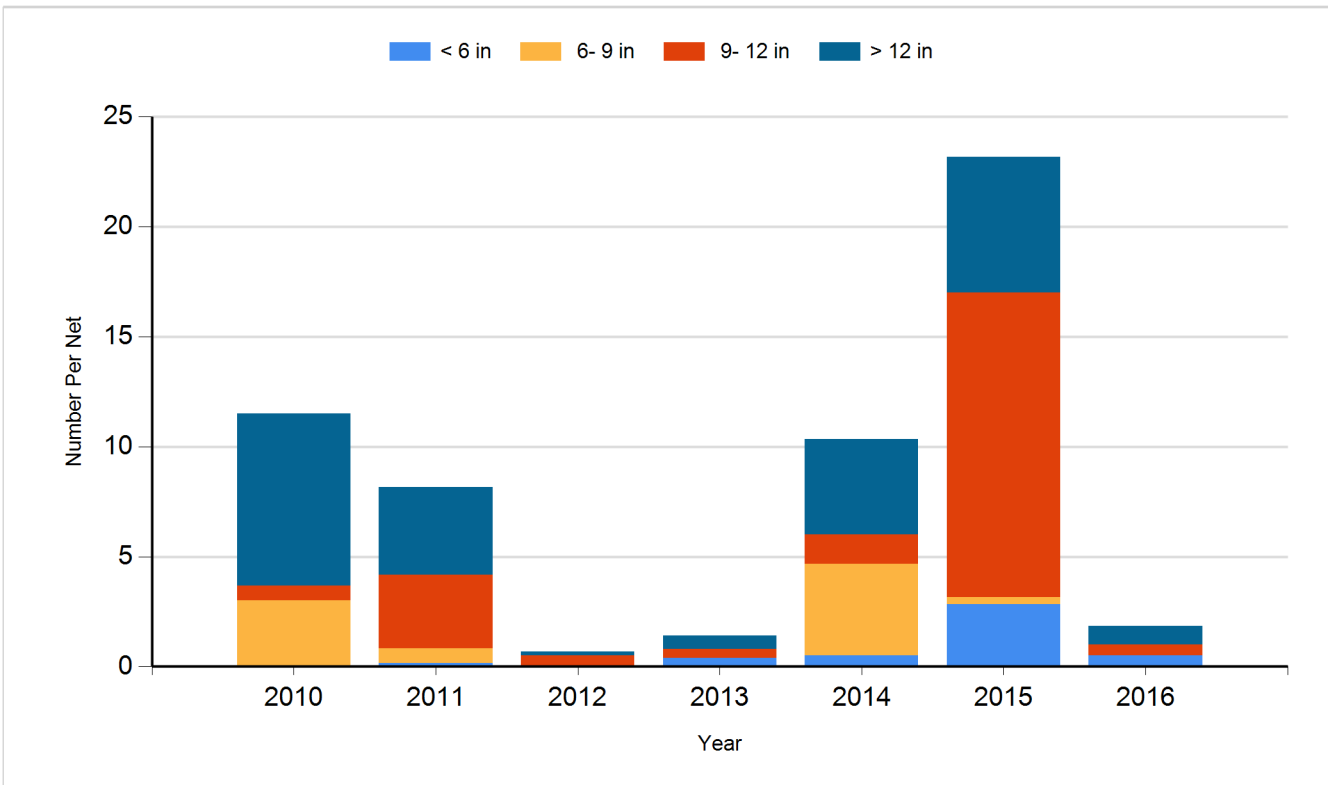
Species: Walleye
Gear: std exp gill net



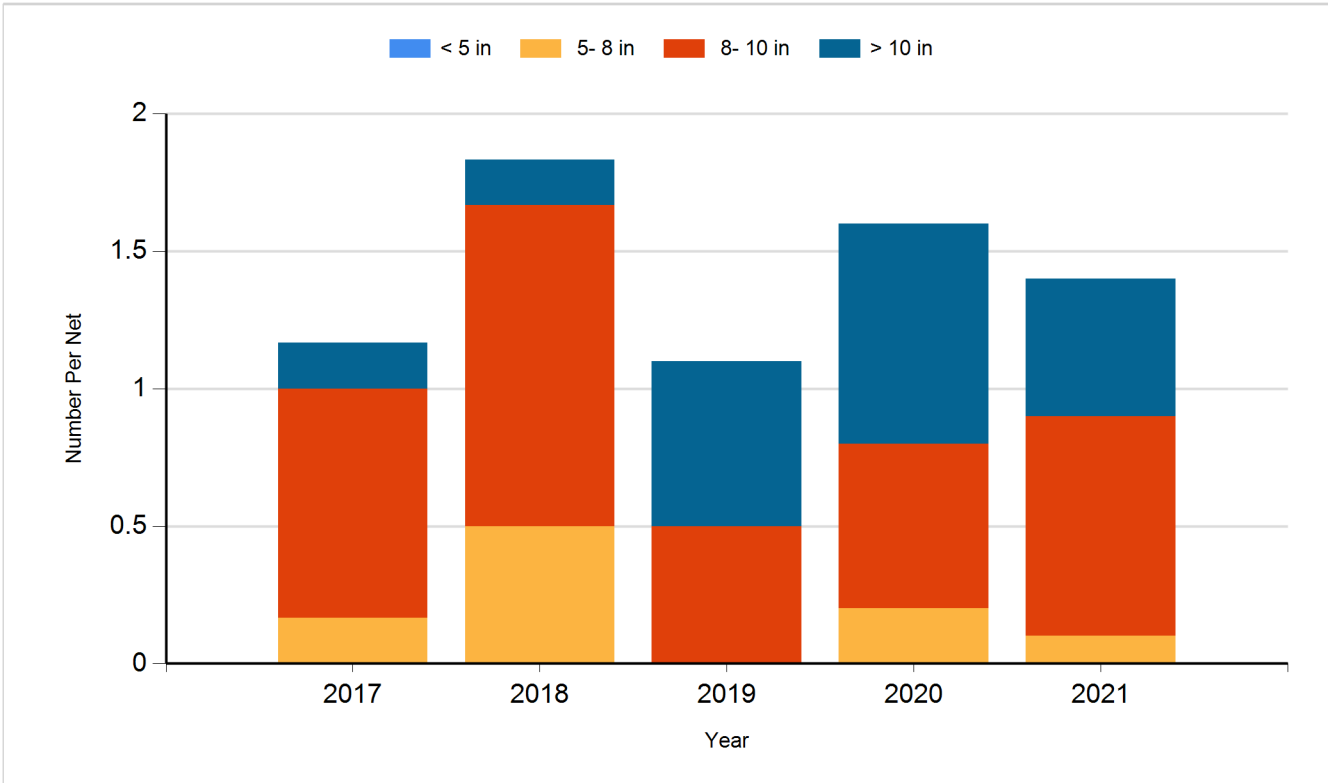
Species: White Bass
Gear: AFS std gill net



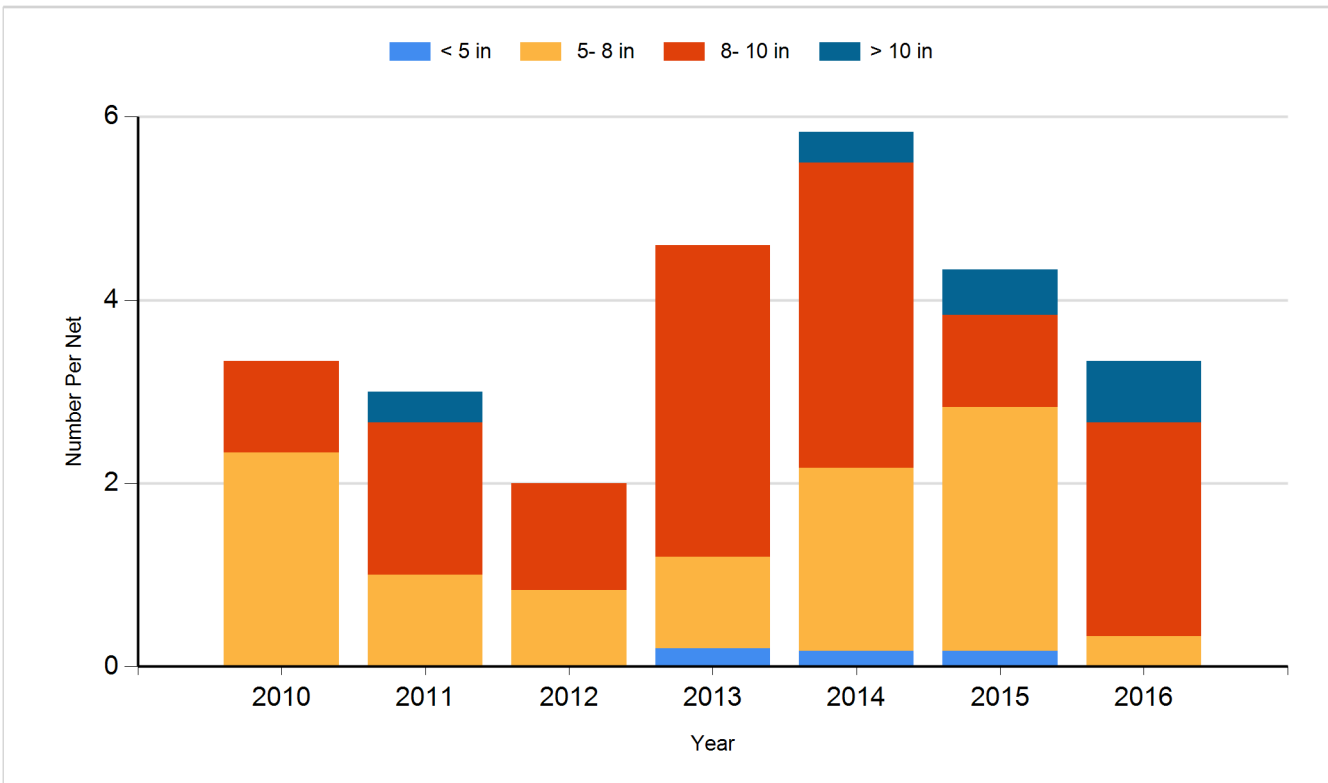
Species: White Bass
Gear: std exp gill net



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
2010	Gizzard Shad	Adult	90
2010	Walleye	Fingerling	385,829
2011	Gizzard Shad	Adult	225
2011	Walleye	Fingerling	278,922
2012	Rainbow Trout (Shasta)	Fingerling	28,832
2012	Smallmouth Bass	Fingerling	30,173
2012	Walleye	Fry	6,000,000
2013	Gizzard Shad	Adult	100
2013	Walleye	Fingerling	112,275
2014	Gizzard Shad	Adult	373
2014	Walleye	Fry	5,000,000
2015	Walleye	Fry	4,700,000
2016	Walleye	Fry	5,000,000
2017	Walleye	Fry	5,000,000
2018	Gizzard Shad	Adult	113
2018	Walleye	Fry	6,900,000
2019	Gizzard Shad	Adult	355
2020	Gizzard Shad	Adult	120
2021	Gizzard Shad	Adult	113
2021	Walleye	Fry	6,000,000