

South Buffalo Lake Survey Summary

South Buffalo Lake, located 6.0 miles east of Eden, is managed as a multiple species fishery including panfish (i.e., bluegill and yellow perch), largemouth bass, northern pike, and walleye; other fish species are present and contribute to the fishery.

- **Black crappie.** Although not abundant (6.8 per frame net), more black crappies were sampled in 2021 than in previous surveys from 2012 – 2019. Those sampled ranged in length from 8.0 to 12.2 inches, nearly half (48%) were 10.0 inches or longer.
- **Bluegill.** Bluegills were more than five times more numerous than any other species in the 2021 frame net catch. At 59.6 per frame net, relative abundance was considered high. Sampled bluegills ranged in length from 3.1 to 10.2 inches, 87% were ≥ 6.0 inches and 11% were ≥ 8.0 inches. Nine year classes (2008, 2010, 2011, 2013, and 2015 – 2019) were represented. Individuals from 2017 (age-4) cohort were the most abundant accounting for 70% of bluegills in the sample, while those from the 2016 (age-5) year class made up an additional 18%. Since 2013, mean length at capture at age 4 has ranged from 5.0 to 8.4 inches. In 2021, the mean length at capture of age-4 fish was 6.6 inches.
- **Northern pike.** Northern pike numbers were similar to those observed in 2019. In 2021, the mean gill net CPUE of 2.8 suggested moderate relative abundance. Sampled northern pike ranged in length from 10.2 to 38.6 inches, of those that were at least 14.0 inches 67% were ≥ 21.0 inches and 9% were ≥ 28 inches.
- **Largemouth bass.** Spring electrofishing for largemouth bass was not completed in 2021.
- **Walleye.** Fewer walleyes were sampled in 2021 than in 2019. At 3.3 per gill net, relative abundance was considered low to moderate for South Buffalo Lake. Sampled walleyes ranged in length from 10.2 to 26.8 inches, 68% were ≥ 15.0 inches and 48% were ≥ 20.0 inches. Thirteen year classes (2003, 2005, and 2009 – 2019), each represented by 10 or fewer individuals, contributed to the catch. The oldest walleye sampled was from the 2003 (age-18) cohort. Although sample sizes are low, walleye growth appears to be good with mean length at capture values at age 4 from 15.5 to 18.5 inches since 2013. In 2021, the mean length at capture of age-4 walleyes was 18.5 inches.
- **Yellow perch.** The mean gill net CPUE of 18.0 suggested moderate to high relative abundance. Sampled individuals ranged in length from 4.7 to 9.1 inches, of those that were at least 5.0 inches 13% were ≥ 8.0 inches. Yellow perch from three cohorts (2017 – 2019) comprised the entire sample, those from the 2018 (age-3) cohort were the most abundant accounting for 85% of perch collected. Growth is slow with mean length at capture values for age-3 fish that have ranged from 5.6 to 6.7 inches since 2013. In 2021, the mean length at capture of age-3 fish was 6.7 inches.

For more detailed results see the computer-generated South Dakota Statewide Fisheries Survey for Buffalo South (Marshall; below).

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Buffalo South, Marshall County

UJA-Lake-917-000

2021

Lake Information

| | | | |
|----------------------|---------------|--------------------------|---------|
| Name: | Buffalo South | Maximum Depth: | 14 Feet |
| County: | Marshall | Mean Depth: | 8 Feet |
| | | OHWM Elevation: | 1,835 |
| Surface Area: | 2,112 Acres | Outlet Elevation: | 1,835 |

Surveys and Investigations

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

| Gear | Date | Effort |
|------------------------|--------------|--------------|
| AFS std gill net | Jun 15, 2021 | 4 net-nights |
| AFS std gill net | Jun 16, 2021 | 4 net-nights |
| AFS std gill net | Jun 17, 2021 | 4 net-nights |
| frame net (std 3/4 in) | Jun 15, 2021 | 6 net-nights |
| frame net (std 3/4 in) | Jun 16, 2021 | 6 net-nights |
| frame net (std 3/4 in) | Jun 17, 2021 | 6 net-nights |

Common Fish Species Present

Walleye

Northern Pike

Largemouth Bass

Bluegill

Yellow Perch

Black Bullhead

Black Crappie

White Sucker

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).

| 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 | 77 | 6.4 | 1.8 | 70 | 8 | 40 | 8 | 86 | 2 |
| | Black Crappie | 35 | 2.9 | 1.2 | 97 | | 31 | 12 | 108 | 1 |
| | Bluegill | 18 | 1.5 | 0.5 | 100 | | 11 | | 120 | 3 |
| | Largemouth Bass | 2 | 0.2 | 0.2 | 50 | | 50 | | 126 | 4 |
| | Northern Pike | 34 | 2.8 | 0.7 | 67 | 13 | 9 | | 84 | 2 |
| | Walleye | 40 | 3.3 | 0.8 | 68 | 11 | 48 | 12 | 88 | 1 |
| | White Sucker | 29 | 2.4 | 1.2 | 100 | | 100 | | 108 | 2 |
| | Yellow Perch | 217 | 18.0 | 3.5 | 13 | 3 | 0 | | 101 | 1 |
| frame net (std 3/4 in) | Black Bullhead | 212 | 11.8 | 6.5 | 86 | 3 | 62 | 5 | 85 | 1 |
| | Black Crappie | 122 | 6.8 | 2.7 | 100 | | 48 | 6 | 101 | 1 |
| | Bluegill | 1073 | 59.6 | 12.7 | 87 | 1 | 11 | 1 | 112 | 1 |
| | Northern Pike | 29 | 1.6 | 0.5 | 52 | 14 | 14 | | 76 | 2 |
| | Walleye | 8 | 0.4 | 0.2 | 63 | | 63 | | 86 | 2 |
| | White Sucker | 3 | 0.2 | 0.2 | 100 | | 100 | | 94 | 3 |
| | Yellow Perch | 36 | 2.0 | 0.6 | 19 | 10 | 0 | | 91 | 2 |

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.

* Method/species that ignore stock length ** Includes day and night samples *** AFS standard frame net used in 2017

| Gear | Species | CPUE | | | | | | | | | | Avg |
|---------------------------|-----------------|------|------|------|------|------|------|------|------|------|-------|-------|
| | | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | |
| AFS std gill net | Black Bullhead | | | | | | 21.3 | | 3.5 | | 6.4 | 10.40 |
| | Black Crappie | | | | | | 1.4 | | 1.6 | | 2.9 | 1.97 |
| | Bluegill | | | | | | 1.4 | | 0.6 | | 1.5 | 1.17 |
| | Common Carp | | | | | | 0.1 | | 0.1 | | 0.0 | 0.07 |
| | Golden Shiner* | | | | | | 0.1 | | 0.8 | | 0.0 | 0.30 |
| | Largemouth Bass | | | | | | 0.3 | | 0.3 | | 0.2 | 0.27 |
| | Northern Pike | | | | | | 4.1 | | 2.1 | | 2.8 | 3.00 |
| | Walleye | | | | | | 3.5 | | 5.3 | | 3.3 | 4.03 |
| | White Sucker | | | | | | 5.5 | | 1.3 | | 2.4 | 3.07 |
| | Yellow Perch | | | | | | 2.9 | | 5.6 | | 18.0 | 8.83 |
| boat shocker ** | Largemouth Bass | | 33.0 | | 27.8 | | | | | 11.0 | | 23.90 |
| frame net (std 3/4 in)*** | Black Bullhead | | 14.1 | | 19.3 | | 57.8 | | 22.8 | | 11.8 | 25.16 |
| | Black Crappie | | 5.2 | | 1.4 | | 0.6 | | 4.5 | | 6.8 | 3.70 |
| | Bluegill | | 10.1 | | 9.6 | | 8.5 | | 21.8 | | 59.6 | 21.92 |
| | Common Carp | | 0.0 | | 0.0 | | 0.1 | | 0.0 | | 0.0 | 0.02 |
| | Largemouth Bass | | 0.0 | | 0.0 | | 0.1 | | 0.0 | | 0.0 | 0.02 |
| | Northern Pike | | 0.2 | | 0.5 | | 0.2 | | 0.3 | | 1.6 | 0.56 |
| | Smallmouth Bass | | 0.1 | | 0.1 | | 0.1 | | 0.0 | | 0.0 | 0.06 |
| | Walleye | | 0.2 | | 0.2 | | 0.2 | | 0.1 | | 0.4 | 0.22 |
| | White Sucker | | 0.0 | | 0.0 | | 0.3 | | 0.3 | | 0.2 | 0.16 |
| | Yellow Perch | | 0.9 | | 2.0 | | 0.3 | | 0.2 | | 2.0 | 1.08 |
| std exp gill net | Black Bullhead | | 41.0 | | 25.0 | | | | | | | 33.00 |
| | Black Crappie | | 0.5 | | 0.3 | | | | | | | 0.40 |
| | Bluegill | | 0.8 | | 0.0 | | | | | | | 0.40 |
| | Emerald Shiner* | | 0.2 | | 0.0 | | | | | | | 0.10 |
| | Largemouth Bass | | 0.0 | | 0.0 | | | | | | | 0.00 |
| | Northern Pike | | 14.8 | | 4.5 | | | | | | | 9.65 |
| | Walleye | | 3.0 | | 6.2 | | | | | | | 4.60 |
| | White Sucker | | 4.8 | | 7.7 | | | | | | | 6.25 |
| Yellow Perch | | 26.0 | | 19.3 | | | | | | | 22.65 | |

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.

* AFS standard frame net used in 2017

| Gear | Species | Index | Year | | | | | | | | | |
|----------------------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|
| | | | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| AFS std gill net | Northern Pike | PSD | | | | | | 39 | | 68 | | 67 |
| | | PSD-P | | | | | | 6 | | 4 | | 9 |
| | | Wr | | | | | | 85 | | 90 | | 84 |
| | Walleye | PSD | | | | | | 43 | | 81 | | 68 |
| | | PSD-P | | | | | | 14 | | 16 | | 48 |
| | | Wr | | | | | | 89 | | 91 | | 88 |
| | Yellow Perch | PSD | | | | | | 6 | | 0 | | 13 |
| | | PSD-P | | | | | | 0 | | 0 | | 0 |
| | | Wr | | | | | | 102 | | 106 | | 101 |
| frame net (std 3/4 in)* | Black Crappie | PSD | | 99 | | 96 | | 91 | | 12 | | 100 |
| | | PSD-P | | 83 | | 92 | | 82 | | 8 | | 48 |
| | | Wr | | 99 | | 97 | | 95 | | 100 | | 101 |
| | Bluegill | PSD | | 99 | | 45 | | 33 | | 6 | | 87 |
| | | PSD-P | | 64 | | 45 | | 25 | | 2 | | 11 |
| | | Wr | | 118 | | 121 | | 105 | | 105 | | 112 |
| std exp gill net | Northern Pike | PSD | | 48 | | 37 | | | | | | |
| | | PSD-P | | 4 | | 15 | | | | | | |
| | | Wr | | 84 | | 83 | | | | | | |
| | Walleye | PSD | | 17 | | 32 | | | | | | |
| | | PSD-P | | 6 | | 8 | | | | | | |
| | | Wr | | 88 | | 88 | | | | | | |
| | Yellow Perch | PSD | | 10 | | 29 | | | | | | |
| | | PSD-P | | 0 | | 0 | | | | | | |
| | | Wr | | 102 | | 100 | | | | | | |

Length at Capture

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

Species: Bluegill

| Mean Length (expanded sample number) at capture by age | | | | | | | | | | | |
|--|------|------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Year | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ |
| 2021 | 1073 | | 96 (6) | 165 (21) | 167 (756) | 190 (193) | 191 (27) | | 248 (60) | | 261 (10) |
| 2019 | 372 | | 95 (79) | 130 (165) | 126 (121) | | 228 (5) | | | 241 (1) | 265 (1) |
| 2017 | 212 | 50 (13) | 85 (146) | 150 (3) | 197 (31) | | 225 (1) | 248 (2) | 241 (4) | 248 (10) | 243 (1) |
| 2015 | 166 | 85 (12) | 108 (80) | 140 (2) | 214 (5) | 207 (1) | | 231 (41) | 235 (21) | 234 (7) | |
| 2013 | 182 | | | 167 (25) | 183 (20) | 203 (80) | 216 (50) | 234 (1) | 257 (2) | 232 (6) | |

Species: Walleye

| Mean Length (expanded sample number) at capture by age | | | | | | | | | | | |
|--|----|------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|
| Year | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ |
| 2021 | 40 | | 316 (10) | 348 (2) | 470 (2) | 552 (2) | 523 (2) | 519 (10) | 504 (5) | 672 (2) | 638 (5) |
| 2019 | 64 | | 316 (1) | 371 (12) | 397 (6) | 451 (27) | 501 (11) | 453 (1) | 496 (1) | 505 (1) | 655 (4) |
| 2017 | 42 | | 252 (1) | 319 (18) | 393 (14) | 424 (1) | | 448 (2) | 536 (1) | 608 (1) | 675 (4) |
| 2015 | 44 | 168 (3) | 270 (23) | 346 (5) | 404 (5) | 387 (5) | 540 (1) | 525 (1) | | | 645 (1) |
| 2013 | 18 | | 275 (5) | 313 (10) | 461 (1) | 451 (1) | | | | | 671 (1) |

Species: Yellow Perch

| Mean Length (expanded sample number) at capture by age | | | | | | | | | | | |
|--|-----|------------|-------------|--------------|-------------|-------------|-------------|-------------|------------|---|-----|
| Year | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ |
| 2021 | 216 | | 144 (5) | 170 (184) | 204 (27) | | | | | | |
| 2019 | 75 | | 139 (17) | 143 (57) | 175 (1) | | | | | | |
| 2017 | 35 | | 134 (2) | 147 (16) | 182 (16) | | | 233 (1) | | | |
| 2015 | 139 | 97 (13) | 133 (41) | 162 (3) | | 199 (8) | 196 (60) | 211 (14) | | | |
| 2013 | 157 | | | 155 (2) | 159 (64) | 178 (87) | 197 (3) | | 204 (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).

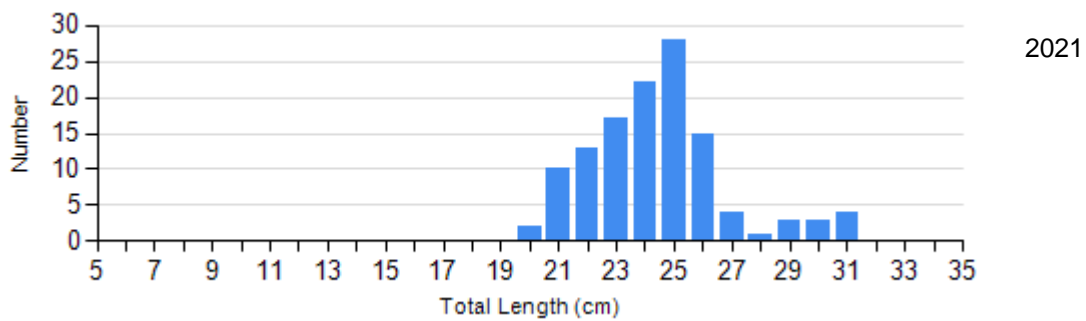
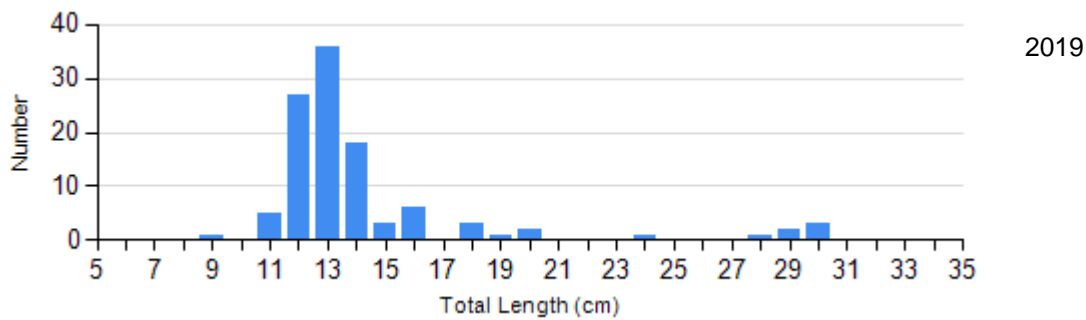
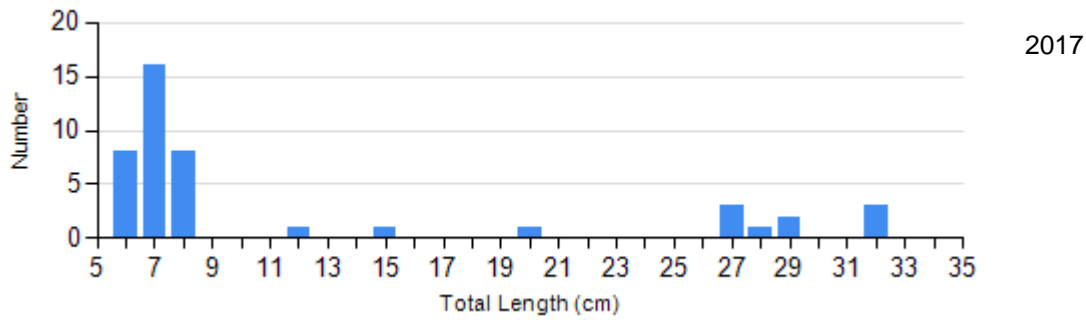
| Species | Year | Length Groups | | | | | | | |
|----------------------------|------|---------------|--------------|-----|--------------|-----|--------------|----|--------------|
| | | S-Q | | Q-P | | P-M | | M | |
| | | N | Wr (SE) | N | Wr (SE) | N | Wr (SE) | N | Wr (SE) |
| Black Crappie Frame Net | 2017 | 1 | 111 | 1 | 97 | 6 | 94 (2.4) | 3 | 92 (2.5) |
| | 2019 | 67 | 101 (1.2) | 3 | 100 (2.6) | 3 | 90 (3.2) | 3 | 96 (1.1) |
| | 2021 | 0 | | 64 | 104 (0.8) | 51 | 99 (0.8) | 7 | 94 (2.5) |
| Bluegill Frame Net | 2017 | 102 | 100 (1.6) | 13 | 116 (3.0) | 31 | 116 (1.5) | 7 | 108 (2.6) |
| | 2019 | 350 | 105 (0.7) | 14 | 112 (2.1) | 6 | 101 (3.7) | 1 | 95 |
| | 2021 | 138 | 116 (1.7) | 814 | 112 (0.5) | 81 | 112 (1.0) | 40 | 112 (1.1) |
| Northern Pike Gill Net | 2017 | 30 | 86 (1.2) | 16 | 81 (1.6) | 1 | 101 | 2 | 103 (4.0) |
| | 2019 | 8 | 93 (2.2) | 16 | 89 (1.5) | 1 | 82 | 0 | |
| | 2021 | 11 | 83 (1.2) | 19 | 84 (3.1) | 2 | 79 (1.4) | 1 | 92 |
| Walleye Gill Net | 2017 | 24 | 89 (1.1) | 12 | 94 (1.8) | 2 | 90 (2.2) | 4 | 79 (2.6) |
| | 2019 | 12 | 91 (1.4) | 42 | 91 (0.8) | 7 | 92 (2.3) | 3 | 88 (2.0) |
| | 2021 | 13 | 92 (1.6) | 8 | 84 (2.5) | 14 | 88 (1.6) | 5 | 89 (2.5) |
| Yellow Perch Gill Net | 2017 | 33 | 103 (1.5) | 2 | 90 (0.3) | 0 | | 0 | |
| | 2019 | 67 | 106 (1.1) | 0 | | 0 | | 0 | |
| | 2021 | 189 | 102 (0.6) | 27 | 95 (1.3) | 0 | | 0 | |

Length Frequency Distribution

Length frequency histogram of species sampled by year.

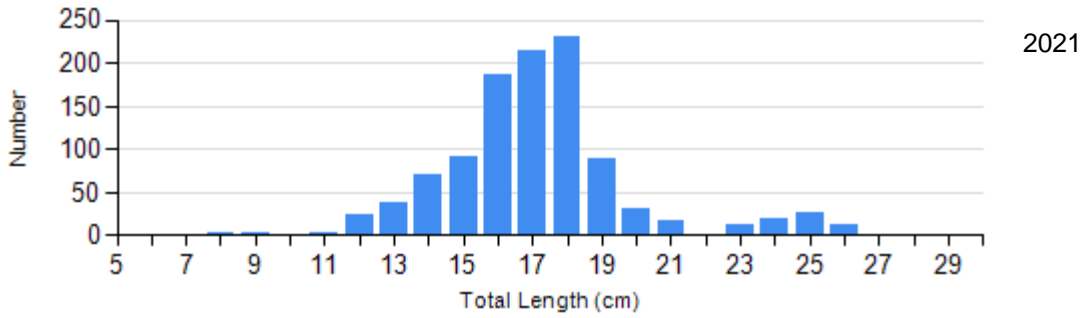
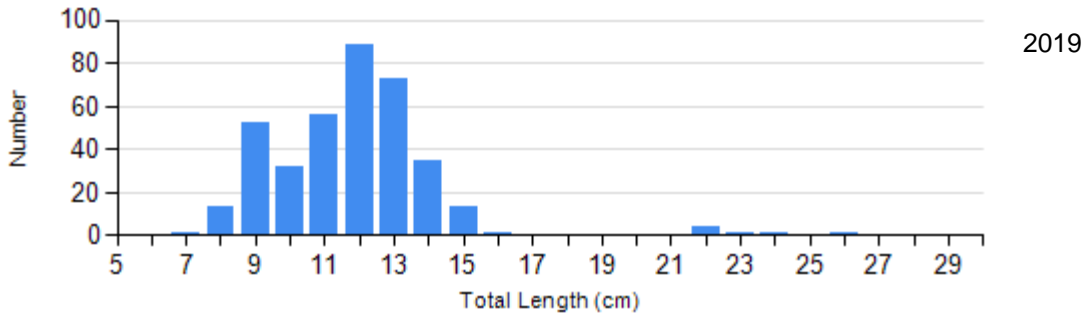
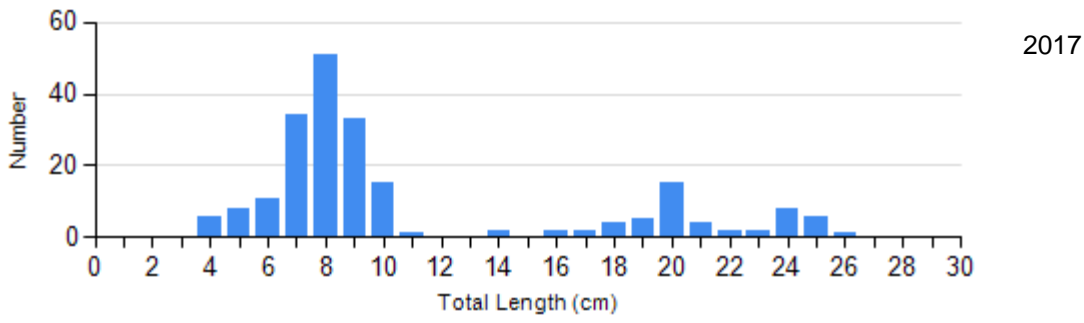
Species: Black Crappie

Gear: frame net (std 3/4 in) *AFS standard frame net used in 2017

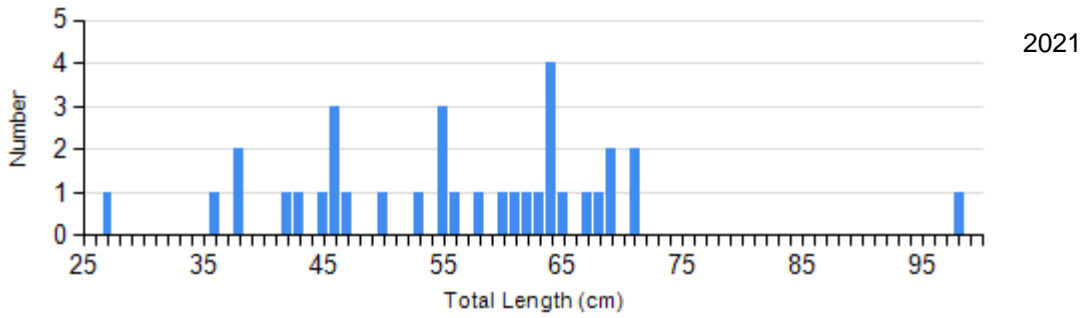
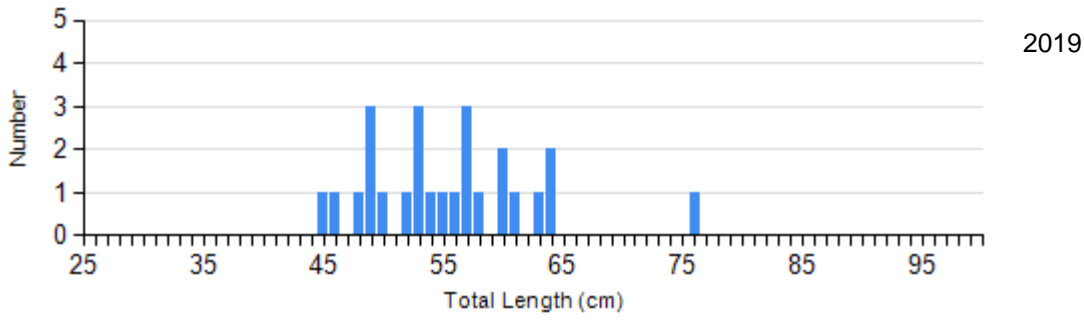
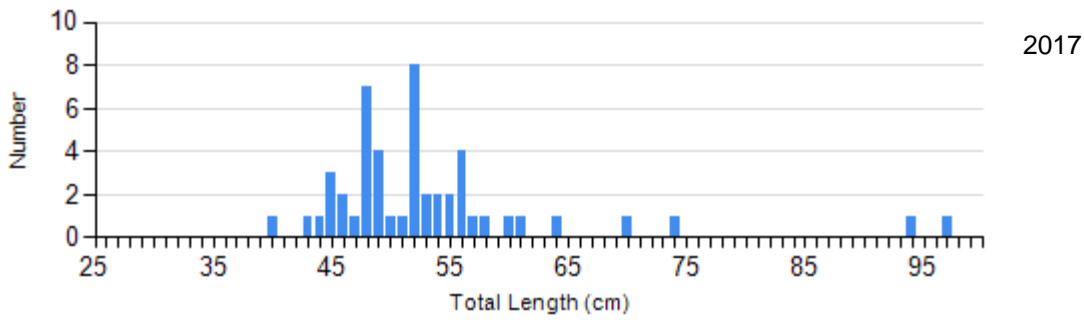


Species: Bluegill

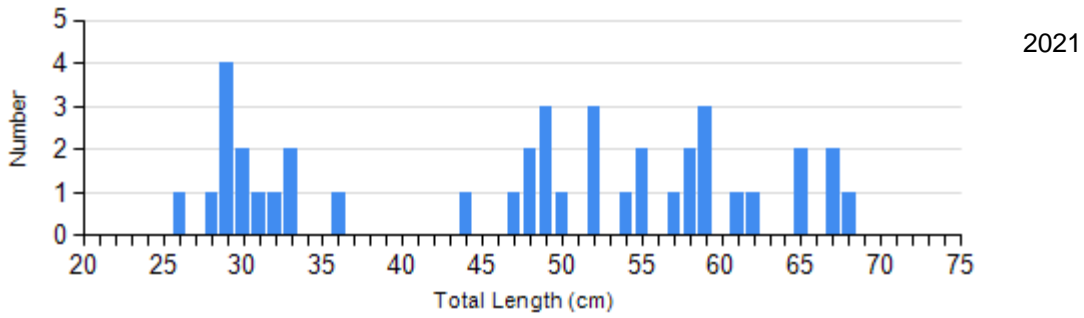
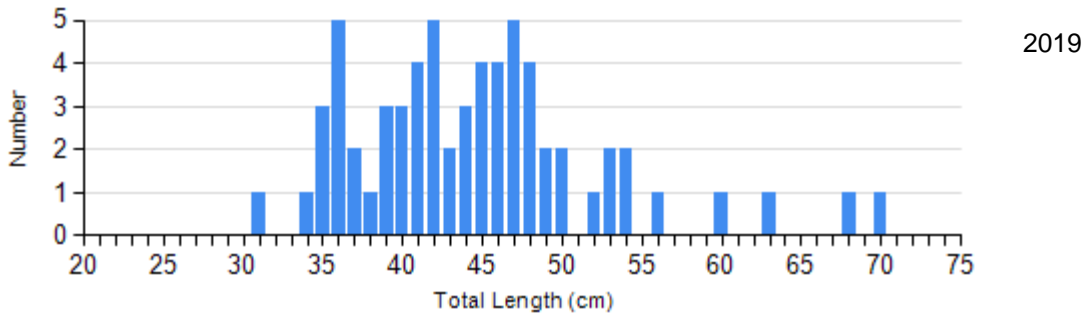
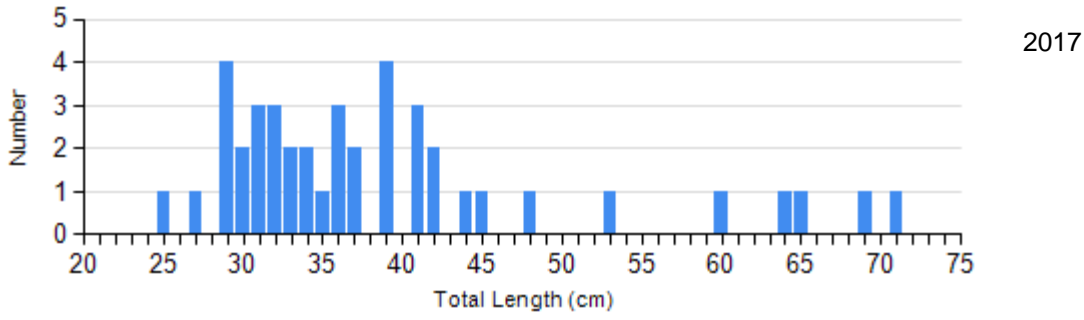
Gear: frame net (std 3/4 in) *AFS standard frame net used in 2017



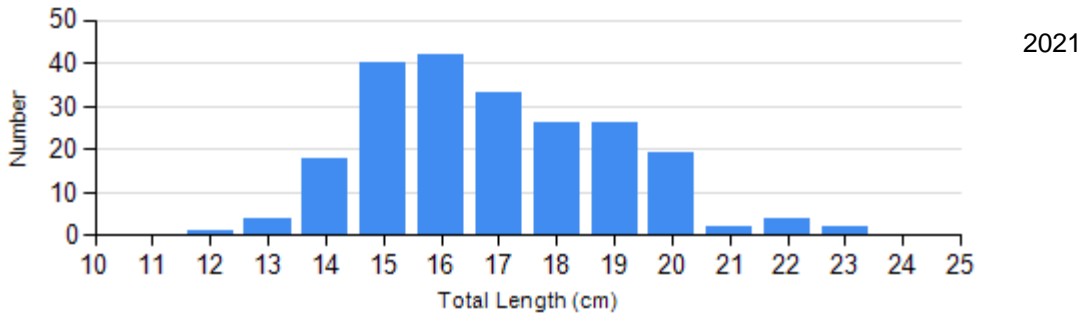
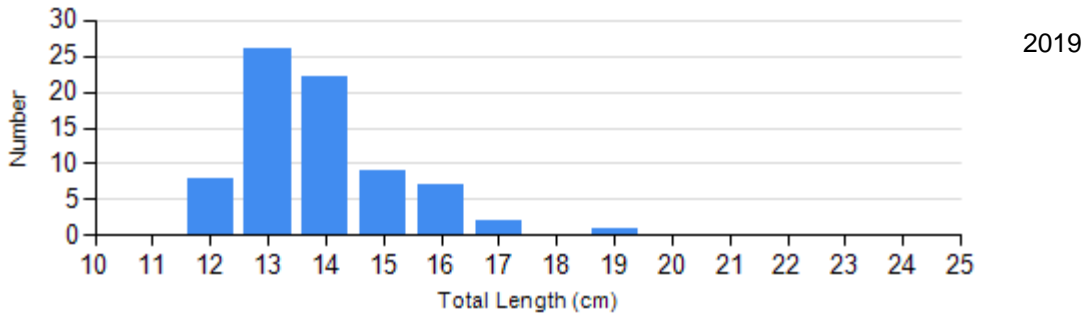
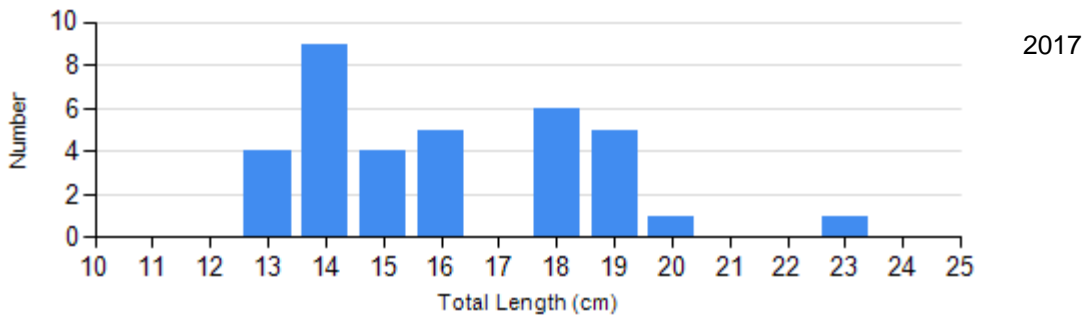
Species: Northern Pike
Gear: AFS std gill net



Species: Walleye
Gear: AFS std gill net



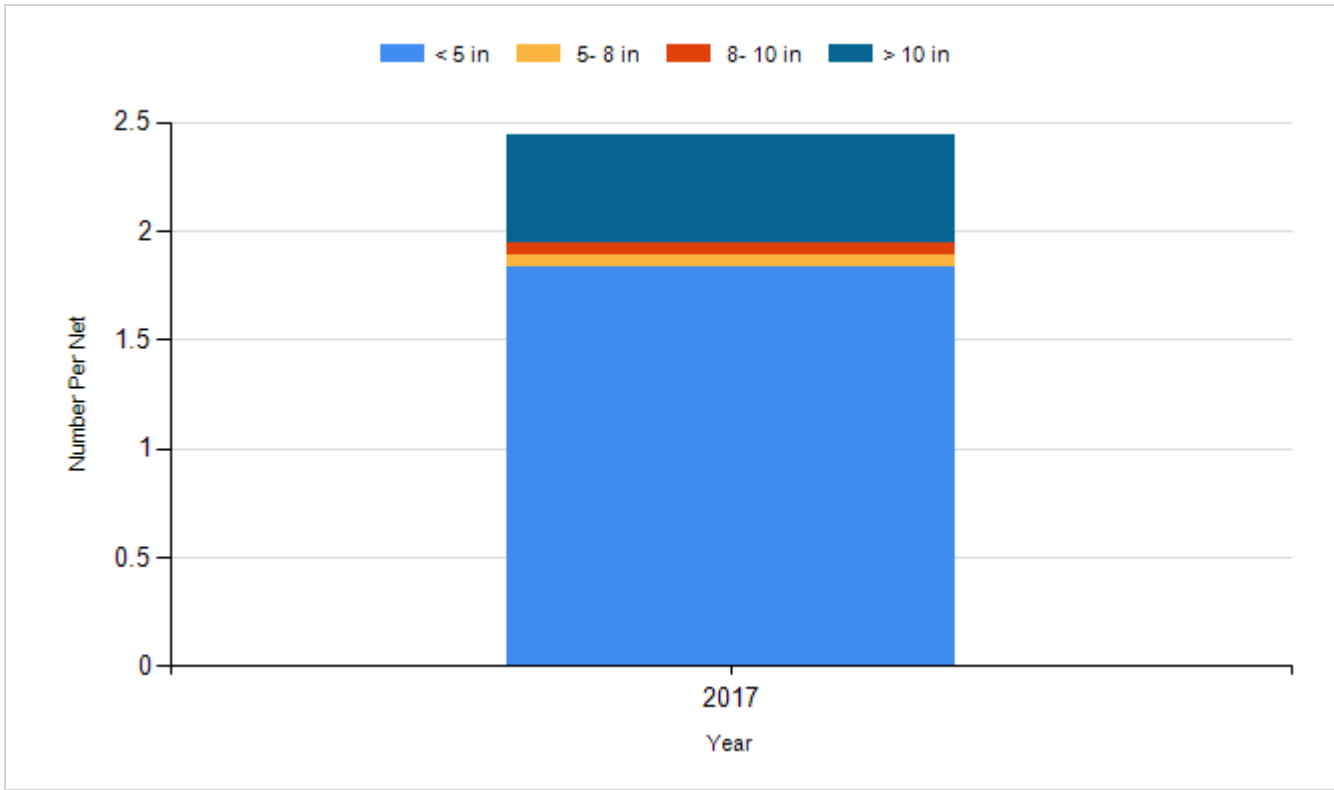
Species: Yellow Perch
Gear: AFS std gill net



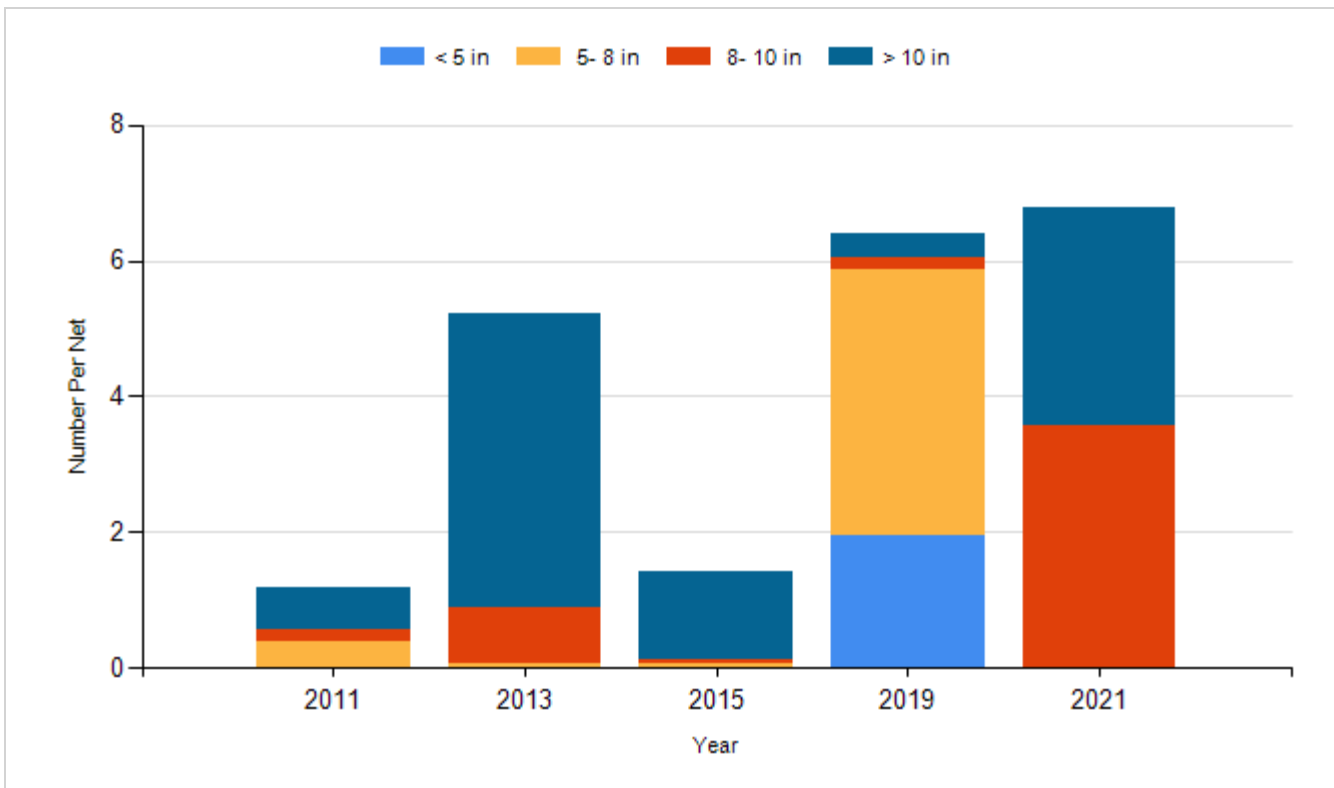
Historic Fish Sizes and Relative Abundance

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

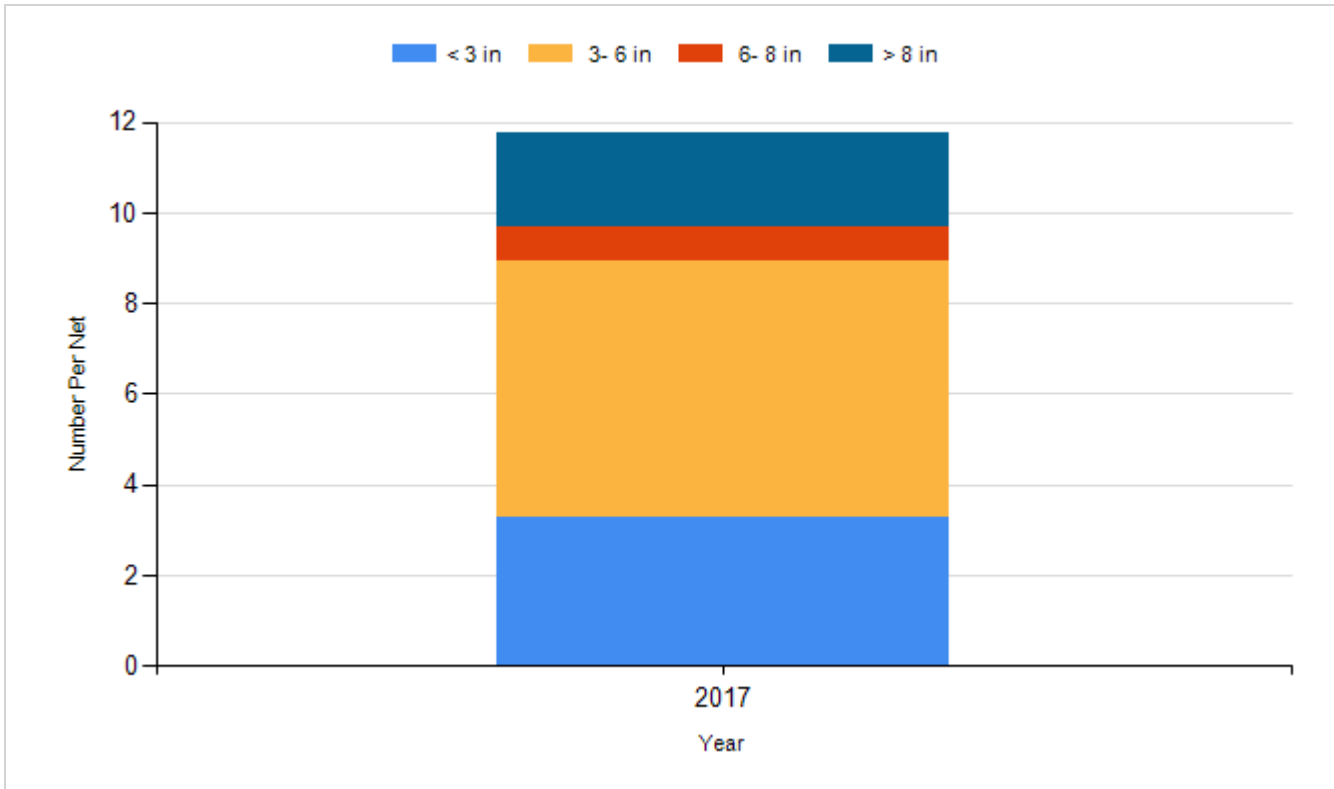
Species: Black Crappie
Gear: AFS std frame net



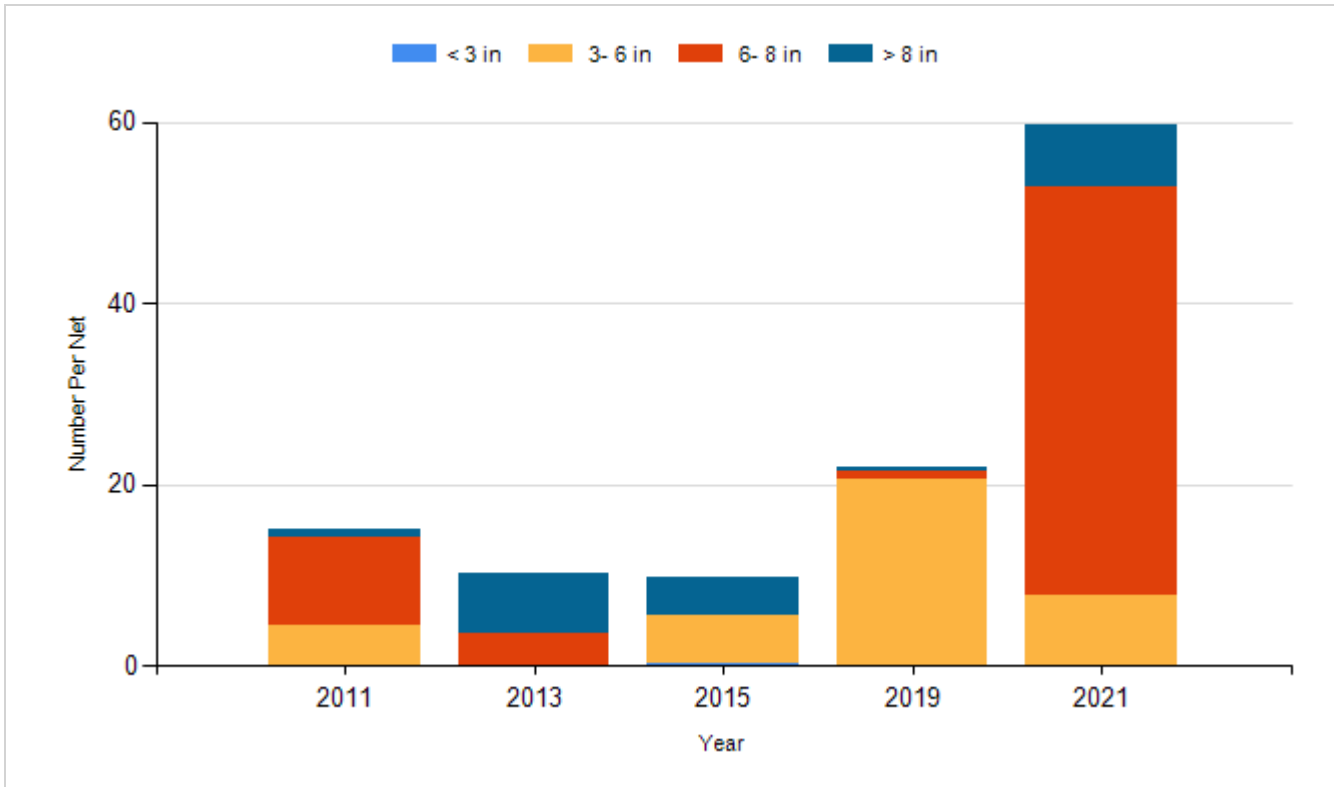
Species: Black Crappie
Gear: frame net (std 3/4 in)



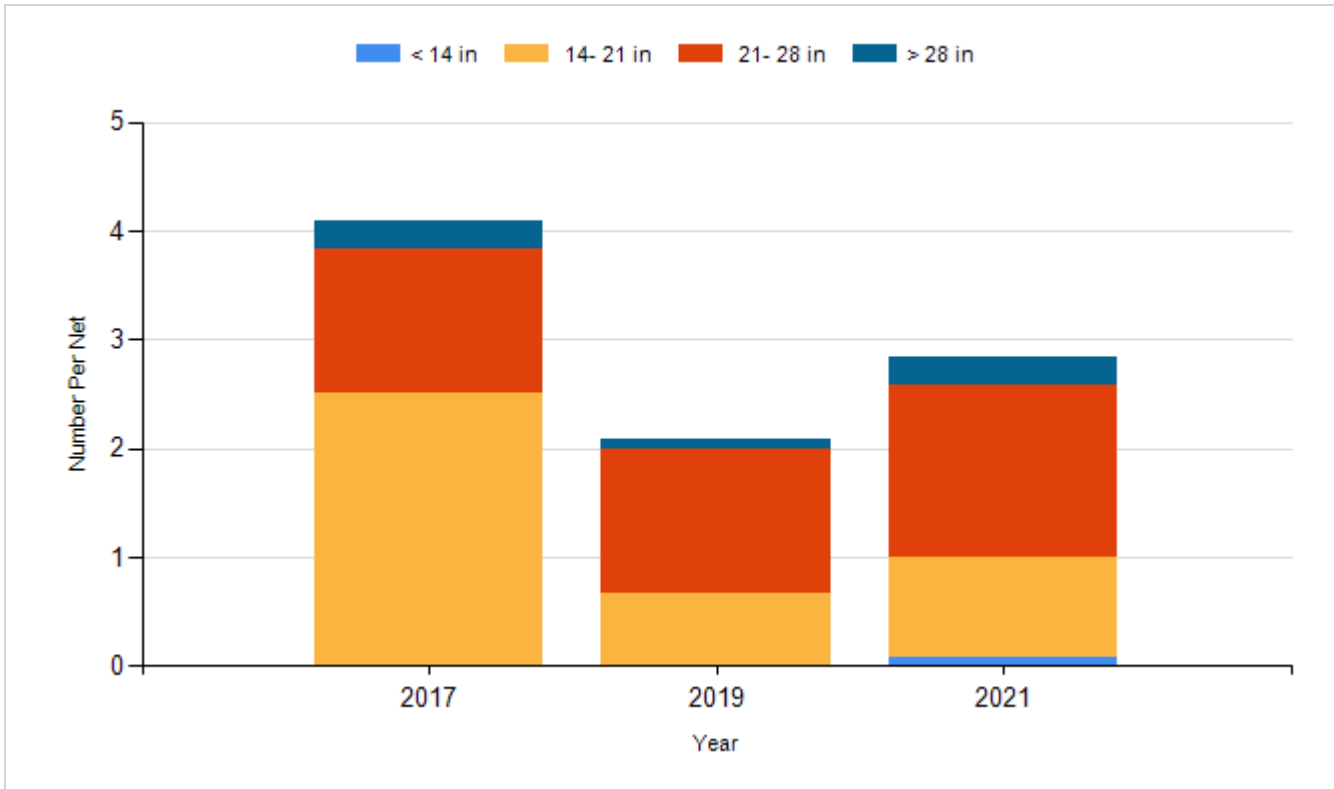
Species: Bluegill
Gear: AFS std frame net



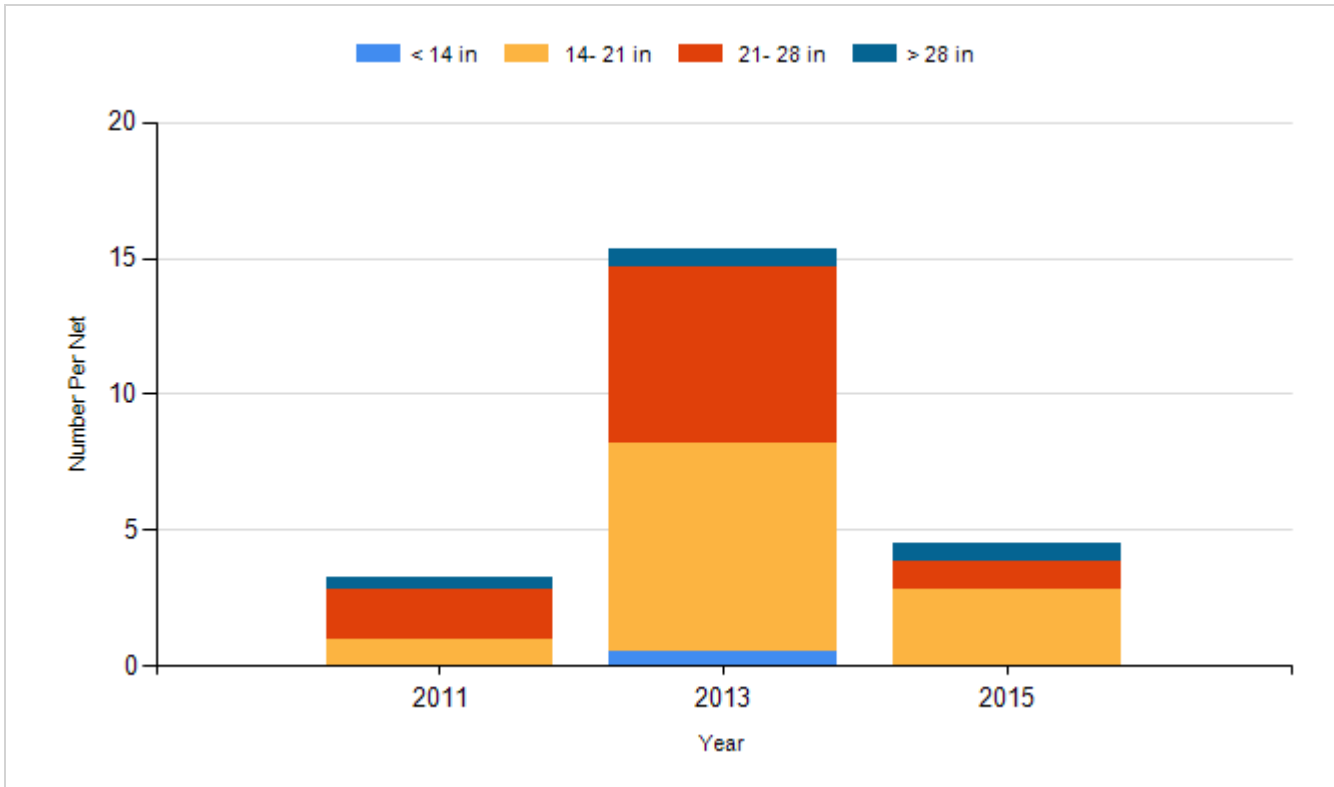
Species: Bluegill
Gear: frame net (std 3/4 in)



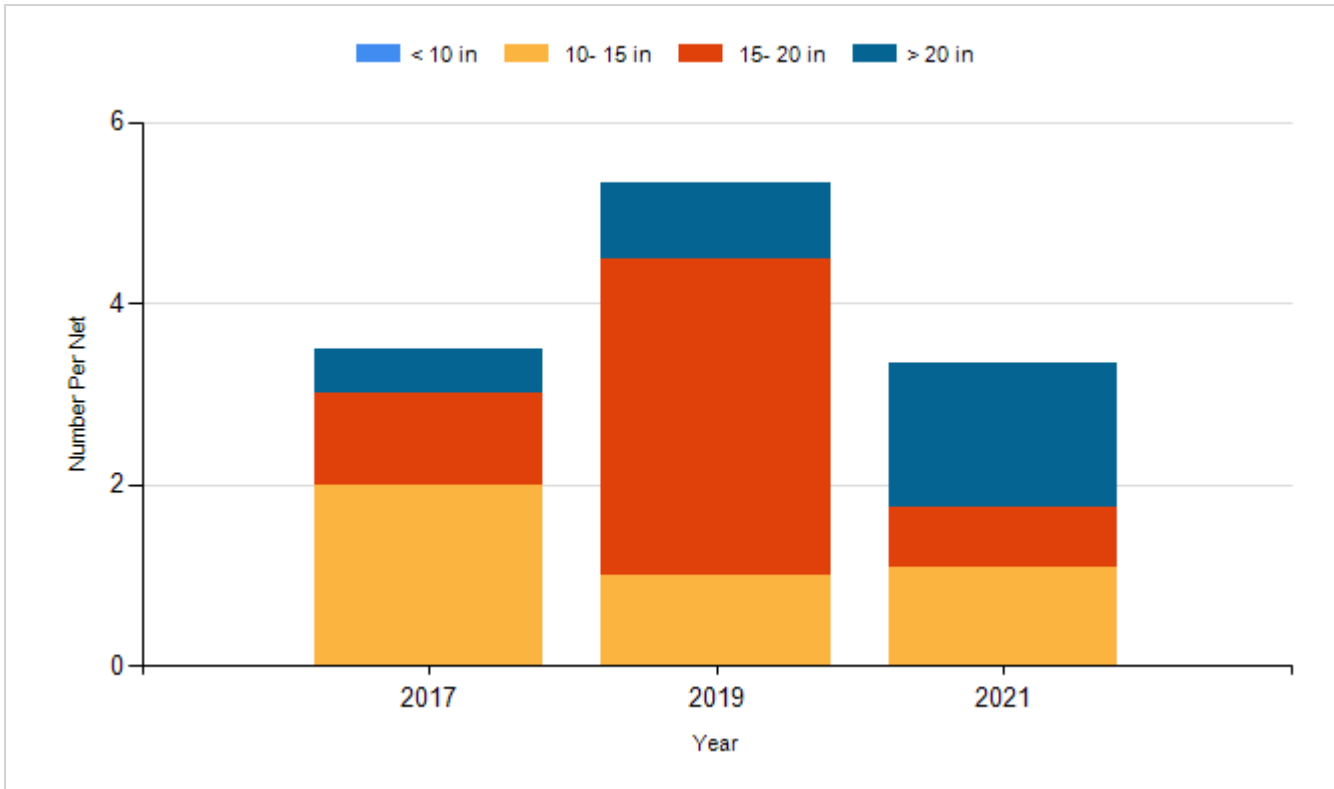
Species: Northern Pike
Gear: AFS std gill net



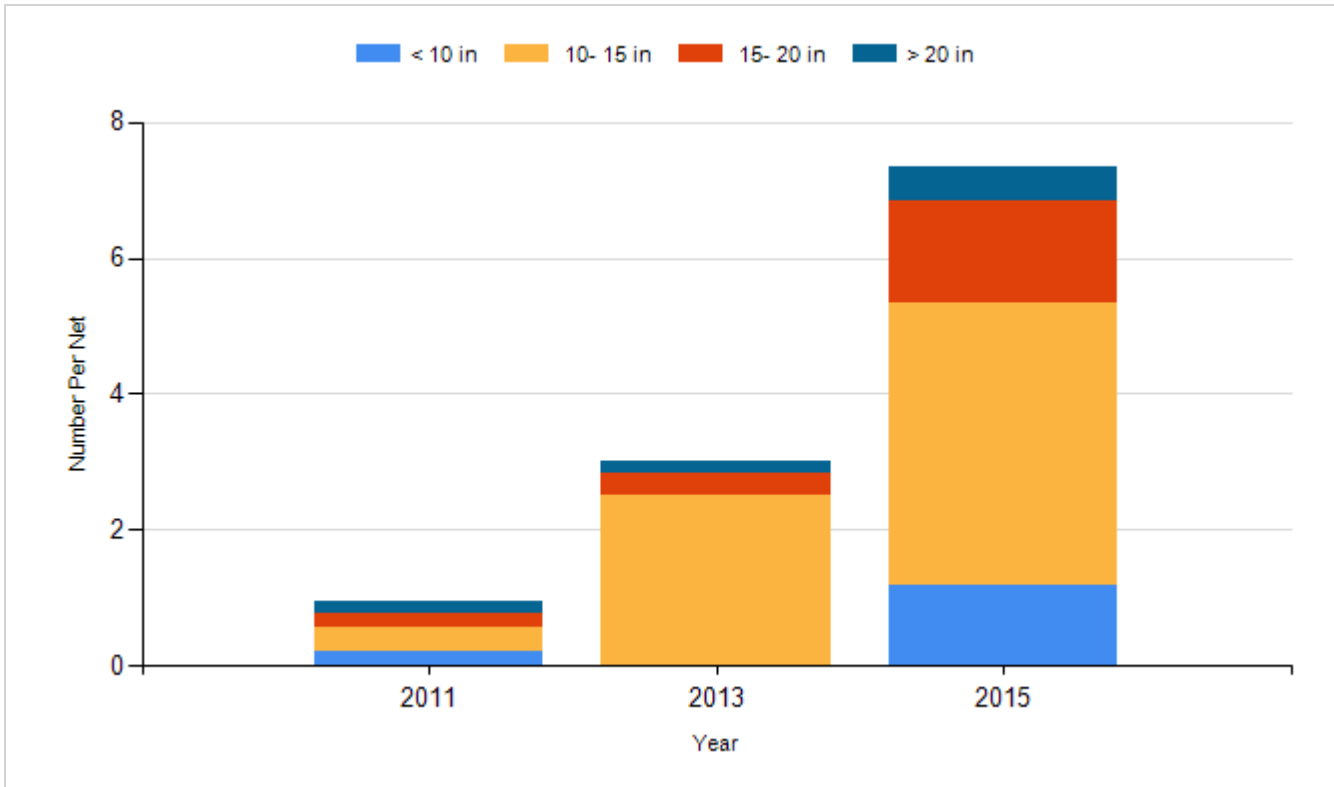
Species: Northern Pike
Gear: std exp gill net



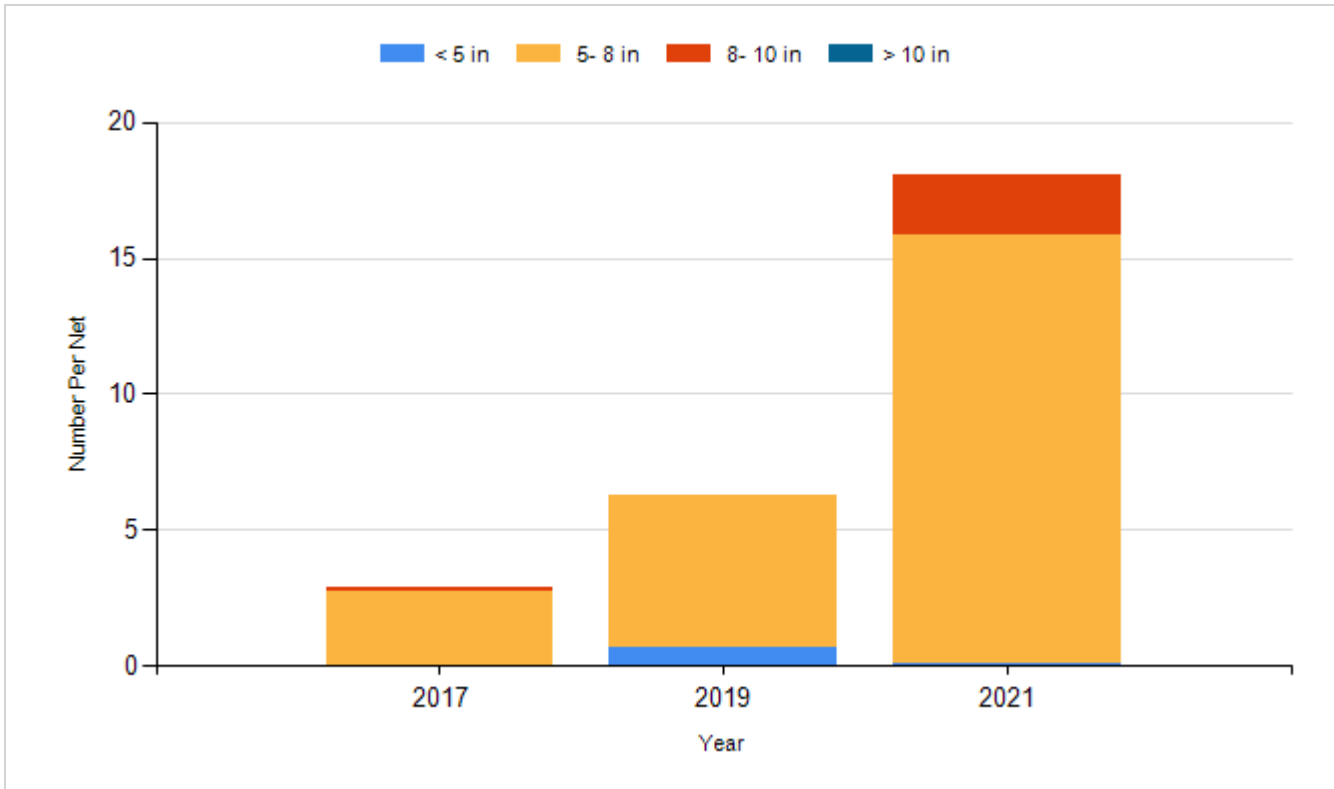
Species: Walleye
Gear: AFS std gill net



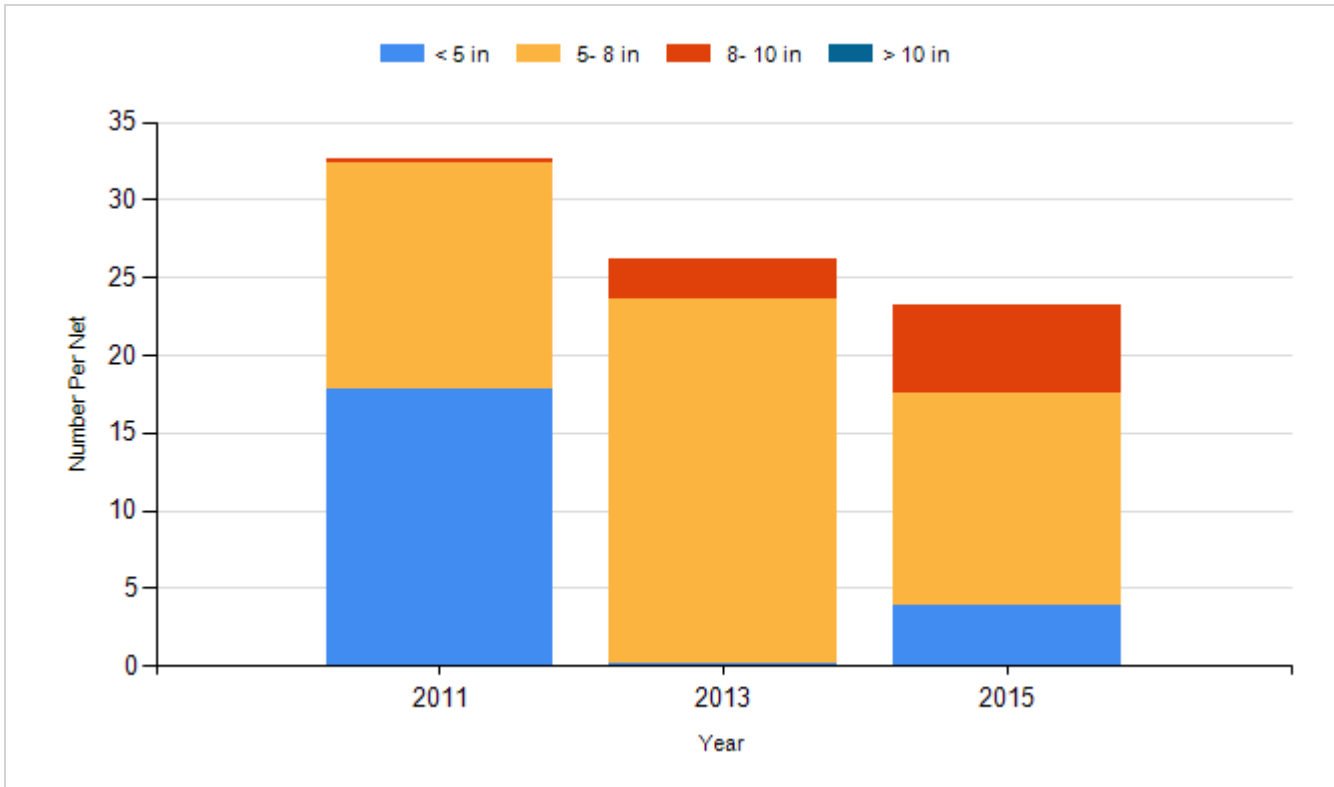
Species: Walleye
Gear: std exp gill net



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 |
|------|-----------------|------------------|---------|
| 2010 | Walleye | Small Fingerling | 220,060 |
| 2012 | Walleye | Small Fingerling | 213,730 |
| 2014 | Walleye | Small Fingerling | 177,750 |
| 2016 | Largemouth Bass | Adult | 67 |
| 2016 | Walleye | Fingerling | 178,000 |
| 2018 | Walleye | Small Fingerling | 179,920 |
| 2021 | Walleye | Juvenile | 207,460 |