

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY
Oahe Upper, Campbell County
ULO-Lake-933-000
2021

Lake Information

Name: Oahe Upper
County: Campbell
Surface Area: 124,724 Acres

Surveys and Investigations

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

Gear	Date	Effort
AFS gill net (1/2 inch)	Aug 02, 2021	24 net-nights
AFS gill net (1/2 inch)	Aug 03, 2021	24 net-nights
AFS gill net (1/2 inch)	Aug 04, 2021	23 net-nights
AFS gill net (1/2 inch)	Aug 05, 2021	24 net-nights
AFS gill net (1/2 inch)	Aug 13, 2021	24 net-nights
AFS std gill net	Aug 02, 2021	24 net-nights
AFS std gill net	Aug 03, 2021	24 net-nights
AFS std gill net	Aug 04, 2021	22 net-nights
AFS std gill net	Aug 05, 2021	24 net-nights
AFS std gill net	Aug 13, 2021	24 net-nights

Common Fish Species Present

Channel Catfish

Walleye

Freshwater Drum

Smallmouth Bass

Yellow Perch

White Bass

Common Carp

River Carpsucker

Spottail Shiner

Shorthead Redhorse

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	4	0.0	0.0	0		0		90	2
	Black Crappie	2	0.0	0.0	100		50		101	1
	Channel Catfish	884	7.3	0.6	84	2	0		83	0
	Common Carp	38	0.3	0.1	97		53	12	88	4
	Freshwater Drum	126	1.1	0.1	94	3	51	6	93	1
	Goldeye	237	0.0	0.0						
	Lake Herring	3	0.0	0.0	100		100		62	3
	Northern Pike	13	0.1	0.0	85		38		96	4
	River Carpsucker	37	0.3	0.1	100		95		113	16
	Sauger	5	0.0	0.0	80		60		64	4
	Shorthead Redhorse	24	0.2	0.1	88		71	15	96	8
	Shortnose Gar	6	0.0	0.0						
	Smallmouth Bass	83	0.7	0.1	59	8	24	7	94	1
	Smallmouth Buffalo	5	0.0	0.0	100		20		79	5
	Walleye	316	1.8	0.2	19	4	8	3	78	1
	White Bass	42	0.4	0.1	93		24	10	93	1
	White Crappie	2	0.0	0.0	100		50		96	11
	Yellow Perch	83	0.7	0.1	64	8	4		88	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.

* Methods/Species that ignore stock length

Gear	Species	CPUE										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Avg
AFS gill net (1/2 inch)*	Bigmouth Buffalo						0.0	0.0	0.0	0.0	0.0	0.00
	Black Crappie						0.0	0.0	0.0	0.0	0.0	0.00
	Channel Catfish						0.1	0.0	0.0	0.0	0.1	0.04
	Common Carp						0.0	0.0	0.1	0.1	0.1	0.06
	Emerald Shiner						0.0	0.0	0.0	0.0	0.0	0.00
	Freshwater Drum						0.0	0.0	0.0	0.1	0.1	0.04
	Gizzard Shad						1.3	0.0	0.0	0.0	0.0	0.26
	Goldeye						0.0	0.0	0.0	0.0	0.0	0.00
	Northern Pike						0.0	0.0	0.0	0.0	0.0	0.00
	Sauger						0.0	0.0	0.0	0.0	0.0	0.00
	Shorthead Redhorse						0.0	0.0	0.0	0.0	0.0	0.00
	Shortnose Gar						0.0	0.0	0.0	0.0	0.0	0.00
	Smallmouth Bass						0.0	0.0	0.0	0.1	0.0	0.02
	Spotfin Shiner						0.0	0.0	0.1	0.0	0.0	0.02
	Spottail Shiner						0.1	0.0	0.7	0.2	0.3	0.26
	Walleye						0.5	0.2	0.6	1.0	0.5	0.56
	White Bass						0.3	0.0	0.1	0.1	0.3	0.16
White Crappie						0.1	0.0	0.0	0.0	0.0	0.02	
Yellow Perch						0.4	0.2	0.9	0.2	0.1	0.36	
AFS std gill net	Bigmouth Buffalo						0.0	0.0	0.0	0.1	0.0	0.02
	Black Bullhead						0.0	0.0	0.0	0.0	0.0	0.00
	Black Crappie						0.0	0.0	0.0	0.0	0.0	0.00
	Channel Catfish						9.9	5.4	5.8	6.8	7.3	7.04
	Common Carp						0.2	0.3	0.6	0.4	0.3	0.36
	Flathead Catfish						0.0	0.0	0.0	0.0	0.0	0.00
	Freshwater Drum						1.1	0.5	0.8	0.9	1.1	0.88
	Gizzard Shad						0.1	0.0	0.0	0.0	0.0	0.02
	Goldeye						0.0	0.0	0.0	0.0	0.0	0.00
	Lake Herring						0.0	0.1	0.0	0.0	0.0	0.01
	Northern Pike						0.2	0.1	0.2	0.1	0.1	0.14
	River Carpsucker						0.3	0.3	0.2	0.2	0.3	0.26
	Sauger						0.1	0.1	0.1	0.0	0.0	0.06
	Shorthead Redhorse						0.2	0.3	0.3	0.5	0.2	0.30
Shortnose Gar						0.0	0.0	0.0	0.0	0.0	0.00	

		CPUE										
Gear	Species	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Avg
AFS std gill net	Smallmouth Bass						0.2	0.7	1.0	1.0	0.7	0.72
	Smallmouth Buffalo						0.1	0.1	0.1	0.0	0.0	0.06
	Walleye						2.7	2.2	2.2	1.8	1.8	2.14
	White Bass						0.2	0.0	0.0	0.1	0.4	0.14
	White Crappie						0.1	0.0	0.0	0.0	0.0	0.02
	White Sucker						0.0	0.0	0.1	0.0	0.0	0.02
	Yellow Perch						0.7	0.6	1.0	1.2	0.7	0.84
boat shocker (night)	Walleye*						81.5			139.7		110.6 0
fall night EF- WAE*	Walleye								64.9			64.90
large seine*	Bigmouth Buffalo	0.3	9.0	4.3	0.4	0.0	0.0	1.8	0.2			1.99
	Black Bullhead	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.2			0.31
	Black Crappie	1.0	0.1	417.4	247.8	1.1	5.2	88.3	14.7			96.94
	Bluegill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.00
	Bluntnose Minnow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.00
	Brassy Minnow	0.0	0.4	0.2	0.1	0.0	0.0	0.0	0.7			0.18
	Channel Catfish	0.0	0.0	0.0	0.3	0.0	0.0	0.0	2.4			0.35
	Common Carp	0.1	0.0	0.0	0.0	0.8	0.5	0.3	2.5			0.53
	Drum Family	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0			0.01
	Emerald Shiner	19.6	81.3	103.2	109.1	110.5	160.9	156.0	62.5			100.3 7
	Fathead Minnow	0.2	0.0	1.5	1.1	0.3	0.0	29.3	0.4			4.09
	Freshwater Drum	1.9	10.3	0.0	0.9	2.1	1.2	0.0	14.3			3.86
	Gizzard Shad	3.8	0.4	0.0	0.0	27.0	430.3	0.0	0.0			57.68
	Goldeye	0.0	0.8	0.0	0.8	0.0	0.0	0.8	2.0			0.54
	Iowa Darter	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0			0.02
	Johnny Darter	0.5	0.3	0.1	0.0	0.4	0.6	0.0	0.8			0.33
	Lake Herring	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.1			0.15
	Largemouth Bass	0.0	0.0	0.2	0.7	0.3	0.0	0.1	0.6			0.23
	Northern Pike	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0			0.02
	River Carpsucker	0.0	3.3	0.2	0.1	0.1	0.0	0.0	2.8			0.81
	Shorthead Redhorse	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3			0.04
	Shortnose Gar	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0			0.01
	Smallmouth Bass	1.5	31.6	19.0	7.9	2.2	4.8	12.0	11.5			11.30
	Smallmouth Buffalo	0.6	0.0	7.0	11.0	0.0	0.0	0.4	0.0			2.38
	Spotfin Shiner	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.01
	Spottail Shiner	1.8	0.5	2.3	3.6	1.4	6.3	13.3	6.4			4.45
	Walleye	0.5	1.3	5.6	0.5	0.2	0.1	0.6	0.8			1.20

		CPUE										
Gear	Species	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Avg
large seine*	White Bass	22.5	101.5	346.5	18.3	1.8	10.3	12.6	2.8			64.54
	White Crappie	10.7	12.7	31.7	169.8	3.0	2.0	50.6	3.0			35.41
	White Sucker	0.2	4.7	1.3	0.2	0.0	0.0	0.0	4.6			1.38
	Yellow Perch	12.8	53.5	403.0	162.3	40.0	11.0	81.1	32.1			99.49
std exp gill net	Bigmouth Buffalo	0.0	0.1	0.2	0.0	0.0						0.06
	Black Bullhead	0.0	0.0	0.0	0.0	0.0						0.00
	Black Crappie	0.3	0.1	0.1	0.0	0.2						0.14
	Brown Bullhead	0.0	0.0	0.0	0.0	0.0						0.00
	Channel Catfish	22.0	15.1	12.7	13.5	20.0						16.66
	Chinook Salmon	0.0	0.0	0.0	0.0	0.0						0.00
	Common Carp	1.3	1.2	1.3	0.9	2.0						1.34
	Freshwater Drum	0.9	1.2	1.3	0.8	1.3						1.10
	Goldeye	0.0	0.0	0.0	0.0	0.0						0.00
	Lake Herring	0.0	0.0	0.0	0.0	0.1						0.02
	Northern Pike	1.6	1.1	0.3	0.5	0.9						0.88
	Rainbow Smelt	0.0	0.0	0.0	0.0	0.0						0.00
	River Carpsucker	1.0	0.2	0.4	0.6	0.3						0.50
	Sauger	0.5	0.2	0.6	0.1	0.1						0.30
	Shorthead Redhorse	1.6	1.4	2.2	0.7	0.3						1.24
	Shortnose Gar	0.0	0.0	0.0	0.0	0.0						0.00
	Smallmouth Bass	0.6	0.4	0.3	0.6	1.1						0.60
	Smallmouth Buffalo	0.7	0.0	0.1	0.2	0.3						0.26
	Walleye	19.0	13.7	13.6	9.3	7.4						12.60
	White Bass	0.9	1.1	0.3	0.8	0.3						0.68
White Crappie	0.6	0.9	0.4	0.1	0.2						0.44	
White Sucker	0.0	0.0	0.1	0.1	0.2						0.08	
Yellow Perch	2.7	1.0	2.9	2.9	1.8						2.26	
suspended gill net*	Channel Catfish							1.0				1.00
	Lake Herring							175.0				175.00
	Rainbow Smelt							9.5				9.50

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 gill net	Channel Catfish	PSD						53	65	71	71	84
		PSD-P						4	3	4	1	0
		Wr						81	84	85	86	83
	Common Carp	PSD						100	100	100	100	97
		PSD-P						54	82	80	85	53
		Wr						91	81	79	86	88
	River Carpsucker	PSD						100	100	100	100	100
		PSD-P						93	100	90	100	95
		Wr						103	103	95	98	113
	Shorthead Redhorse	PSD						91	93	100	100	88
		PSD-P						36	48	82	84	71
		Wr						94	93	95	93	96
	Smallmouth Bass	PSD						69	94	85	60	59
		PSD-P						23	33	46	28	24
		Wr						94	97	96	103	94
	Walleye	PSD						20	32	30	26	19
		PSD-P						0	8	7	4	8
		Wr						81	82	82	80	78
	White Bass	PSD						77	100	75	46	93
		PSD-P						46	100	50	31	24
		Wr						94	84	99	96	93
Yellow Perch	PSD						64	74	49	40	64	
	PSD-P						17	26	8	4	4	
	Wr						85	92	102	94	88	
boat shocker (night)	Walleye	PSD						0			22	
		PSD-P						0			0	
std exp gill net	Channel Catfish	PSD	53	51	39	60	66					
		PSD-P	8	8	3	10	3					
		Wr	82	83	85	83	81					
	Common Carp	PSD	100	95	100	100	100					
		PSD-P	63	71	67	75	81					
		Wr	95	88	88	87	87					

Gear	Species	Index	Year										
			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
std exp gill net	River Carpsucker	PSD	100	100	100	90	100						
		PSD-P	83	100	100	90	100						
		Wr	104	108	103	98	98						
	Shorthead Redhorse	PSD	93	100	100	92	83						
		PSD-P	57	65	95	83	83						
		Wr	96	89	104	94	92						
	Smallmouth Bass	PSD	82	88	100	30	70						
		PSD-P	27	63	67	30	35						
		Wr	93	101	104	100	89						
	Walleye	PSD	8	5	28	24	16						
		PSD-P	3	2	2	0	2						
		Wr	82	83	85	83	80						
	White Bass	PSD	100	100	100	100	100						
		PSD-P	81	100	100	100	80						
		Wr	92	89	92	98	92						
	Yellow Perch	PSD	75	72	37	29	61						
		PSD-P	2	22	8	2	15						
		Wr	86	84	99	93	90						
suspended gill net	Channel Catfish	PSD									100		
		PSD-P									50		

Length at Capture

Mean length at capture by age across years sampled, sample size (N).

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2021	315	214 (19)	241 (126)	301 (109)	356 (27)	424 (13)	464 (6)	480 (5)	571 (2)	656 (2)	649 (9)
2020	254	207 (87)	281 (82)	318 (33)	386 (25)	413 (11)	441 (12)	604 (1)	651 (1)		746 (2)
2019	268	216 (68)	271 (58)	329 (57)	371 (35)	390 (29)	472 (3)	476 (2)	432 (1)		602 (17)
2018	231	207 (24)	279 (61)	337 (42)	381 (76)	422 (7)	512 (3)	552 (5)	643 (1)	569 (8)	566 (3)
2017	186	201 (31)	263 (28)	335 (101)	403 (18)	483 (1)	446 (4)	445 (1)	455 (4)		
2016	171	182 (14)	273 (126)	356 (11)	410 (5)	408 (6)	466 (6)	474 (3)			
2015	271	214 (112)	322 (47)	362 (62)	385 (20)	392 (7)	398 (24)				
2014	290	237 (56)	313 (50)	350 (35)	370 (21)	376 (125)	395 (1)	562 (3)	553 (1)		
2013	269	207 (19)	259 (16)	294 (18)	329 (205)	407 (9)	580 (1)				662 (1)
2012	377	210 (32)	272 (43)	315 (285)	383 (8)	551 (1)	523 (4)	504 (2)	551 (1)		643 (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+
2012	48	136 (1)	183 (2)	208 (23)	222 (22)	233 (1)					

Fish Condition

Mean relative weight (Wr) by sample size (N), length category stock to quality (S-Q), quality to preferred (Q-P), preferred to memorable (P-M), and memorable (M) for species collected across survey years with standard error (SE).

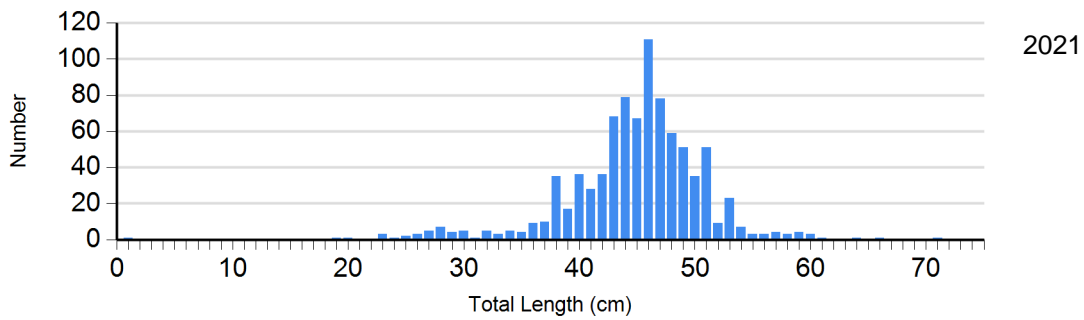
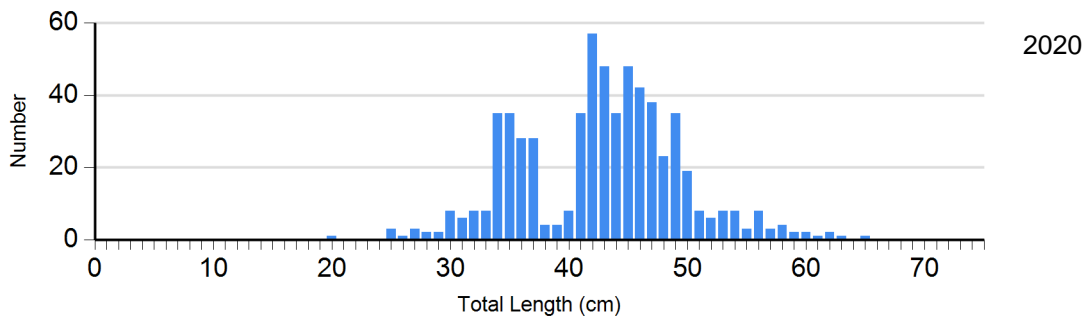
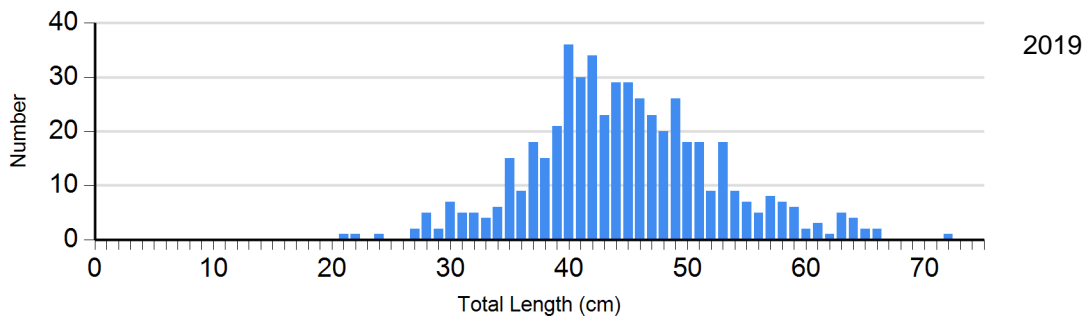
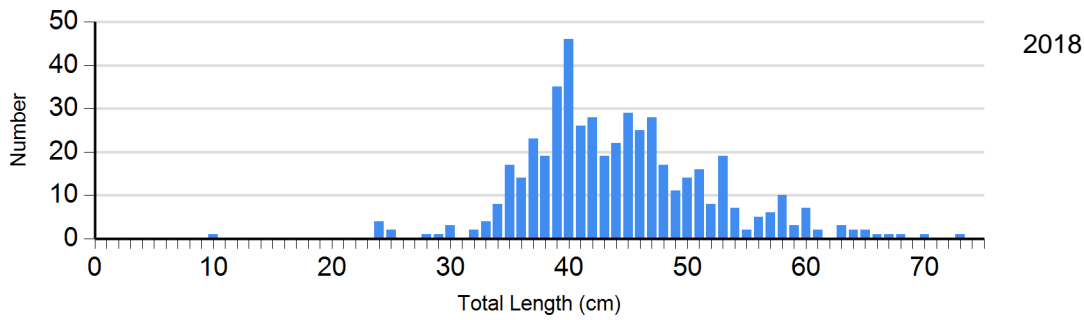
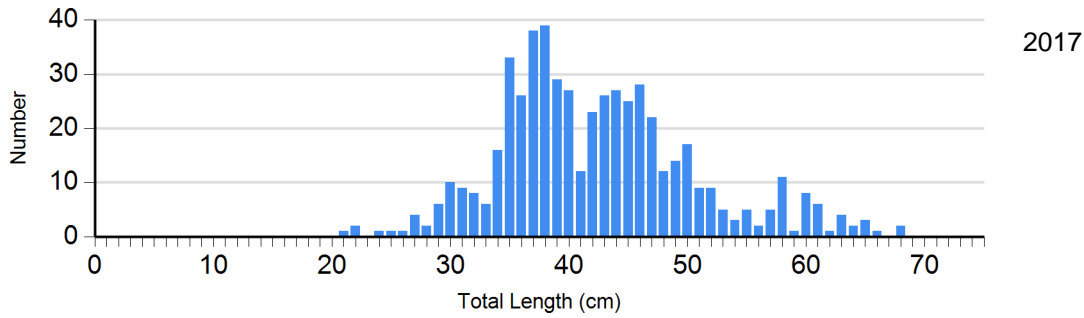
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Channel Catfish Gill Net	2017	249	82 (0.8)	264	79 (0.7)	19	85 (2.2)	0	
	2018	173	86 (1.2)	302	84 (0.6)	13	88 (2.6)	1	91
	2019	148	87 (0.6)	347	84 (0.4)	17	83 (3.4)	1	94
	2020	176	87 (0.5)	432	85 (0.5)	5	85 (6.3)	0	
	2021	141	87 (1.1)	722	82 (0.3)	3	87 (10.7)	1	111
Common Carp Gill Net	2017	0		6	85 (2.6)	6	97 (3.0)	1	87
	2018	0		5	87 (3.6)	23	79 (2.5)	0	
	2019	0		10	76 (7.4)	38	79 (1.6)	2	91 (2.6)
	2020	0		6	88 (1.9)	32	85 (2.7)	1	100
	2021	1	86	17	91 (3.1)	19	88 (4.6)	1	50
Walleye Gill Net	2017	118	81 (0.5)	30	79 (1.0)	0		0	
	2018	135	82 (1.1)	47	81 (0.7)	10	86 (2.3)	6	87 (1.9)
	2019	136	82 (0.4)	45	82 (0.9)	3	79 (6.1)	10	81 (3.2)
	2020	122	81 (0.6)	36	77 (0.8)	2	86 (4.4)	4	92 (4.4)
	2021	177	78 (0.5)	23	75 (0.9)	10	81 (2.0)	8	87 (3.0)
White Bass Gill Net	2017	3	93 (0.7)	4	94 (1.6)	4	97 (4.1)	2	92 (4.6)
	2018	0		0		0		1	84
	2019	1	99	1	116	0		2	91 (5.2)
	2020	7	97 (1.7)	2	92 (3.4)	2	102 (8.1)	2	87 (0.7)
	2021	3	101 (4.1)	29	94 (1.0)	8	91 (1.5)	2	77 (6.8)
Yellow Perch Gill Net	2017	13	90 (2.2)	17	84 (2.4)	6	77 (3.0)	0	
	2018	13	94 (2.1)	24	94 (1.9)	13	86 (2.3)	0	

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	2019	43	109 (10.5)	34	96 (1.4)	7	87 (1.4)	0	
	2020	62	97 (1.9)	38	90 (1.1)	4	84 (2.4)	0	
	2021	30	97 (7.7)	50	84 (1.8)	3	78 (4.3)	0	

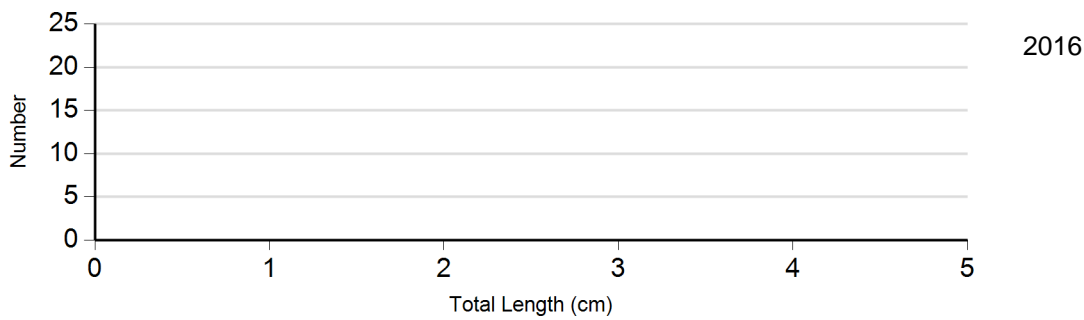
Length Frequency Distribution

Length frequency histogram of species sampled by year.

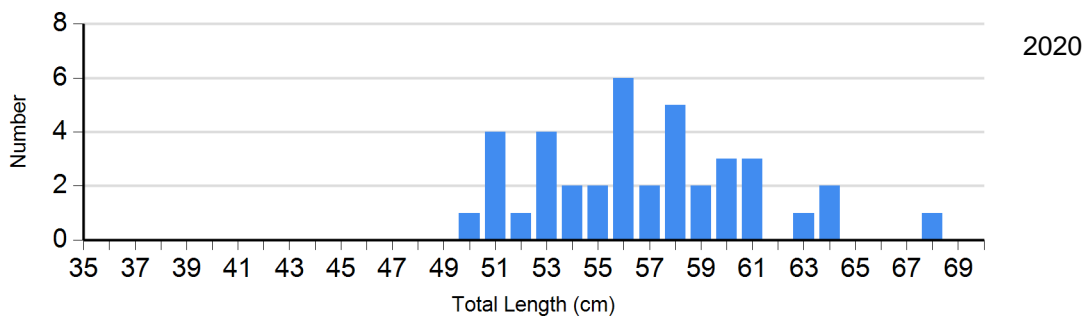
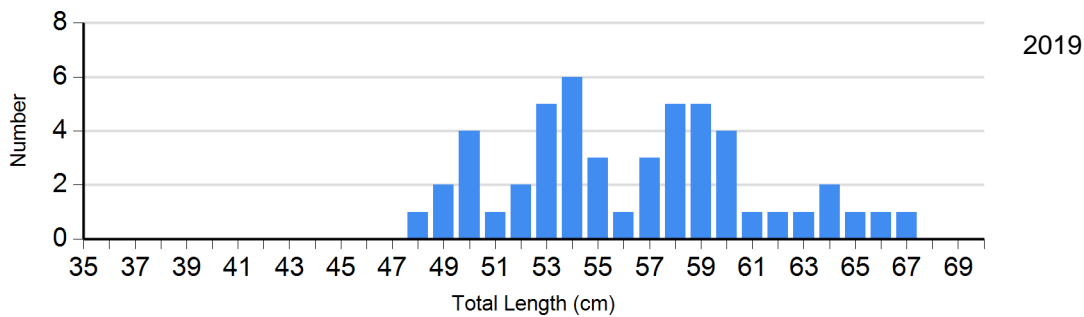
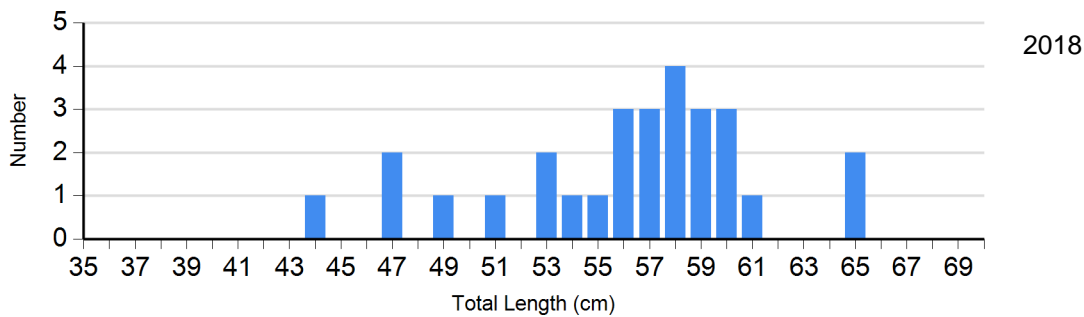
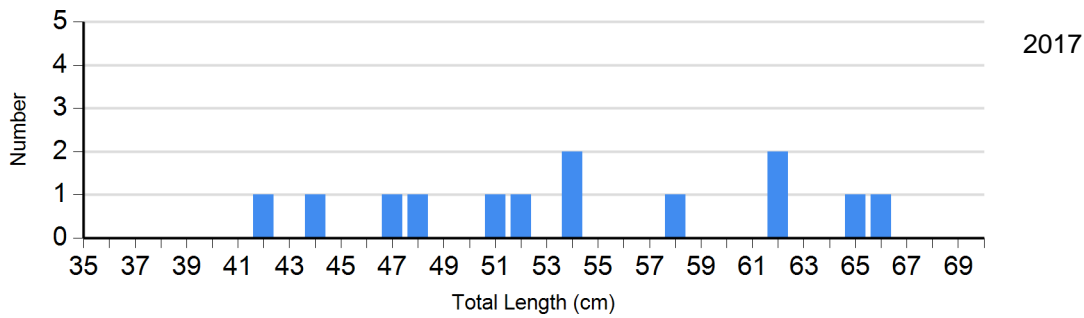
Species: Channel Catfish
Gear: AFS std gill net

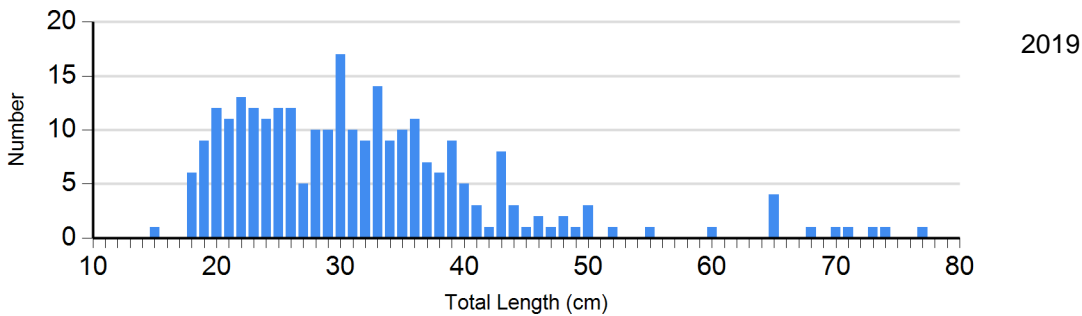
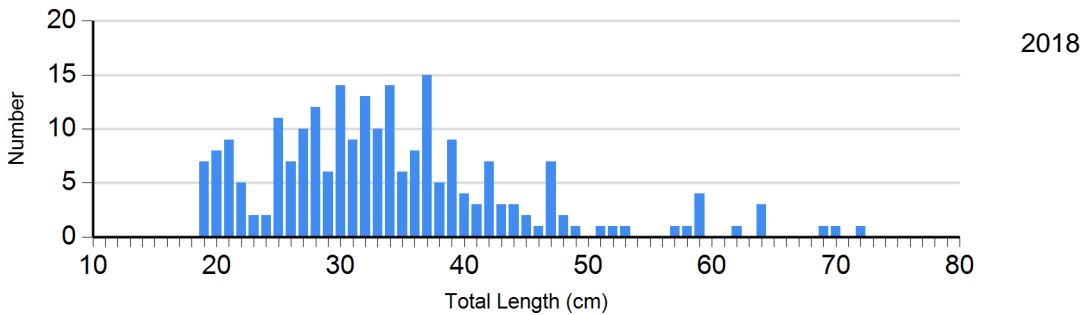
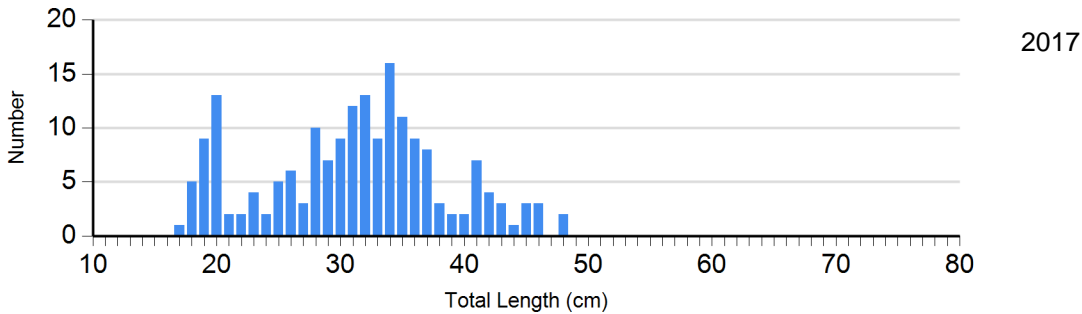
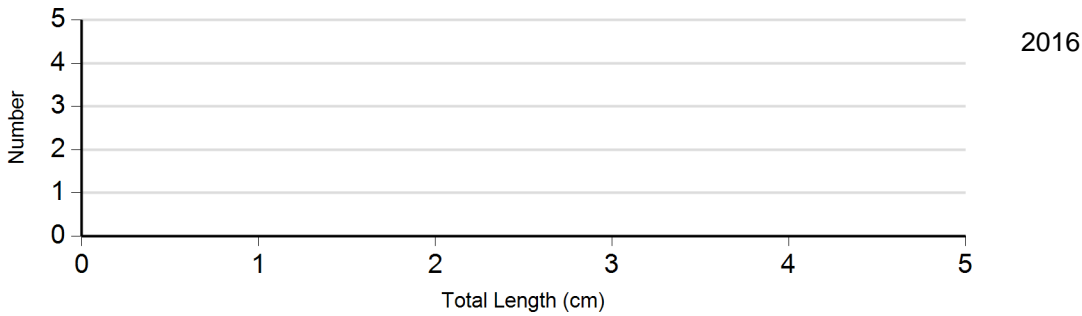
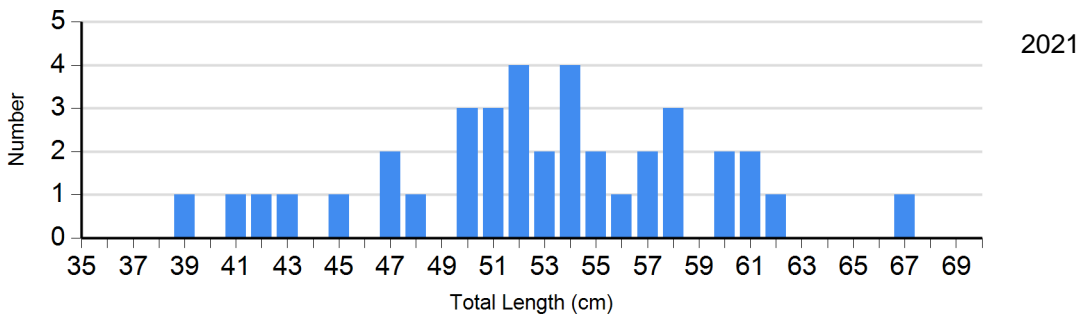


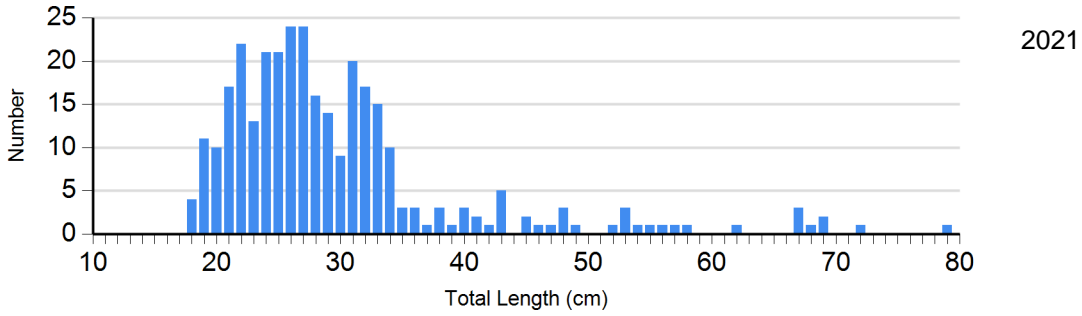
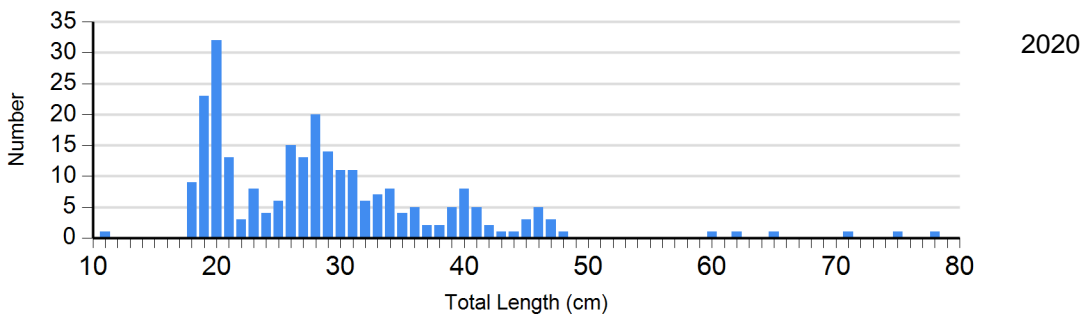
Species: Channel Catfish
Gear: std exp gill net



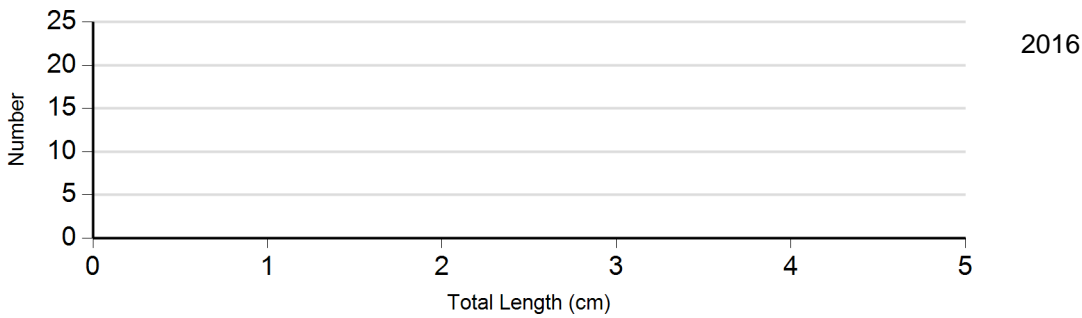
Species: Common Carp
Gear: AFS std gill net



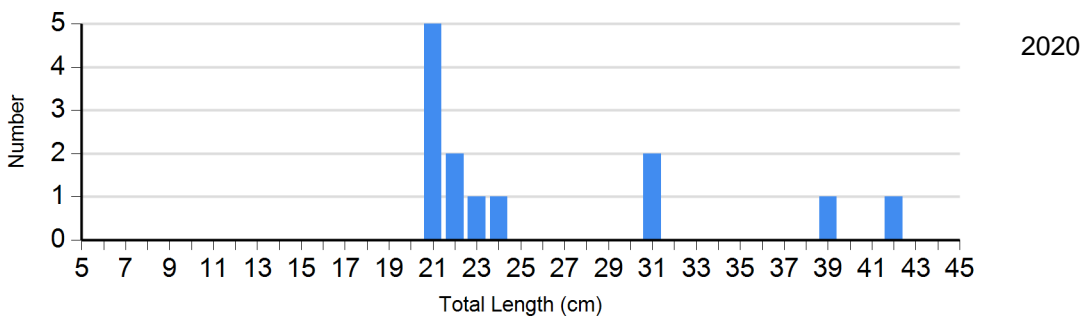
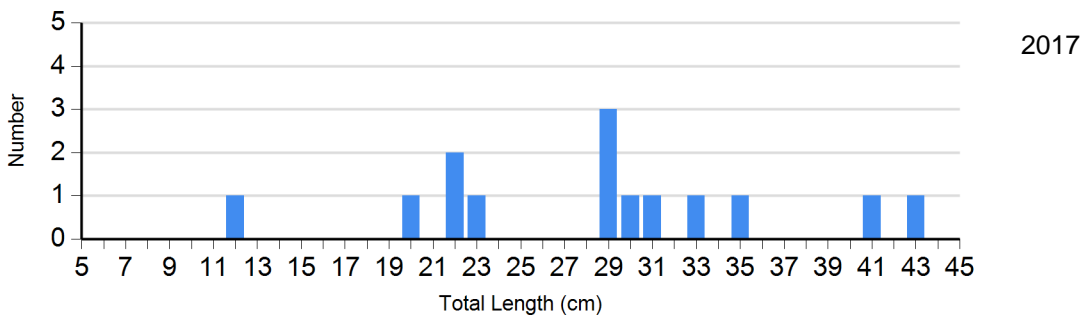


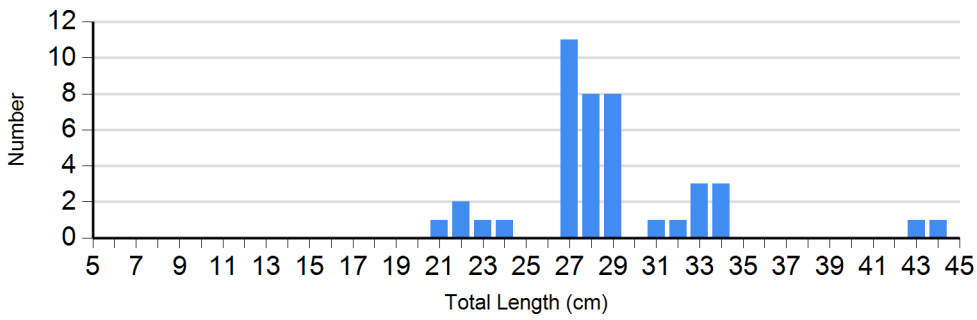


Species: Walleye
Gear: std exp gill net



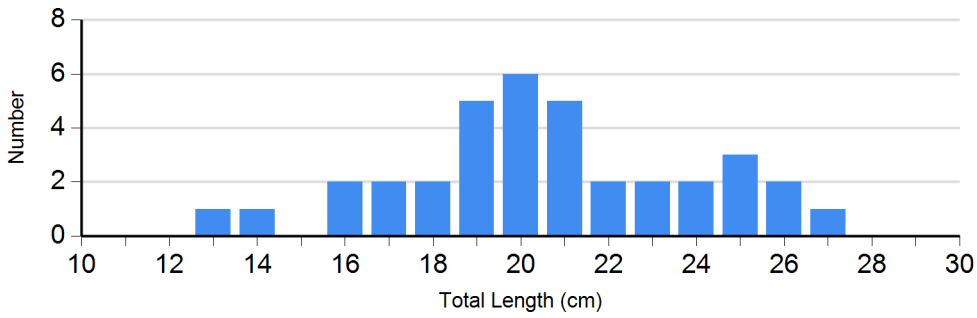
Species: White Bass
Gear: AFS std gill net



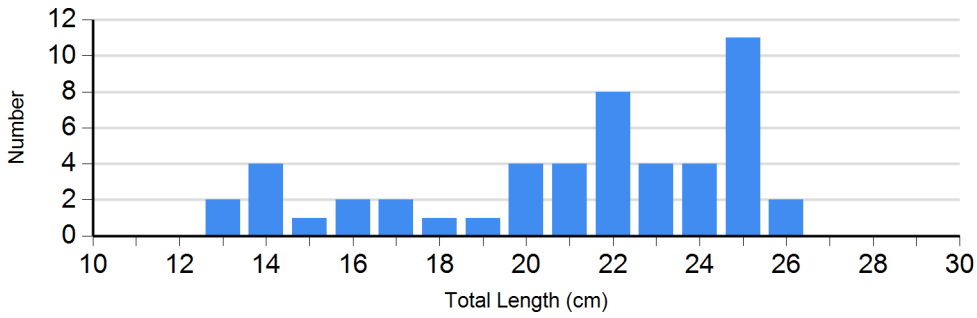


2021

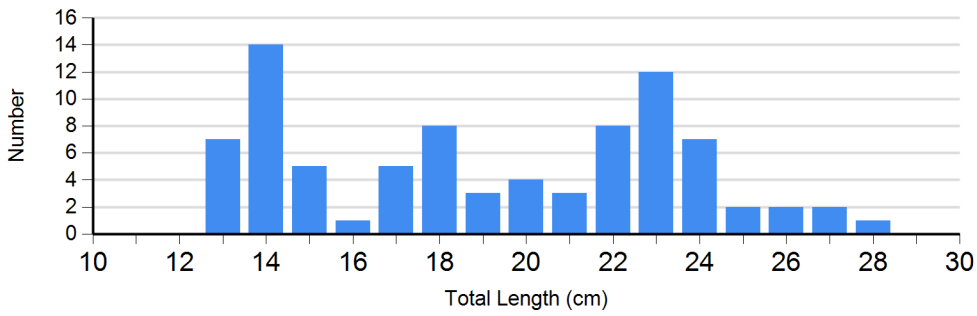
Species: Yellow Perch
Gear: AFS std gill net



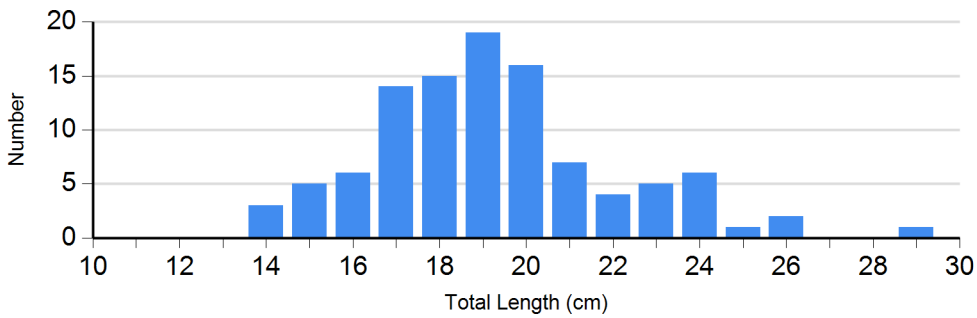
2017



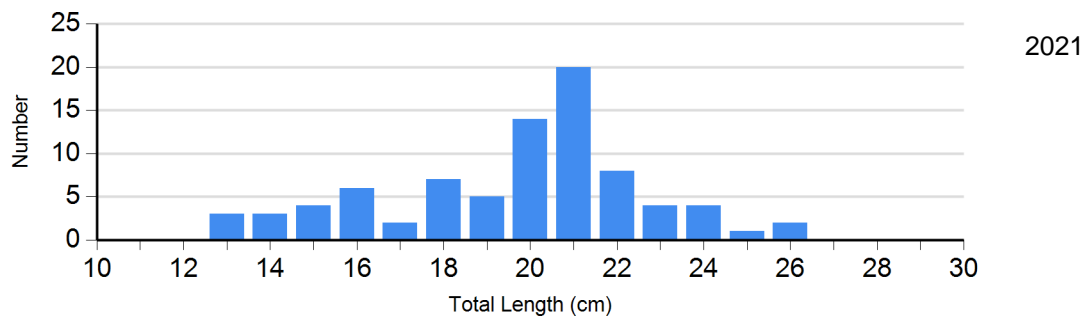
2018



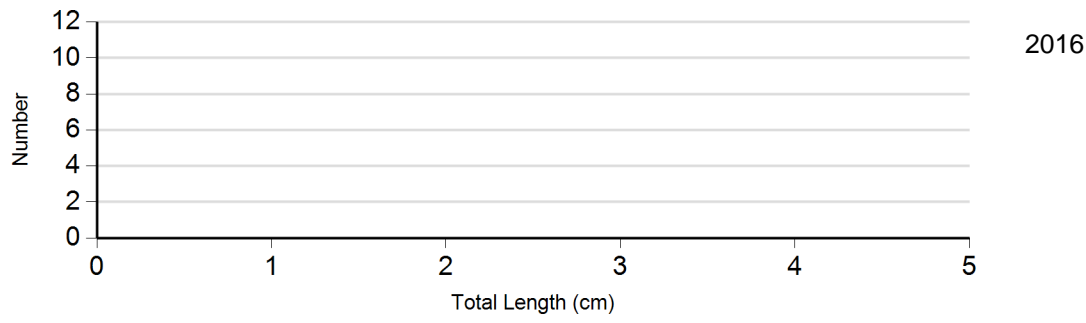
2019



2020



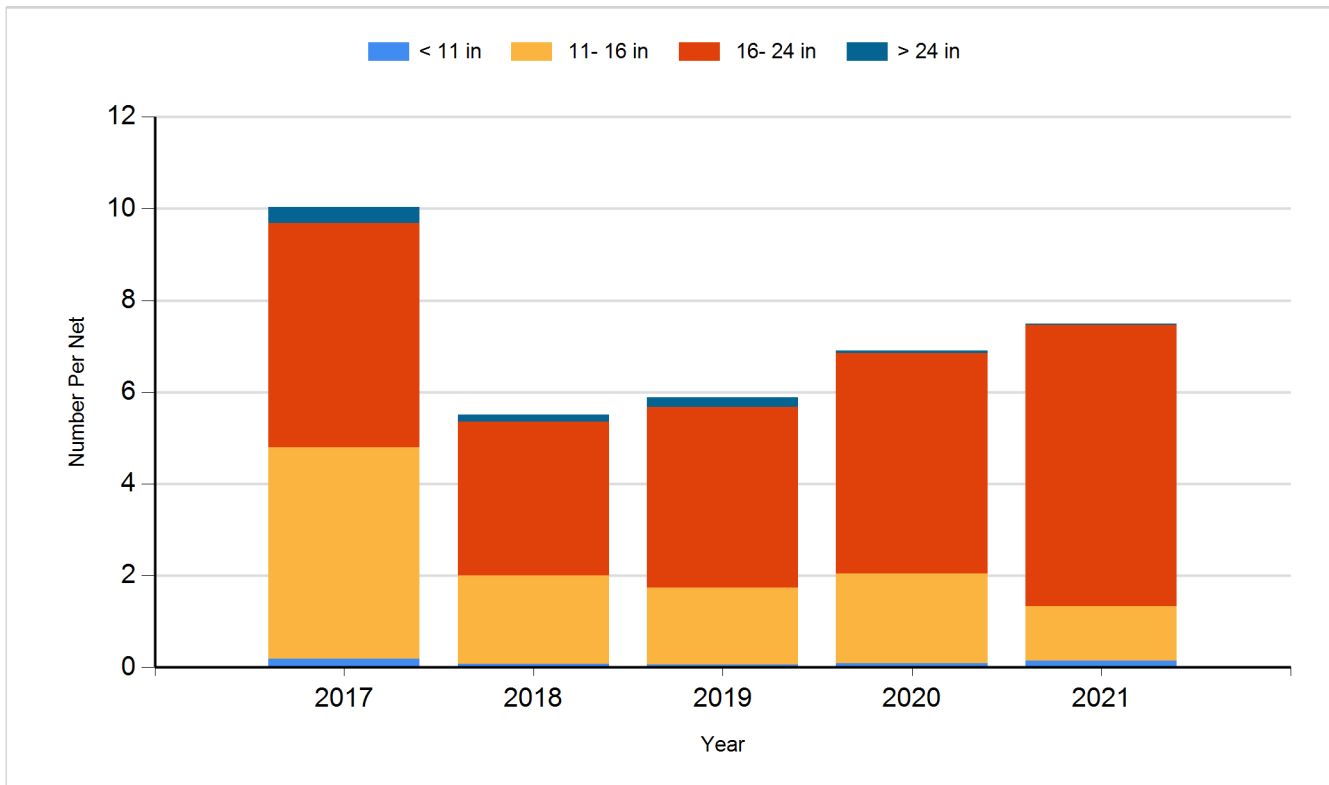
Species: Yellow Perch
 Gear: std exp gill net



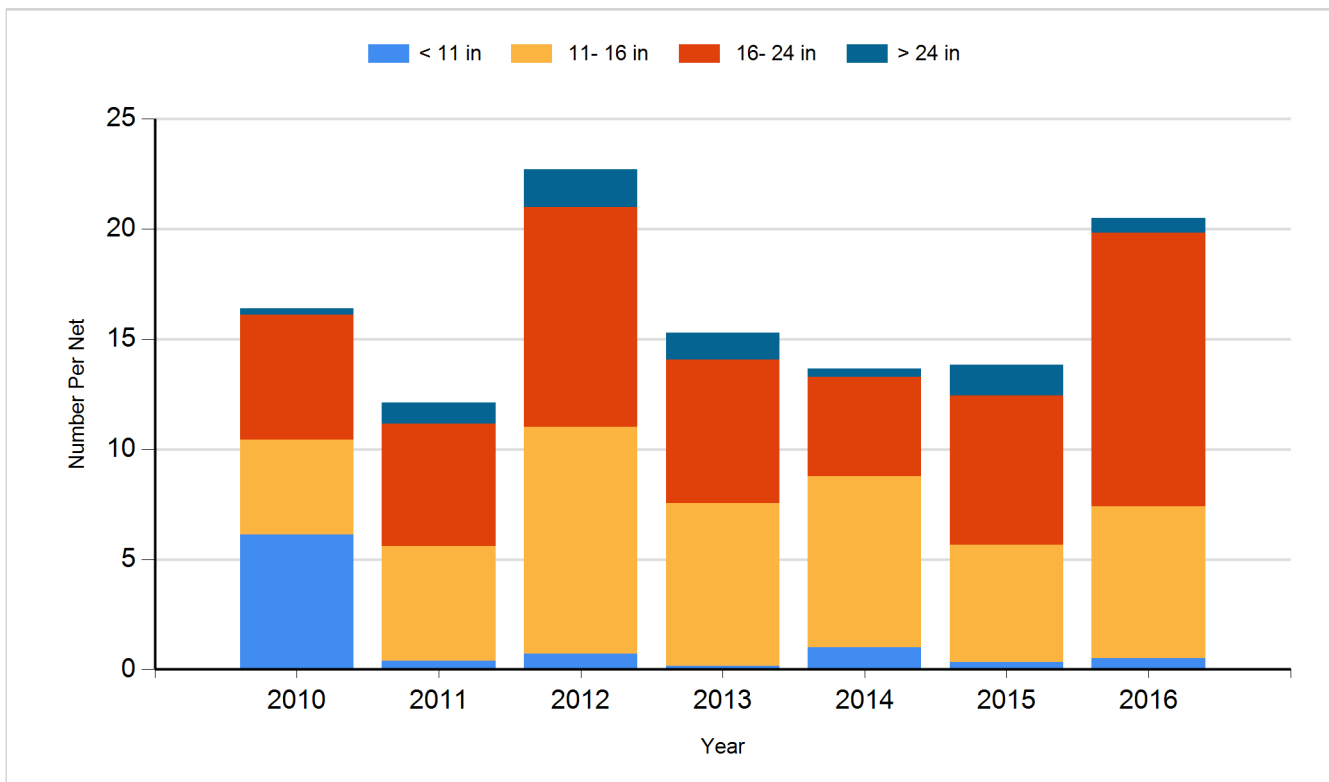
Historic Fish Sizes and Relative Abundance

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

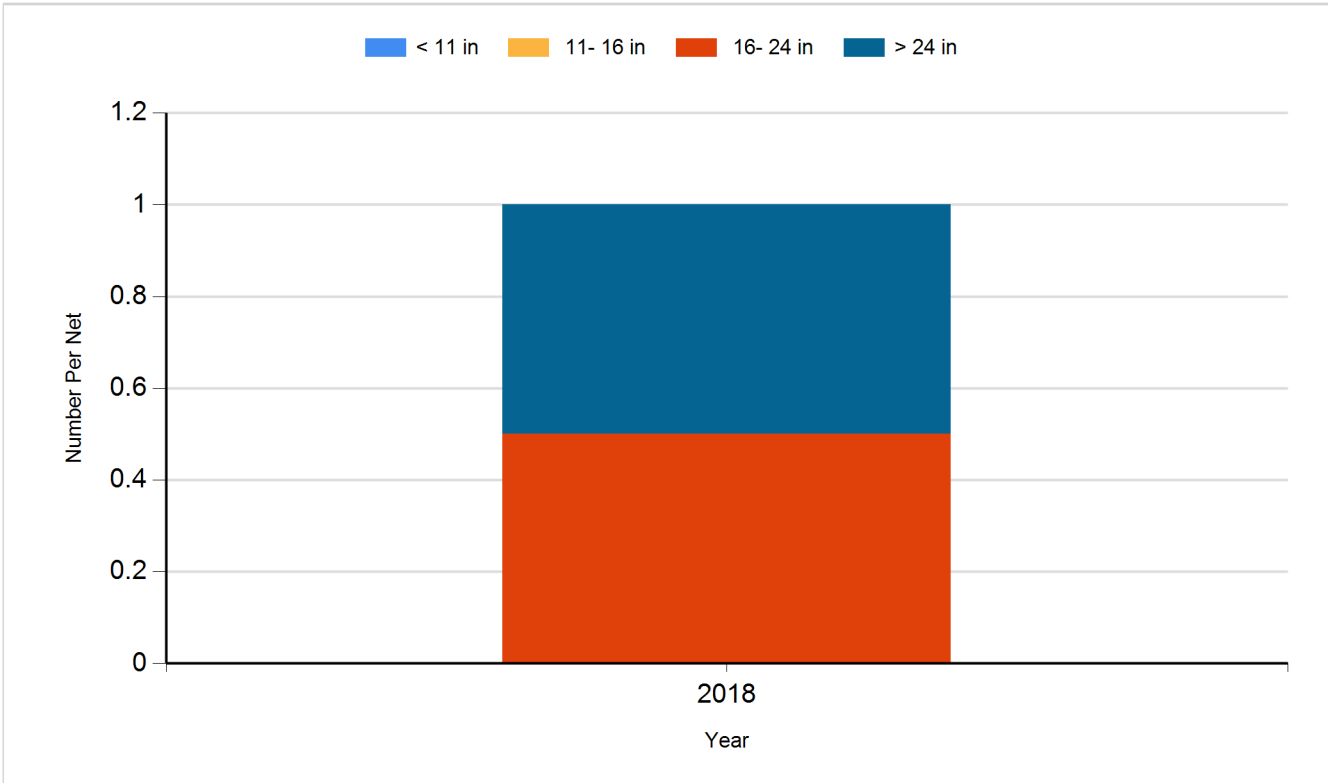
Species: Channel Catfish
Gear: AFS std gill net



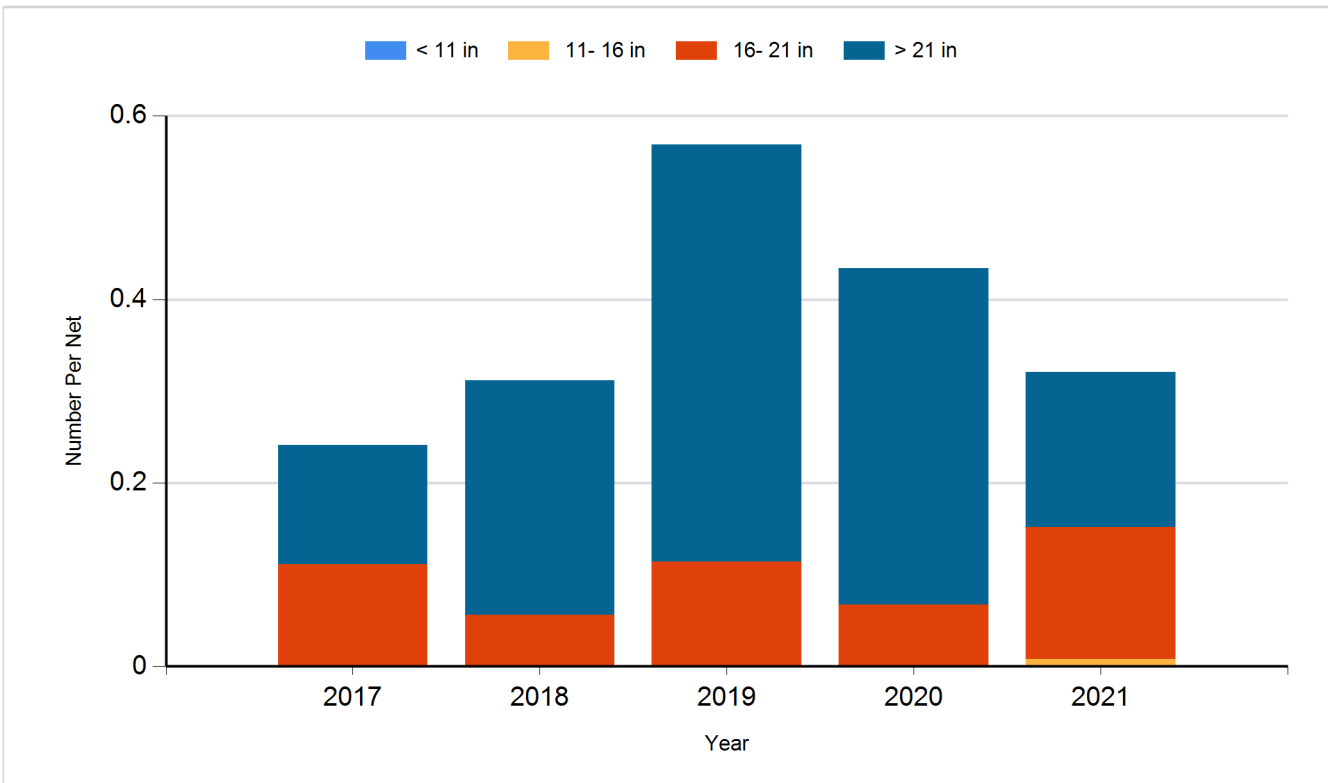
Species: Channel Catfish
Gear: std exp gill net



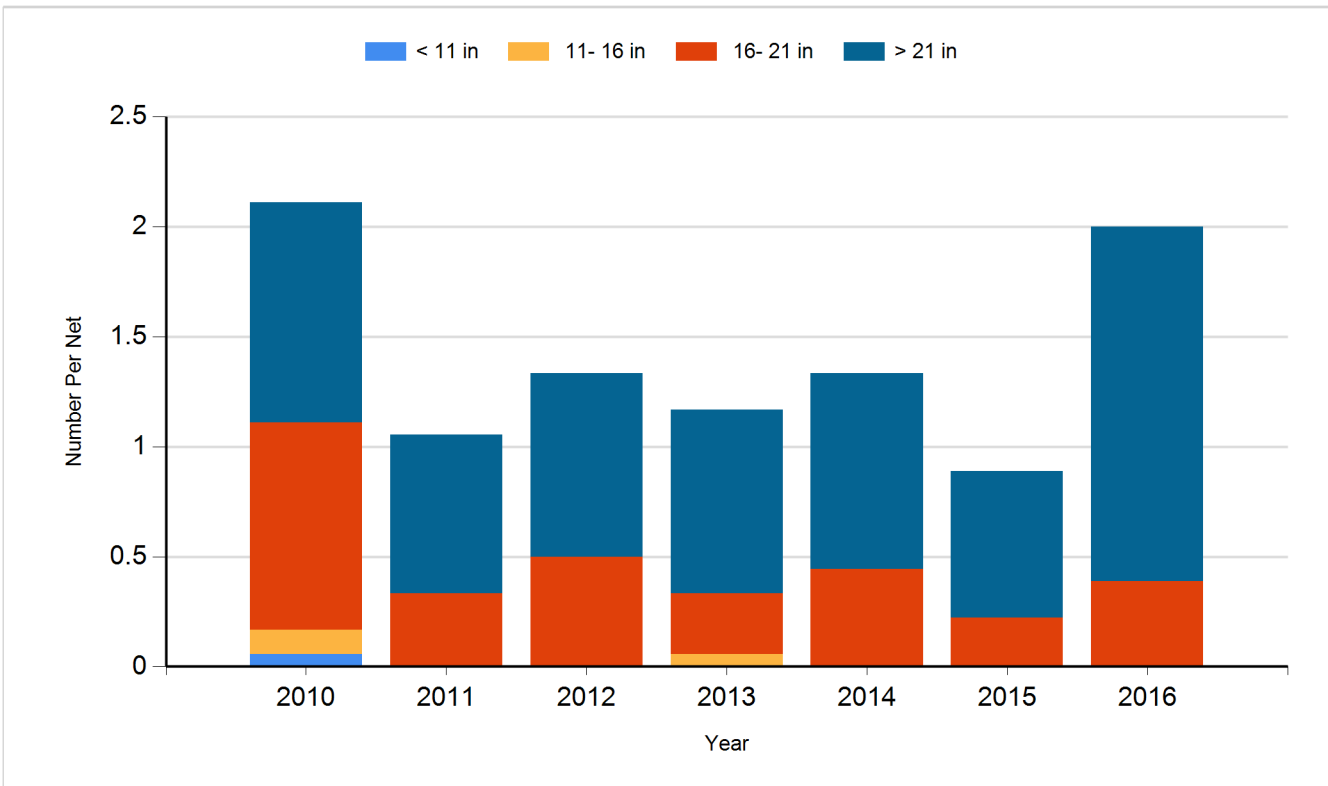
Species: Channel Catfish
Gear: suspended gill net



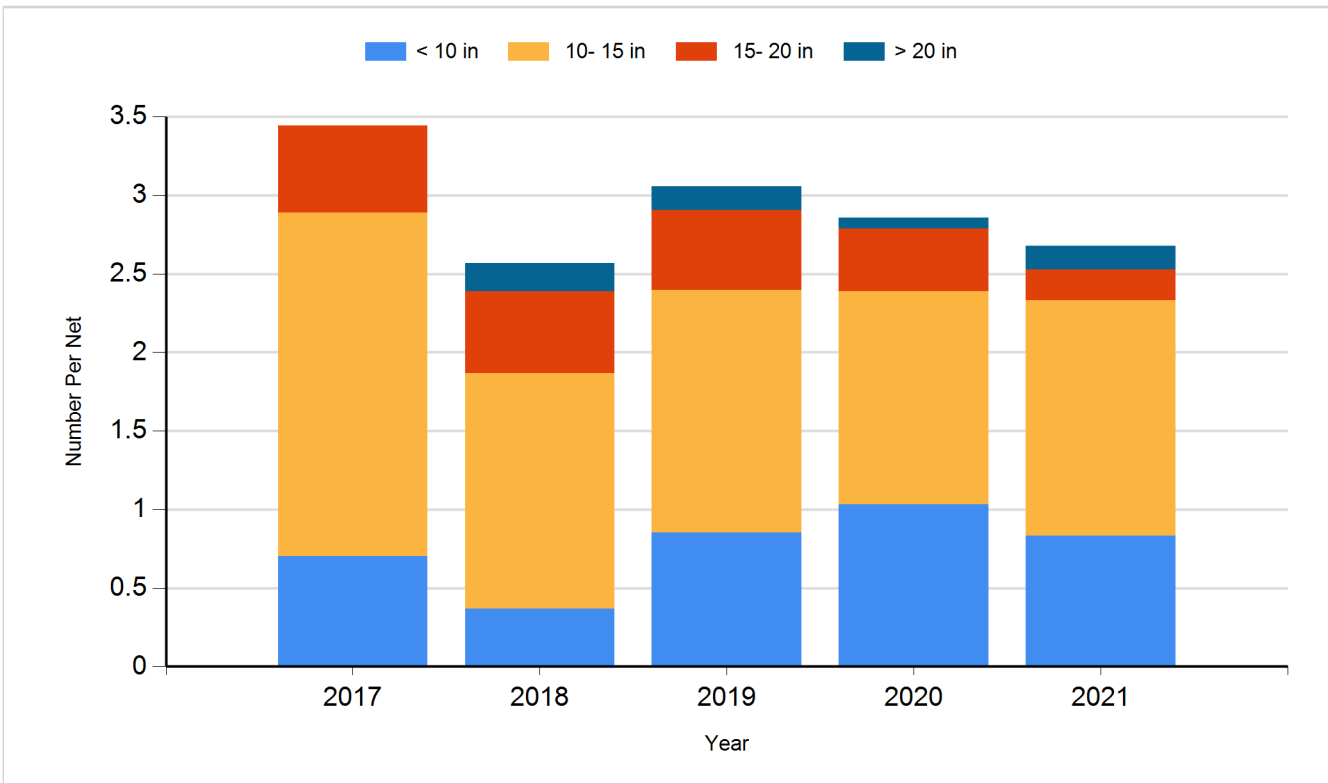
Species: Common Carp
Gear: AFS std gill net



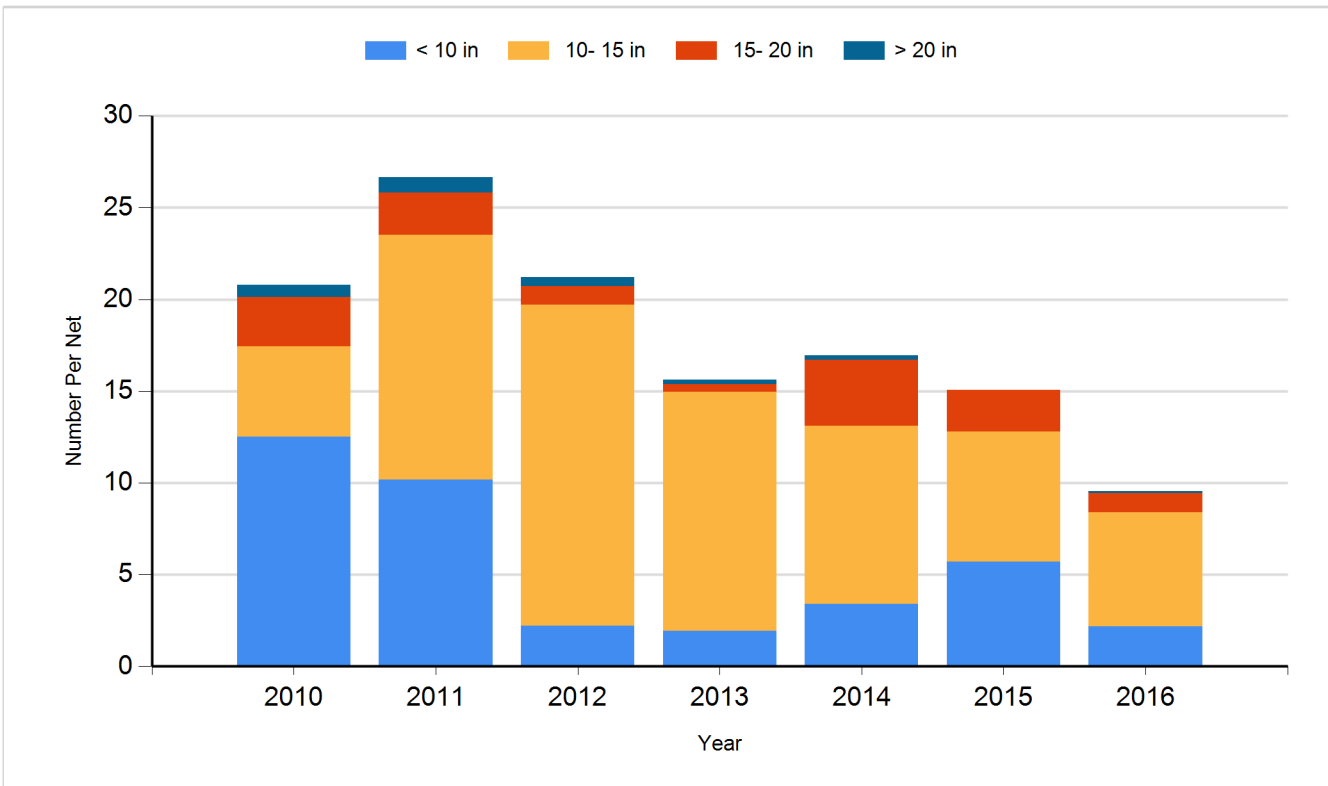
Species: Common Carp
Gear: std exp gill net



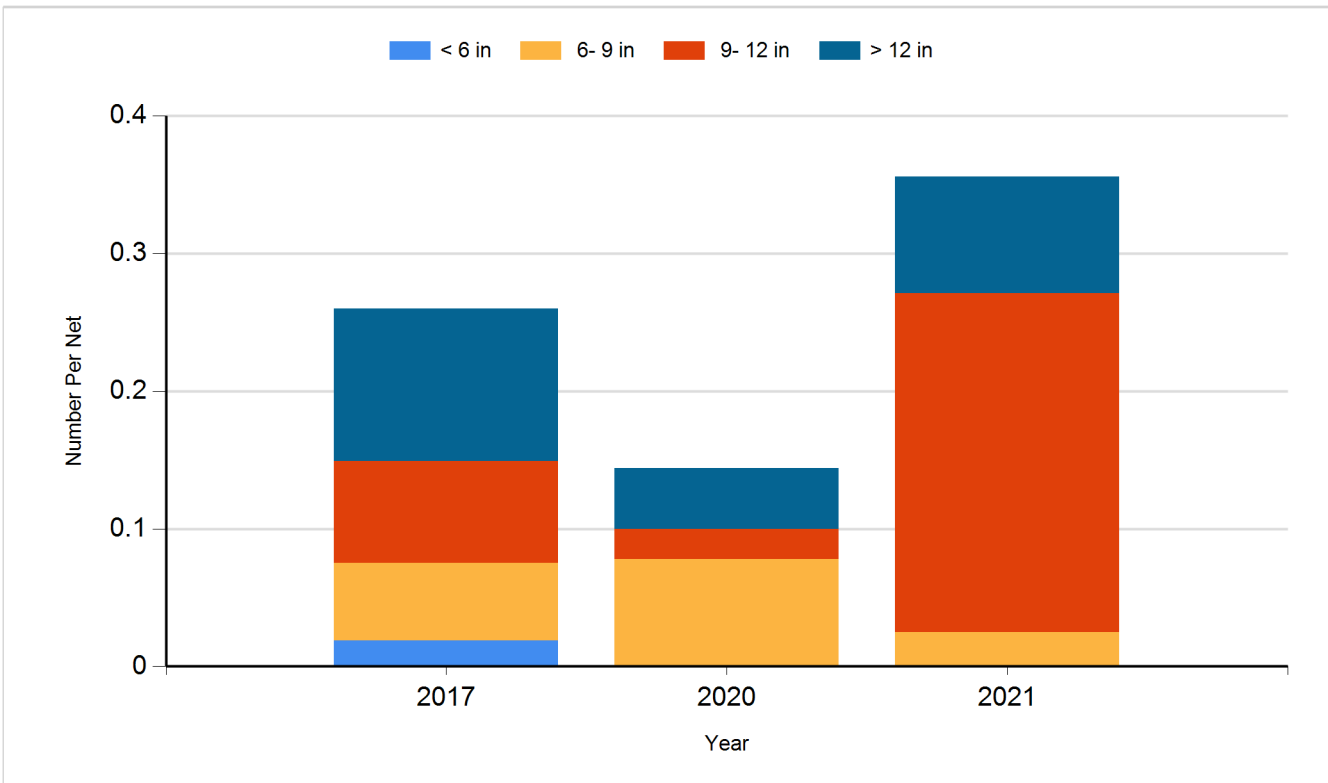
Species: Walleye
Gear: AFS std gill net



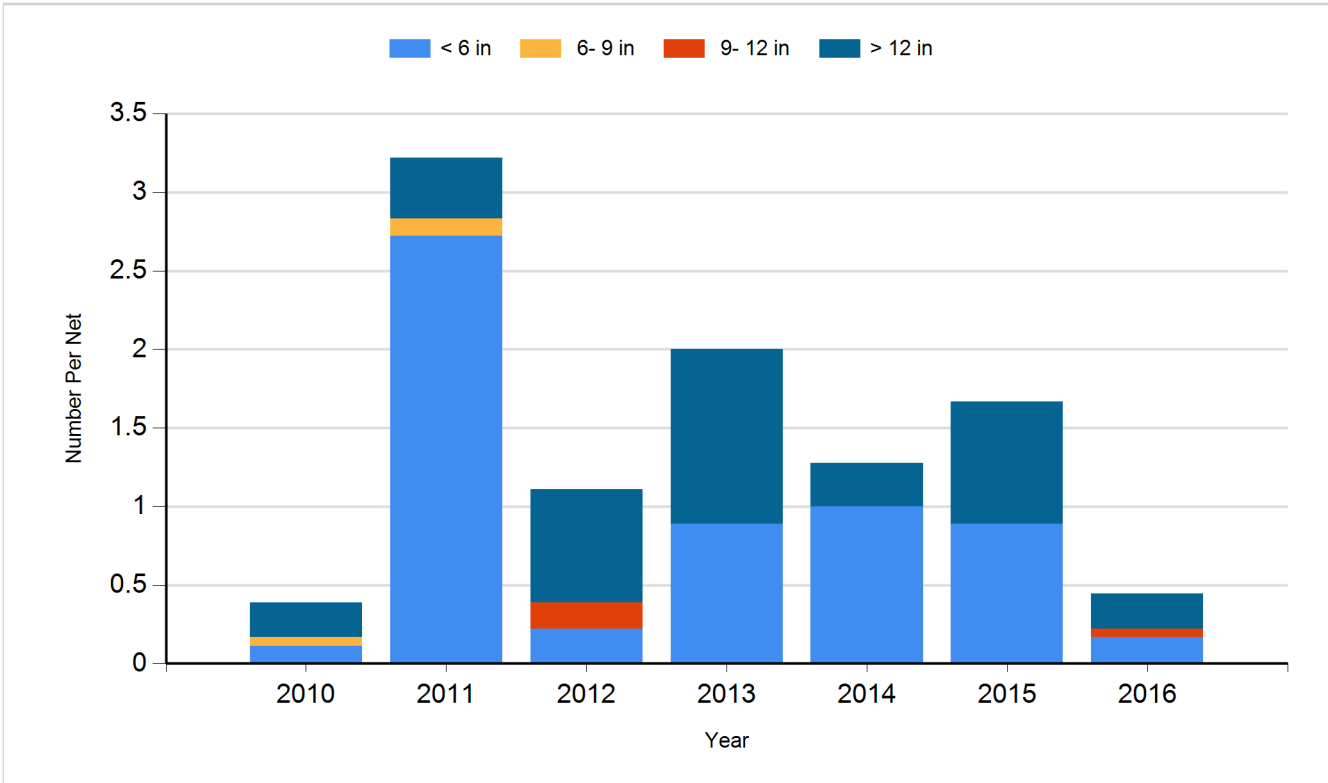
Species: Walleye
Gear: std exp gill net



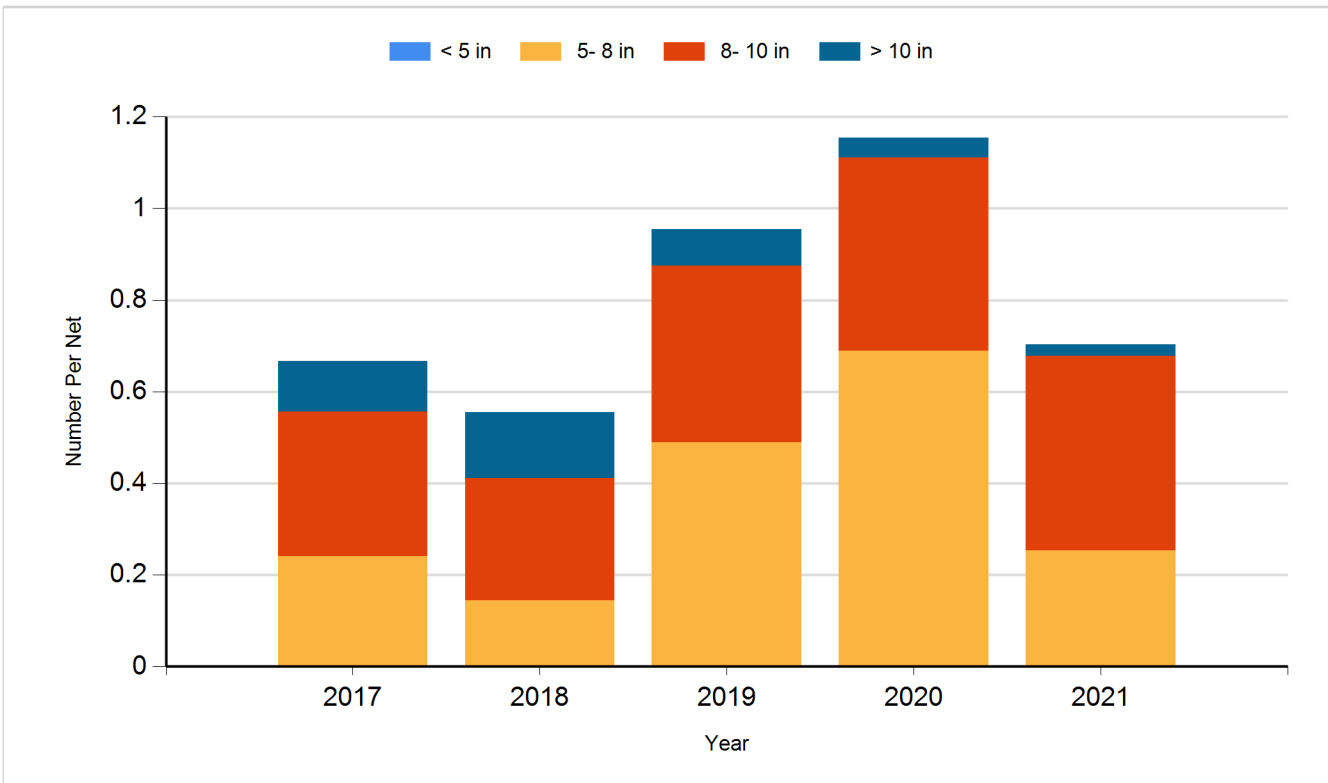
Species: White Bass
Gear: AFS std gill net



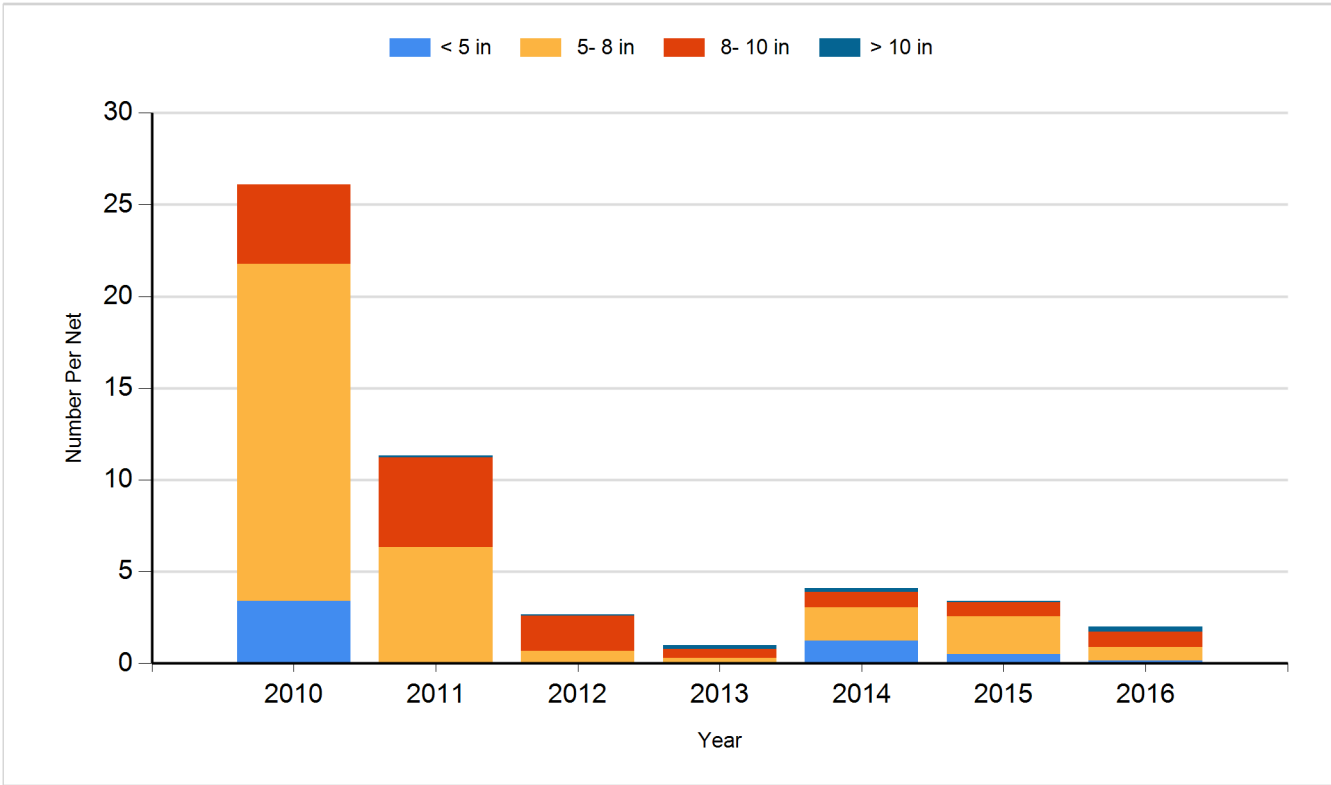
Species: White Bass
Gear: std exp gill net



Species: 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
2012	Gizzard Shad	Adult	344
2013	Gizzard Shad	Adult	530
2018	Atlantic Salmon	Adult	1,863
2018	Atlantic Salmon	Catchable	989
2018	Chinook Salmon (Oahe)	Fingerling	132,736
2018	Walleye	Small Fingerling	104,534
2019	Atlantic Salmon	Adult	3,059
2019	Atlantic Salmon	Catchable 15"	1,368
2019	Atlantic Salmon	Large	2,148
2019	Chinook Salmon (Oahe)	Fingerling	251,187
2019	Chinook Salmon (Oahe)	Juvenile	31,557
2020	Chinook Salmon (Oahe)	Juvenile	135,407
2020	Chinook Salmon (Oahe)	Large Fingerling	33,975
2021	Atlantic Salmon	Juvenile	67,486
2021	Chinook Salmon (Oahe)	Adult	4,343
2021	Chinook Salmon (Oahe)	Juvenile	201,360
2021	Walleye	Juvenile	1,535,670