**Newell Lake Survey Summary**

Newell Lake is a 183-acre impoundment located 8 miles North and 2 miles East of Newell. It is managed as a Walleye, Largemouth Bass, Northern Pike, Bluegill and Yellow Perch fishery. Recent low water and construction work on the dam, made access difficult. A summer netting survey was completed on July 2nd to get an idea of what the fish populations are like as the max depth at the time of the survey was 6 feet.

**Walleye.** Four frame nets captured a total of 28 walleyes. Fish were large, and ranged from 16-24 inches.

**Yellow Perch.** A total of 700 adult yellow perch were stocked in the spring of 2024. None were sampled in our nets.

**Bluegill.** Only two bluegill were caught in the frame nets.

**European Rudd.** Rudd was the most abundant species caught in our survey, at 8.3 per net and ranged from 12 to 16 inches.

# SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

## Newell, Butte County

### LBF-Lake-528-000

### 2024

## Lake Information

**Name:** Newell

**County:** Butte

**Surface Area:** 154 Acres

## Surveys and Investigations

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

| Gear | Date | Effort |
|---|---|---|
| frame net (std 3/4 in) | Jul 01, 2024 | 2 net-nights |
| frame net (std 3/4 in) | Jul 02, 2024 | 2 net-nights |

## Common Fish Species Present

Yellow Perch

Northern Pike

Largemouth Bass

Bluegill

Walleye

Smallmouth Bass

Rudd

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.
- s**td 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.

$$CPUE = \frac{number\ of\ fish}{effort}$$

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.

$$PSD = \left(\frac{number\ of\ fish \geq quality\ length}{number\ of\ fish \geq stock\ length}\right) \text{x } 100$$

$$PSD - P = \left(\frac{number\ of\ fish \geq preferred\ length}{number\ of\ fish \geq stock\ length}\right) \text{x } 100$$

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.

$$Wr = \left(\frac{W}{Ws}\right) \text{x } 100$$

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).

| | Stock | | Quality | | Preferred | | Memorable | | Trophy | |
|---|---|---|---|---|---|---|---|---|---|---|
| Species Name | (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**

| | | | Abundance | | Stock Density Indices | | | | Condition | |
|---|---|---|---|---|---|---|---|---|---|---|
| Gear | Species | Sample Size (n) | CPUE | CI-80 | PSD | CI-80 | PSD-P | CI-80 | Wr | CI-80 |
| frame net (std 3/4 in) | Bluegill | 2 | 0.5 | 0.5 | 100 | | 100 | | 105 | 15 |
| | Northern Pike | 14 | 3.5 | 2.5 | 86 | | 21 | | 84 | 2 |
| | Rudd | 33 | 8.3 | 6.9 | 100 | | 100 | | | |
| | Smallmouth Bass | 1 | 0.3 | 0.4 | 100 | | 100 | | 108 | |
| | Walleye | 28 | 7.0 | 3.3 | 100 | | 75 | 13 | 80 | 1 |
| | White Sucker | 4 | 1.0 | 0.9 | 100 | | 100 | | 89 | 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**

| | | CPUE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gear | Species | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | Avg |
| AFS std frame net | Bluegill | | | 2.4 | | | | | | | | 2.40 |
| | Northern Pike | | | 0.2 | | | | | | | | 0.20 |
| | Rudd | | | 3.0 | | | | | | | | 3.00 |
| | Smallmouth Bass | | | 0.0 | | | | | | | | 0.00 |
| | Walleye | | | 0.9 | | | | | | | | 0.90 |
| | White Sucker | | | 0.7 | | | | | | | | 0.70 |
| | Yellow Perch | | | 0.4 | | | | | | | | 0.40 |
| AFS std gill net | Bluegill | | | 0.5 | 1.3 | 0.8 | 0.0 | | | | | 0.65 |
| | Gizzard Shad | | | 0.3 | 0.0 | 1.3 | 0.0 | | | | | 0.40 |
| | Largemouth Bass | | | 0.0 | 0.0 | 0.0 | 0.3 | | | | | 0.08 |
| | Northern Pike | | | 4.5 | 2.8 | 0.5 | 6.3 | | | | | 3.53 |
| | Rudd | | | 11.3 | 0.5 | 0.8 | 6.5 | | | | | 4.78 |
| | Smallmouth Bass | | | 0.0 | 0.0 | 0.0 | 0.3 | | | | | 0.08 |
| | Walleye | | | 8.8 | 7.8 | 7.5 | 4.0 | | | | | 7.03 |
| | White Sucker | | | 1.5 | 0.5 | 0.5 | 0.8 | | | | | 0.83 |
| | Yellow Perch | | | 10.5 | 5.5 | 0.5 | 6.0 | | | | | 5.63 |
| boat shocker (day) | Largemouth Bass | | | | | | | | | 22.0 | | 22.00 |
| | Smallmouth Bass | | | | | | | | | 10.0 | | 10.00 |
| | Walleye* | | | | | | | | | 14.0 | | 14.00 |
| boat shocker (night) | Largemouth Bass | 13.8 | 39.0 | 10.0 | 24.0 | | | | | | | 21.70 |
| | Smallmouth Bass | 0.0 | 1.0 | 1.0 | 0.0 | | | | | | | 0.50 |
| | Walleye* | 101.0 | 38.0 | 29.0 | 67.0 | | | | | | | 58.75 |
| frame net (std 3/4 in) | Black Bullhead | 0.0 | 0.0 | | 0.4 | 0.0 | 0.0 | | | | 0.0 | 0.07 |
| | Bluegill | 17.3 | 28.9 | | 21.1 | 11.6 | 7.7 | | | | 0.5 | 14.52 |
| | Largemouth Bass | 0.0 | 0.0 | | 0.0 | 0.1 | 0.0 | | | | 0.0 | 0.02 |
| | Northern Pike | 0.6 | 1.2 | | 2.1 | 3.0 | 0.7 | | | | 3.5 | 1.85 |
| | Rudd | 21.3 | 11.7 | | 9.6 | 78.4 | 1.5 | | | | 8.3 | 21.80 |
| | Smallmouth Bass | 0.0 | 0.0 | | 0.2 | 0.0 | 0.0 | | | | 0.3 | 0.08 |
| | Walleye | 1.0 | 1.1 | | 2.0 | 0.6 | 0.0 | | | | 7.0 | 1.95 |
| | White Sucker | 0.4 | 3.3 | | 0.3 | 0.3 | 0.3 | | | | 1.0 | 0.93 |
| | Yellow Perch | 0.0 | 0.2 | | 2.3 | 0.3 | 0.5 | | | | 0.0 | 0.55 |
| std exp gill net | Bluegill | 0.0 | 1.0 | | | | | | | | | 0.50 |
| | Gizzard Shad | 0.0 | 0.0 | | | | | | | | | 0.00 |
| | Northern Pike | 3.0 | 3.5 | | | | | | | | | 3.25 |

| | | CPUE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gear | Species | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | Avg |
| std exp gill net | Rudd | 25.5 | 18.5 | | | | | | | | | 22.00 |
| | Walleye | 4.0 | 20.0 | | | | | | | | | 12.00 |
| | White Sucker | 3.5 | 1.5 | | | | | | | | | 2.50 |
| | Yellow Perch | 3.5 | 11.5 | | | | | | | | | 7.50 |

## 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.

| | | | Year | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gear | Species | Index | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| AFS std frame net | Bluegill | PSD | | | 33 | | | | | | | |
| | | PSD-P | | | 13 | | | | | | | |
| | | Wr | | | 108 | | | | | | | |
| | Northern Pike | PSD | | | 0 | | | | | | | |
| | | PSD-P | | | 0 | | | | | | | |
| | | Wr | | | 82 | | | | | | | |
| | Rudd | PSD | | | 97 | | | | | | | |
| | | PSD-P | | | 53 | | | | | | | |
| | Smallmouth Bass | PSD | | | 0 | | | | | | | |
| | | PSD-P | | | 0 | | | | | | | |
| | Walleye | PSD | | | 67 | | | | | | | |
| | | PSD-P | | | 11 | | | | | | | |
| | | Wr | | | 82 | | | | | | | |
| | White Sucker | PSD | | | 100 | | | | | | | |
| | | PSD-P | | | 100 | | | | | | | |
| | | Wr | | | 95 | | | | | | | |
| | Yellow Perch | PSD | | | 25 | | | | | | | |
| | | PSD-P | | | 0 | | | | | | | |
| | | Wr | | | 92 | | | | | | | |
| AFS std gill net | Bluegill | PSD | | | 50 | 60 | 33 | | | | | |
| | | PSD-P | | | 0 | 20 | 0 | | | | | |
| | | Wr | | | 113 | 106 | 106 | | | | | |
| | Largemouth Bass | PSD | | | | | | 100 | | | | |
| | | PSD-P | | | | | | 0 | | | | |
| | | Wr | | | | | | 105 | | | | |
| | Northern Pike | PSD | | | 39 | 55 | 50 | 84 | | | | |
| | | PSD-P | | | 6 | 0 | 0 | 12 | | | | |
| | | Wr | | | 87 | 80 | 92 | 79 | | | | |
| | Rudd | PSD | | | 100 | 100 | 100 | 62 | | | | |
| | | PSD-P | | | 67 | 100 | 67 | 50 | | | | |
| | Smallmouth Bass | PSD | | | | | | 100 | | | | |
| | | PSD-P | | | | | | 100 | | | | |
| | | Wr | | | | | | 95 | | | | |

| | | | Year | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gear | Species | Index | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| AFS std gill net | Walleye | PSD | | | 69 | 84 | 77 | 75 | | | | |
| | | PSD-P | | | 14 | 6 | 17 | 25 | | | | |
| | | Wr | | | 80 | 82 | 86 | 82 | | | | |
| | White Sucker | PSD | | | 100 | 100 | 100 | 100 | | | | |
| | | PSD-P | | | 83 | 100 | 100 | 100 | | | | |
| | | Wr | | | 100 | 100 | 108 | 108 | | | | |
| | Yellow Perch | PSD | | | 2 | 14 | 50 | 21 | | | | |
| | | PSD-P | | | 0 | 14 | 0 | 13 | | | | |
| | | Wr | | | 93 | 102 | 87 | 94 | | | | |
| boat shocker (day) | Largemouth Bass | PSD | | | | | | | | | 27 | |
| | | PSD-P | | | | | | | | | 0 | |
| | | Wr | | | | | | | | | 117 | |
| | Smallmouth Bass | PSD | | | | | | | | | 50 | |
| | | PSD-P | | | | | | | | | 10 | |
| | | Wr | | | | | | | | | 105 | |
| | Walleye | PSD | | | | | | | | | 93 | |
| | | PSD-P | | | | | | | | | 36 | |
| | | Wr | | | | | | | | | 87 | |
| boat shocker (night) | Largemouth Bass | PSD | 71 | 33 | 80 | 92 | | | | | | |
| | | PSD-P | 36 | 10 | 20 | 67 | | | | | | |
| | | Wr | 115 | 117 | 119 | 110 | | | | | | |
| | Smallmouth Bass | PSD | | 0 | 100 | | | | | | | |
| | | PSD-P | | 0 | 0 | | | | | | | |
| | | Wr | | 135 | 117 | | | | | | | |
| | Walleye | PSD | 42 | 42 | 75 | 80 | | | | | | |
| | | PSD-P | 1 | 4 | 25 | 40 | | | | | | |
| | | Wr | 86 | 99 | 97 | 92 | | | | | | |
| frame net (std 3/4 in) | Bluegill | PSD | 41 | 76 | | 45 | 68 | 26 | | | | 100 |
| | | PSD-P | 7 | 8 | | 19 | 32 | 2 | | | | 100 |
| | | Wr | 113 | 116 | | 110 | 108 | 108 | | | | 105 |
| | Largemouth Bass | PSD | | | | | 100 | | | | | |
| | | PSD-P | | | | | 100 | | | | | |
| | | Wr | | | | | 114 | | | | | |
| | Northern Pike | PSD | 20 | 17 | | 67 | 75 | 100 | | | | 86 |
| | | PSD-P | 20 | 0 | | 5 | 21 | 25 | | | | 21 |
| | | Wr | 77 | 86 | | 85 | 91 | 81 | | | | 84 |

| | | | Year | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gear | Species | Index | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| frame net (std 3/4 in) | Rudd | PSD | 98 | 77 | | 100 | 100 | 100 | | | | 100 |
| | | PSD-P | 65 | 62 | | 77 | 84 | 78 | | | | 100 |
| | Smallmouth Bass | PSD | | | | 50 | | 0 | | | | 100 |
| | | PSD-P | | | | 0 | | 0 | | | | 100 |
| | | Wr | | | | 91 | | | | | | 108 |
| | Walleye | PSD | 75 | 64 | | 65 | 80 | 0 | | | | 100 |
| | | PSD-P | 13 | 9 | | 20 | 40 | 0 | | | | 75 |
| | | Wr | 80 | 80 | | 83 | 86 | | | | | 80 |
| | White Sucker | PSD | 100 | 100 | | 100 | 100 | 100 | | | | 100 |
| | | PSD-P | 100 | 100 | | 100 | 100 | 100 | | | | 100 |
| | | Wr | 89 | 94 | | 87 | 92 | 88 | | | | 89 |
| | Yellow Perch | PSD | | 0 | | 30 | 100 | 67 | | | | |
| | | PSD-P | | 0 | | 26 | 50 | 0 | | | | |
| | | Wr | | 90 | | 93 | 90 | 88 | | | | |
| std exp gill net | Bluegill | PSD | | 100 | | | | | | | | |
| | | PSD-P | | 0 | | | | | | | | |
| | | Wr | | 125 | | | | | | | | |
| | Northern Pike | PSD | 17 | 14 | | | | | | | | |
| | | PSD-P | 17 | 0 | | | | | | | | |
| | | Wr | 78 | 83 | | | | | | | | |
| | Rudd | PSD | 78 | 81 | | | | | | | | |
| | | PSD-P | 27 | 57 | | | | | | | | |
| | Walleye | PSD | 75 | 50 | | | | | | | | |
| | | PSD-P | 13 | 10 | | | | | | | | |
| | | Wr | 81 | 84 | | | | | | | | |
| | White Sucker | PSD | 100 | 100 | | | | | | | | |
| | | PSD-P | 100 | 100 | | | | | | | | |
| | | Wr | 99 | 94 | | | | | | | | |
| | Yellow Perch | PSD | 0 | 52 | | | | | | | | |
| | | PSD-P | 0 | 0 | | | | | | | | |
| | | Wr | 98 | 98 | | | | | | | | |

## Length at Capture

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

Species: Largemouth Bass

| | | Mean Length (expanded sample number) at capture by age | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ |
| 2015 | 18 | 219 (10) | | 349 (8) | | | | | | | |

Species: Walleye

| | | Mean Length (expanded sample number) at capture by age | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ |
| 2020 | 18 | | 250 (5) | 332 (2) | 400 (3) | 451 (2) | 488 (1) | 507 (3) | 535 (1) | | 664 (1) |
| 2019 | 31 | 169 (2) | 318 (6) | 376 (1) | 441 (8) | 481 (8) | 494 (1) | | 595 (1) | 566 (1) | 617 (3) |
| 2018 | 30 | | 290 (1) | 372 (8) | 408 (7) | 456 (6) | 445 (2) | 452 (1) | 428 (1) | 507 (4) | 596 (1) |
| 2017 | 36 | 221 (1) | 306 (3) | 371 (10) | 400 (10) | 455 (2) | | 512 (5) | 449 (2) | 533 (2) | 517 (1) |
| 2016 | 84 | 212 (4) | 282 (10) | 346 (28) | 380 (12) | 410 (2) | 456 (6) | 454 (14) | 489 (8) | | |
| 2015 | 16 | | | 364 (4) | 421 (2) | | 457 (6) | 401 (2) | 551 (2) | | |

## Fish Condition

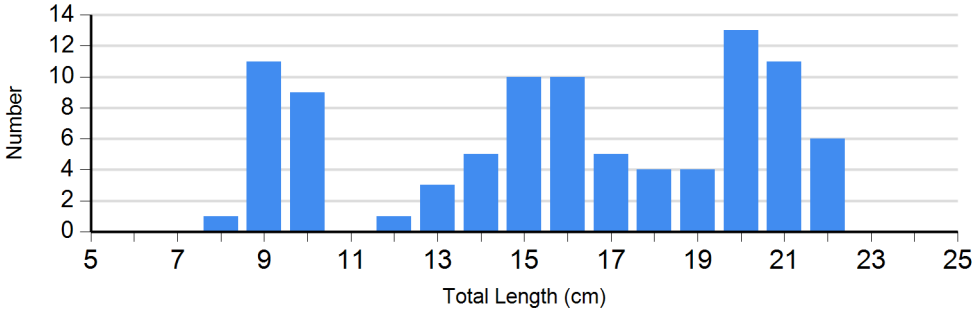
Mean relative weight (Wr) by sample size (N), length category stock to quality (S-Q), quality to preferred (Q-P), preferred to memorable (P-M), and memorable (M) for species collected across survey years with standard error (SE).

| | | Length Groups | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | S-Q | | Q-P | | P-M | | M | |
| Species | Year | N | Wr (SE) | N | Wr (SE) | N | Wr (SE) | N | Wr (SE) |
| Bluegill<br>Frame Net | 2020 | 34 | 107<br>(1.7) | 11 | 109<br>(2.3) | 1 | 99 | 0 | |
| | 2024 | 0 | | 0 | | 2 | 105<br>(11.6) | 0 | |
| Largemouth Bass<br>Electro Fishing | 2023 | 16 | 115<br>(2.7) | 6 | 125<br>(6.1) | 0 | | 0 | |
| Northern Pike<br>Gill Net | 2020 | 4 | 80<br>(2.1) | 18 | 78<br>(1.3) | 3 | 85<br>(5.6) | 0 | |
| Smallmouth Bass<br>Electro Fishing | 2023 | 5 | 107<br>(4.7) | 4 | 98<br>(5.3) | 1 | 124 | 0 | |
| Walleye<br>Gill Net | 2020 | 4 | 80<br>(1.6) | 8 | 84<br>(2.3) | 3 | 86<br>(6.1) | 1 | 70 |
| White Sucker<br>Gill Net | 2020 | 0 | | 0 | | 0 | | 3 | 108<br>(4.8) |
| Yellow Perch<br>Gill Net | 2020 | 19 | 97<br>(1.7) | 2 | 93<br>(3.1) | 1 | 82 | 2 | 77<br>(7.8) |

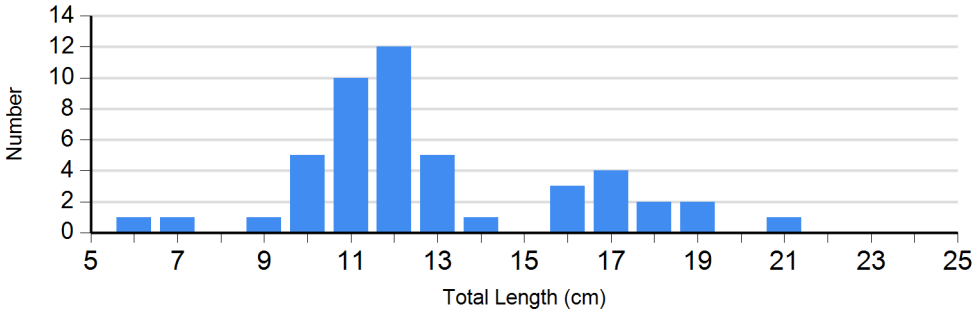
## Length Frequency Distribution

Length frequency histogram of species sampled by year.

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

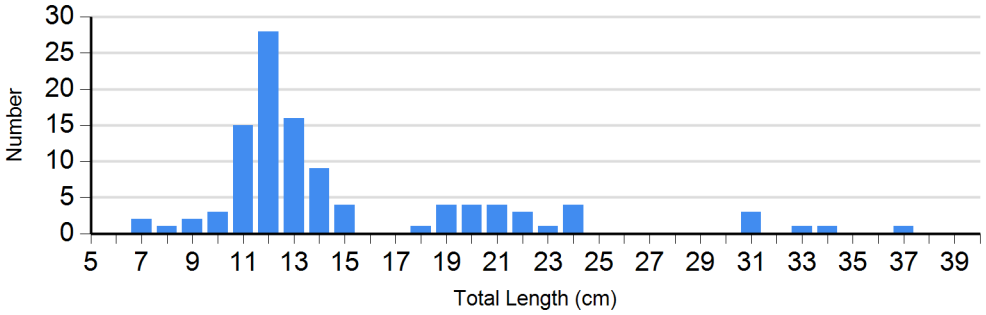



2019



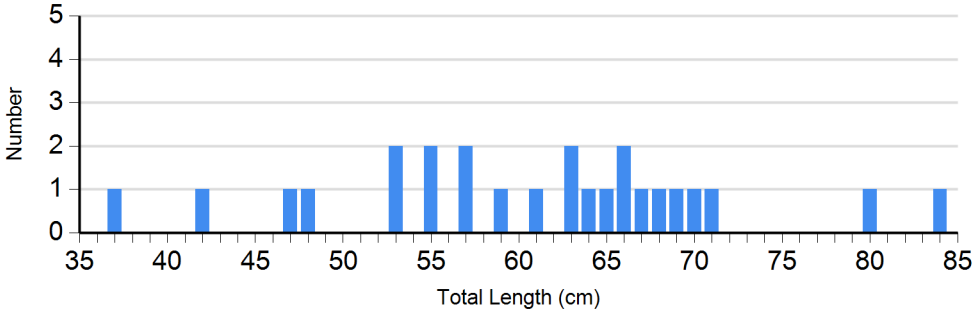

2020

Species: Largemouth Bass
Gear: boat shocker (day)



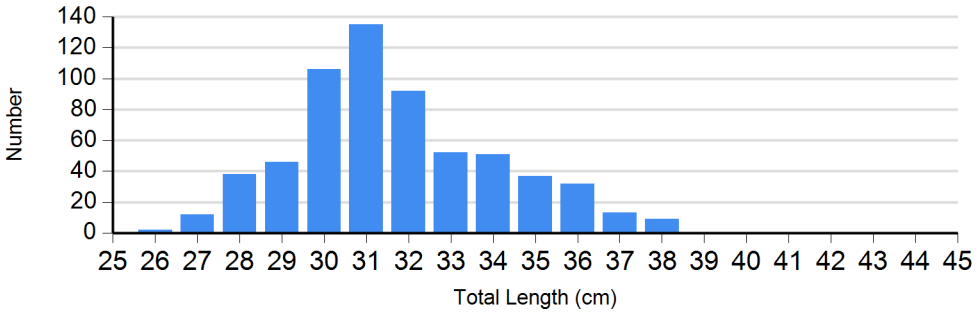

2023

Species: Northern Pike
Gear: AFS std gill net

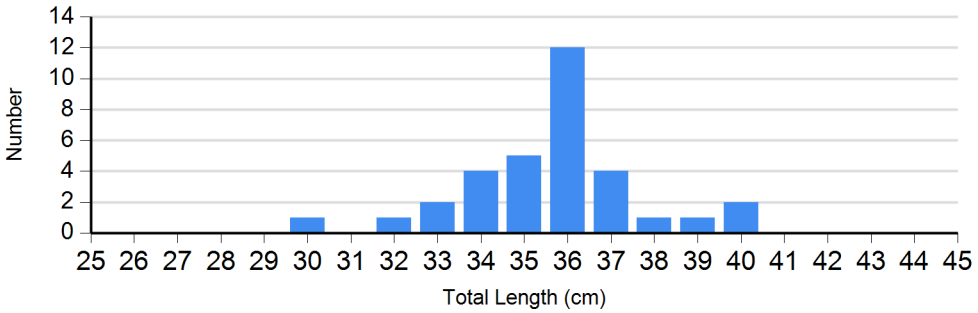



2020

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

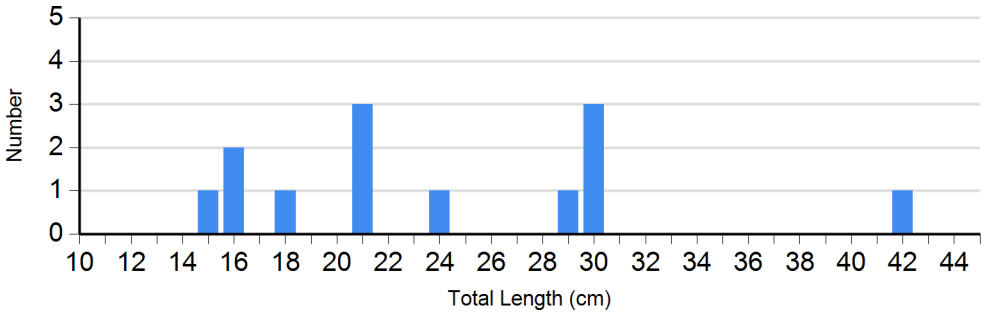



2019



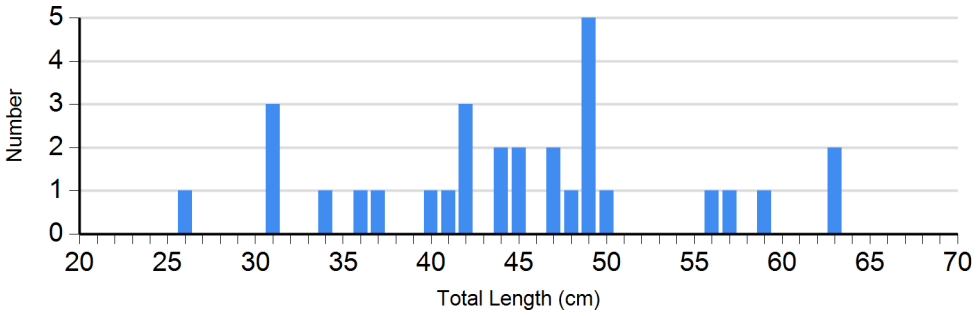

2024

Species: Smallmouth Bass
Gear: boat shocker (day)

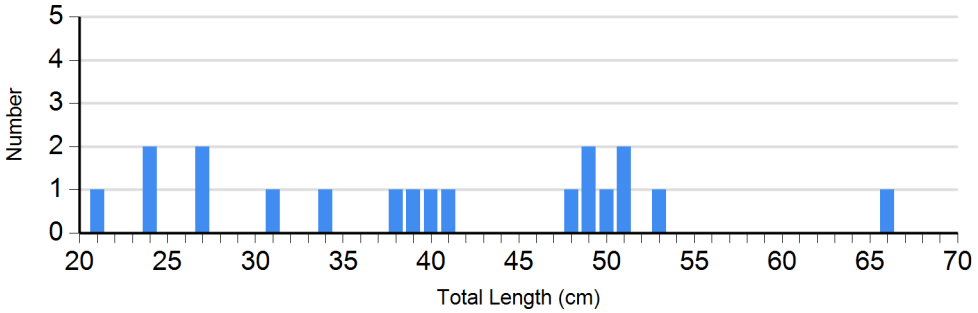



2023

Species: Walleye
Gear: AFS std gill net

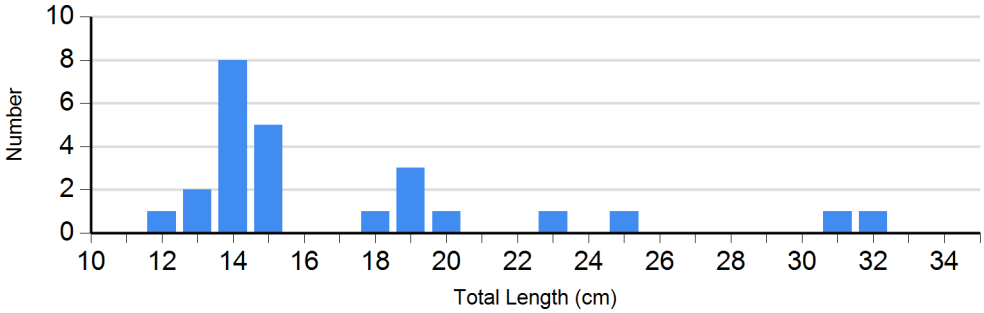



2019




2020

Species: Yellow Perch
Gear: AFS std gill net

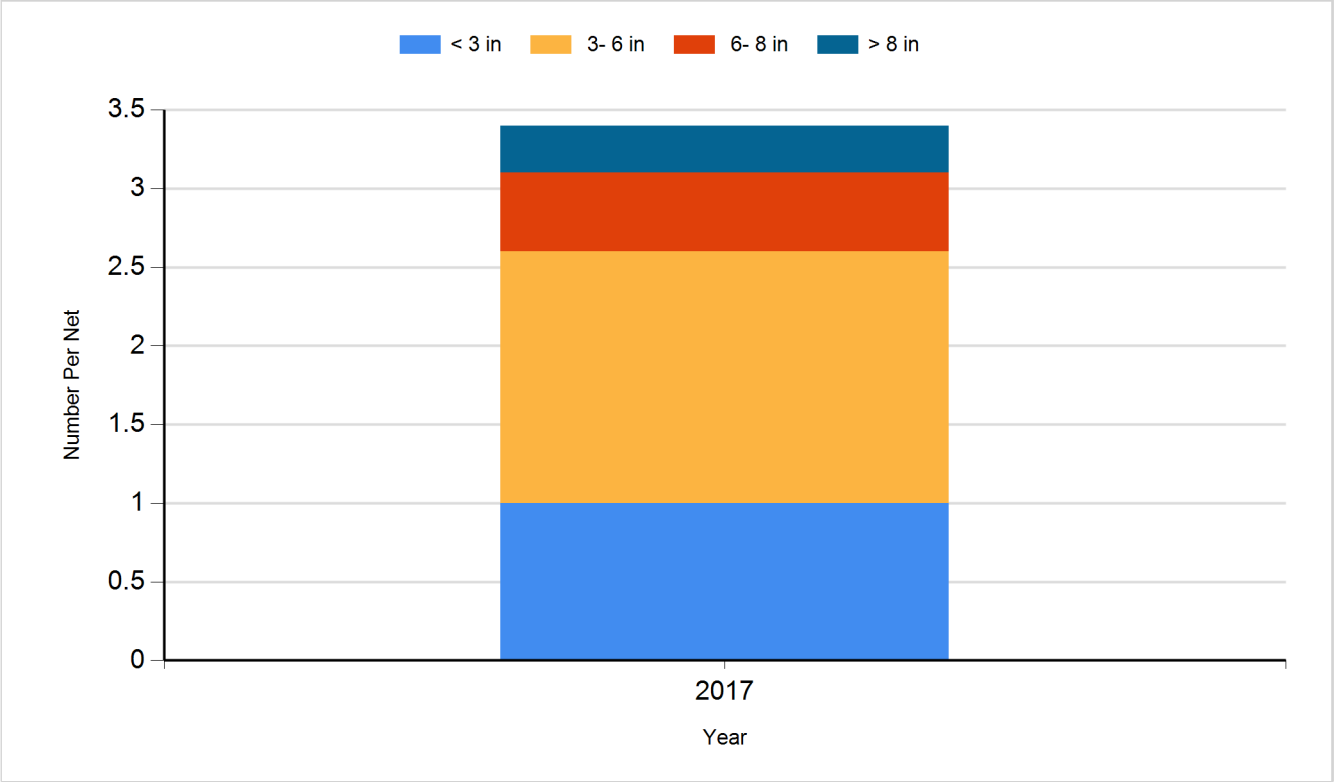



2020

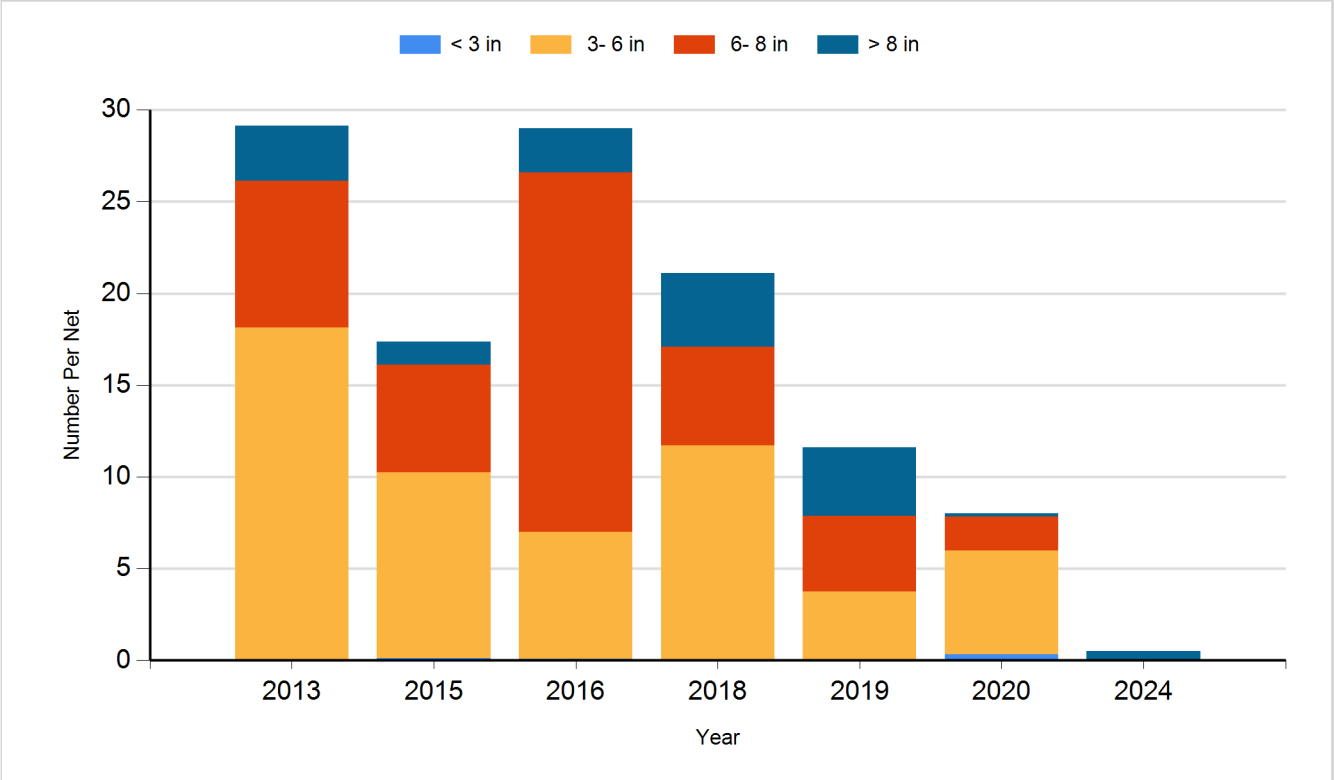
## Historic Fish Sizes and Relative Abundance

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

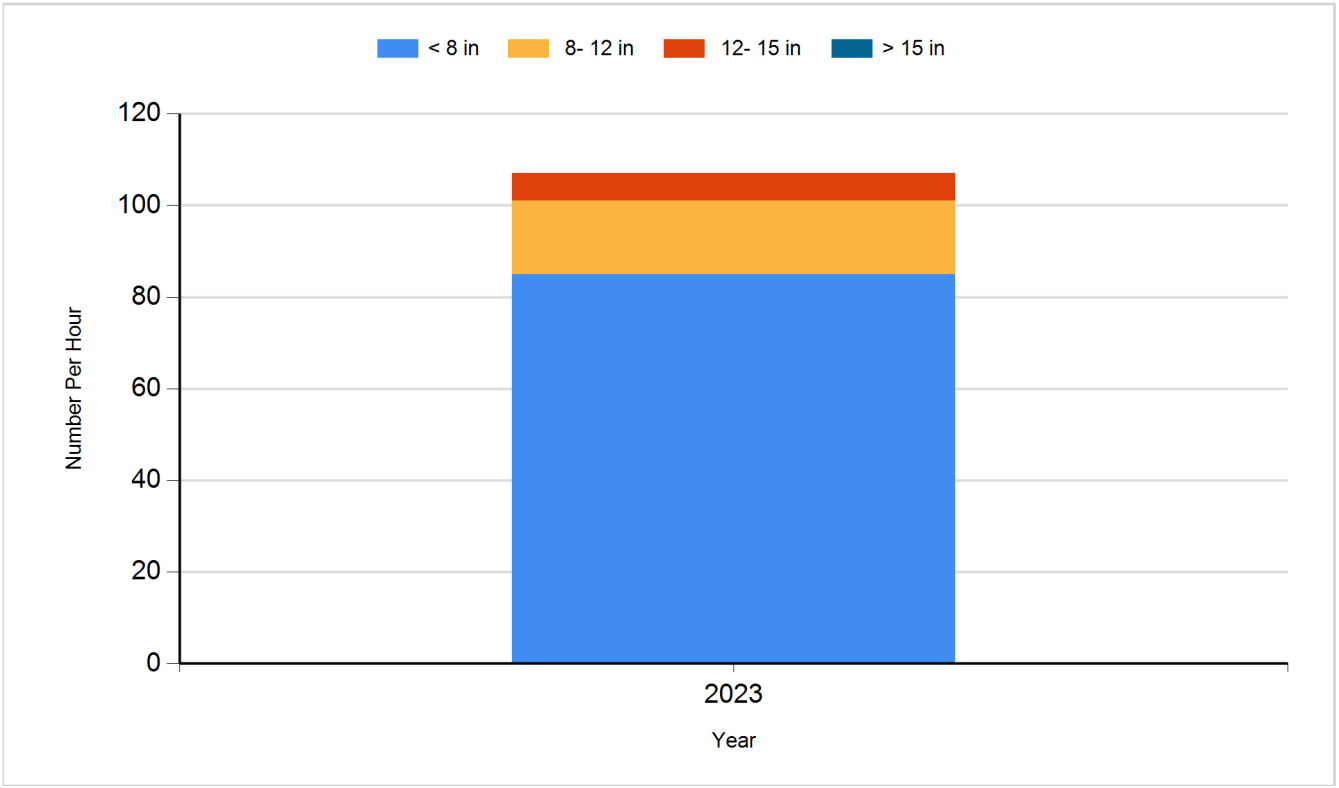
Species: Bluegill
Gear: AFS std frame net



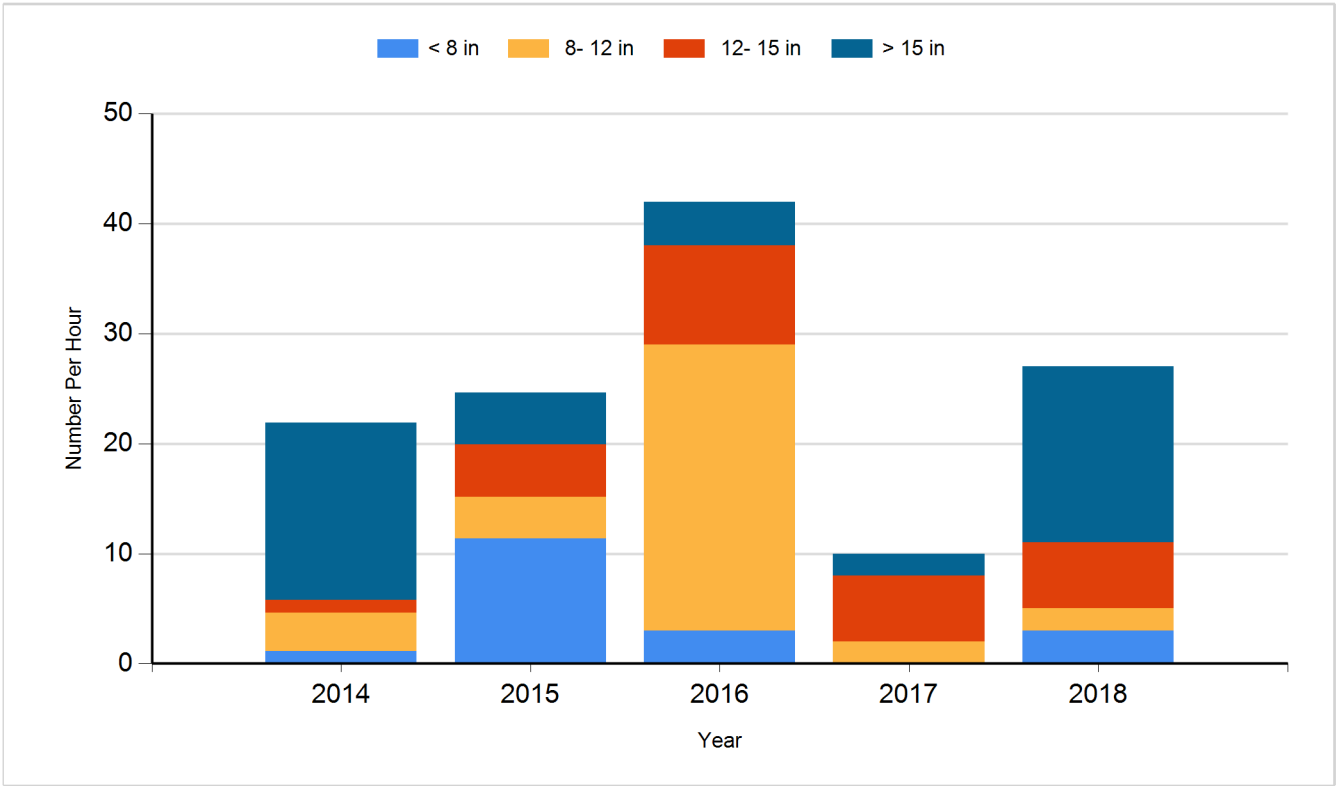

Species: Bluegill
Gear: frame net (std 3/4 in)



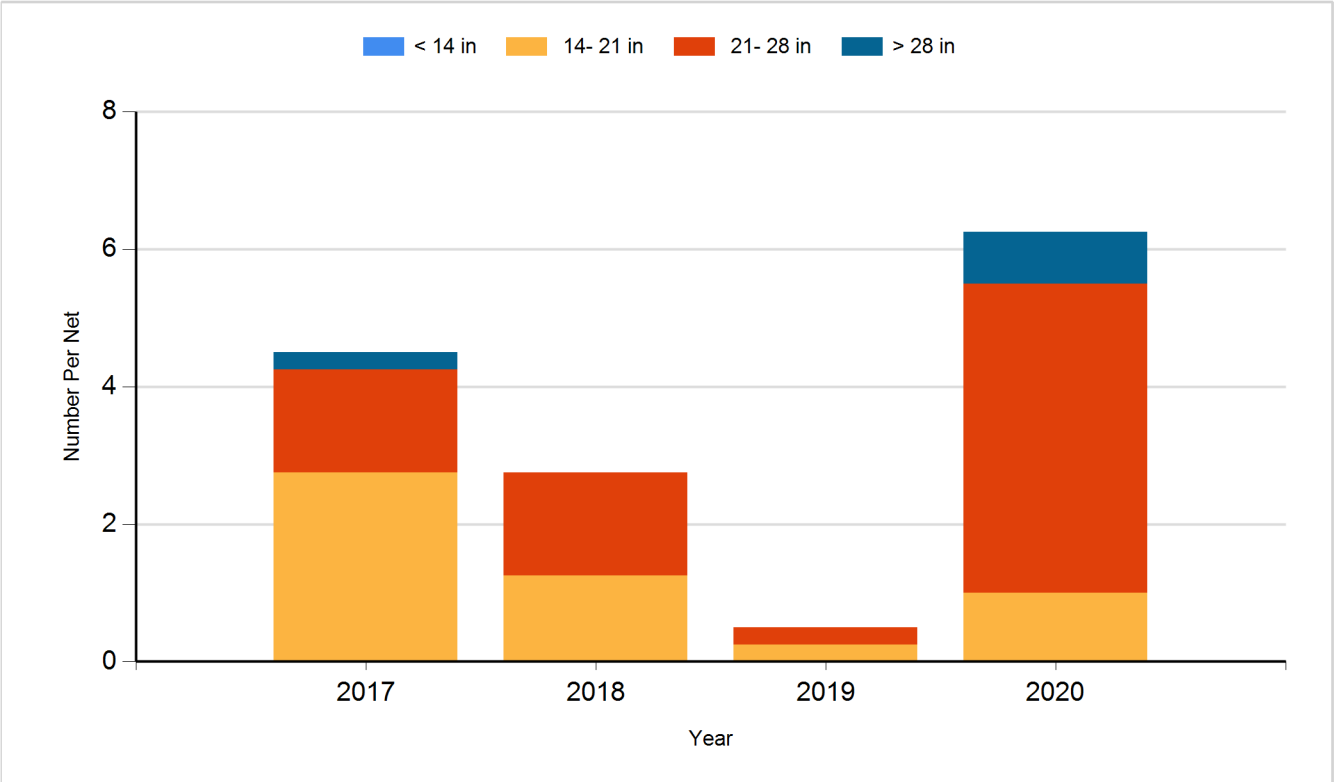
Species: Largemouth Bass
Gear: boat shocker (day)



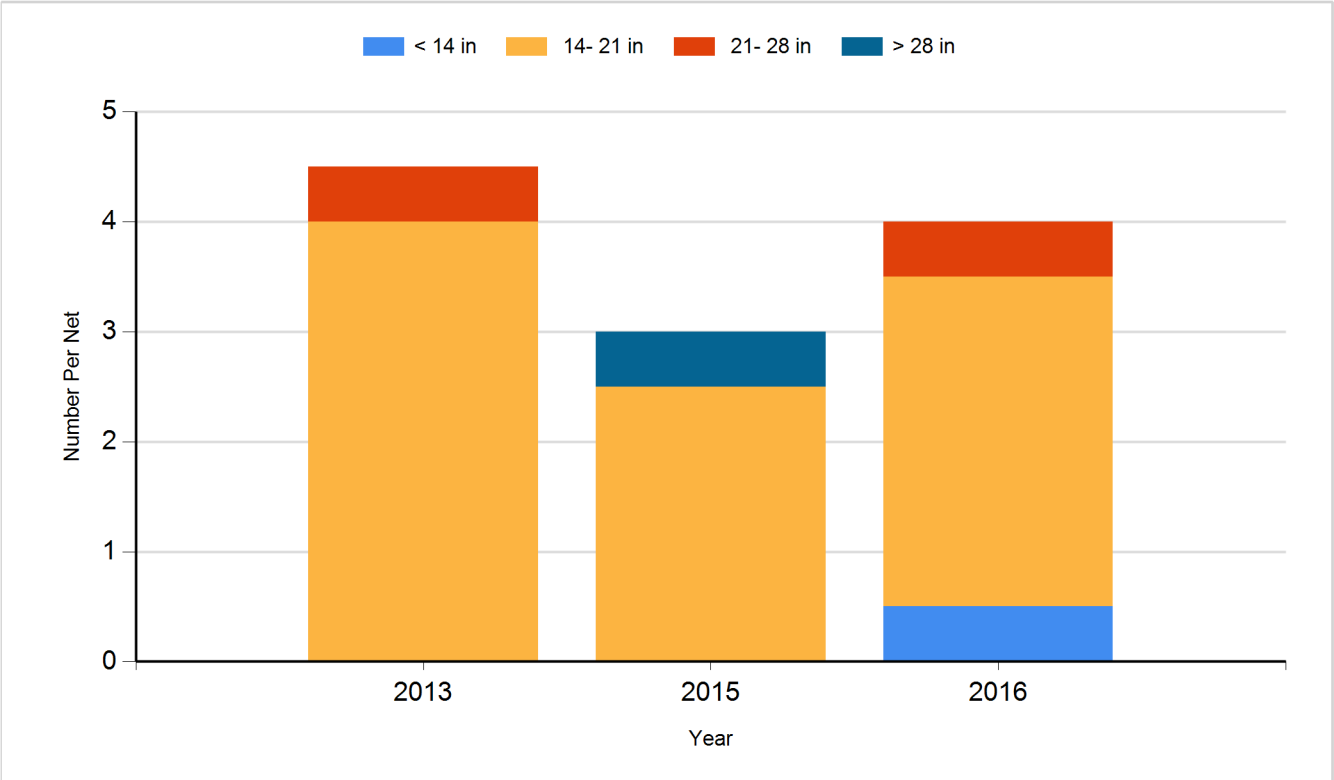

Species: Largemouth Bass
Gear: boat shocker (night)



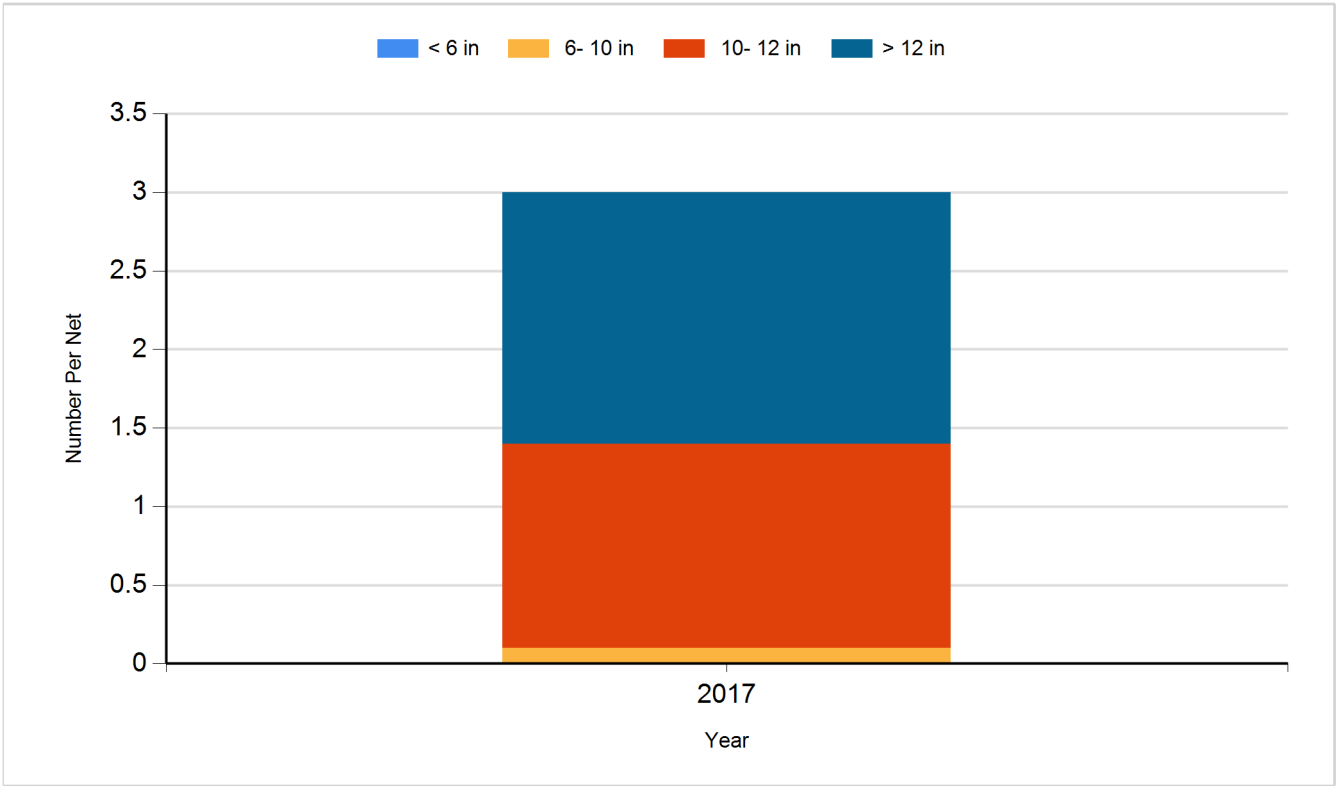
Species: Northern Pike
Gear: AFS std gill net



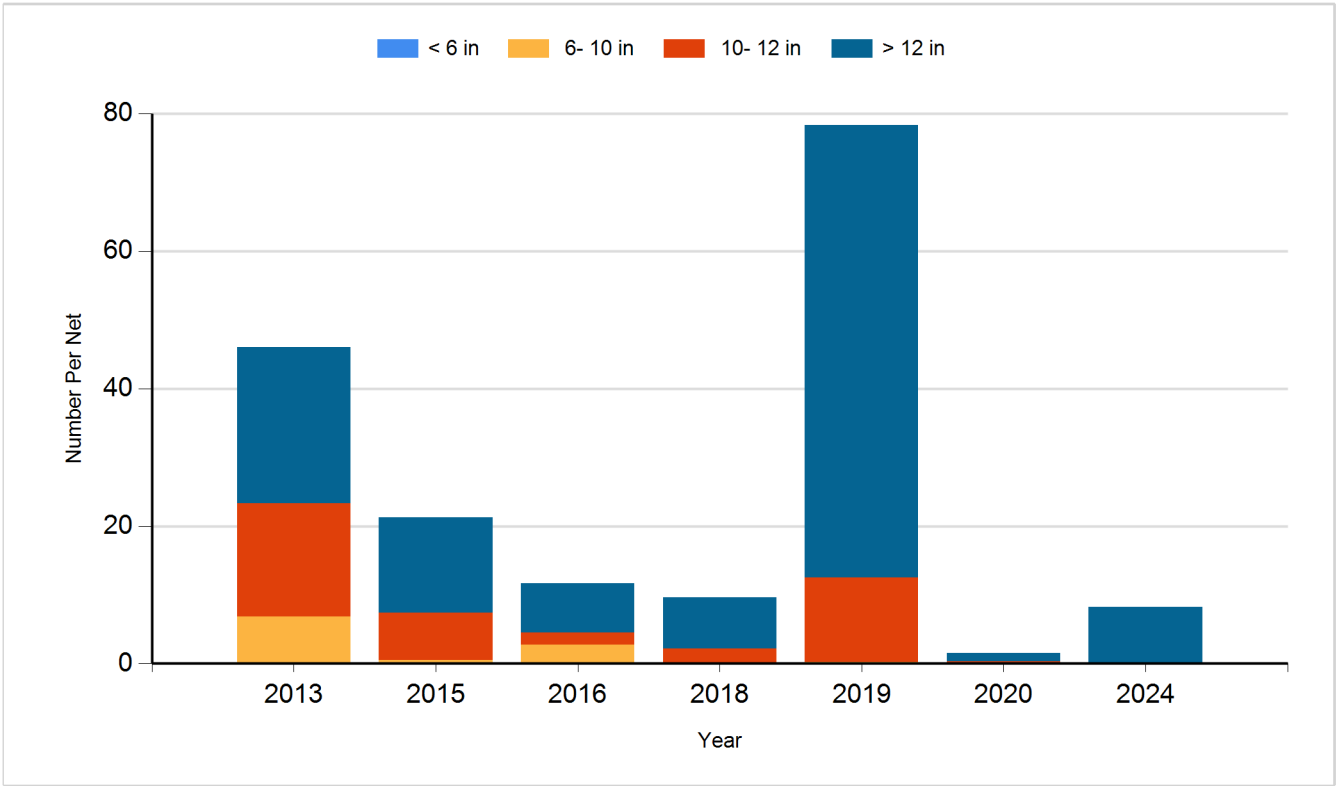

Species: Northern Pike
Gear: std exp gill net



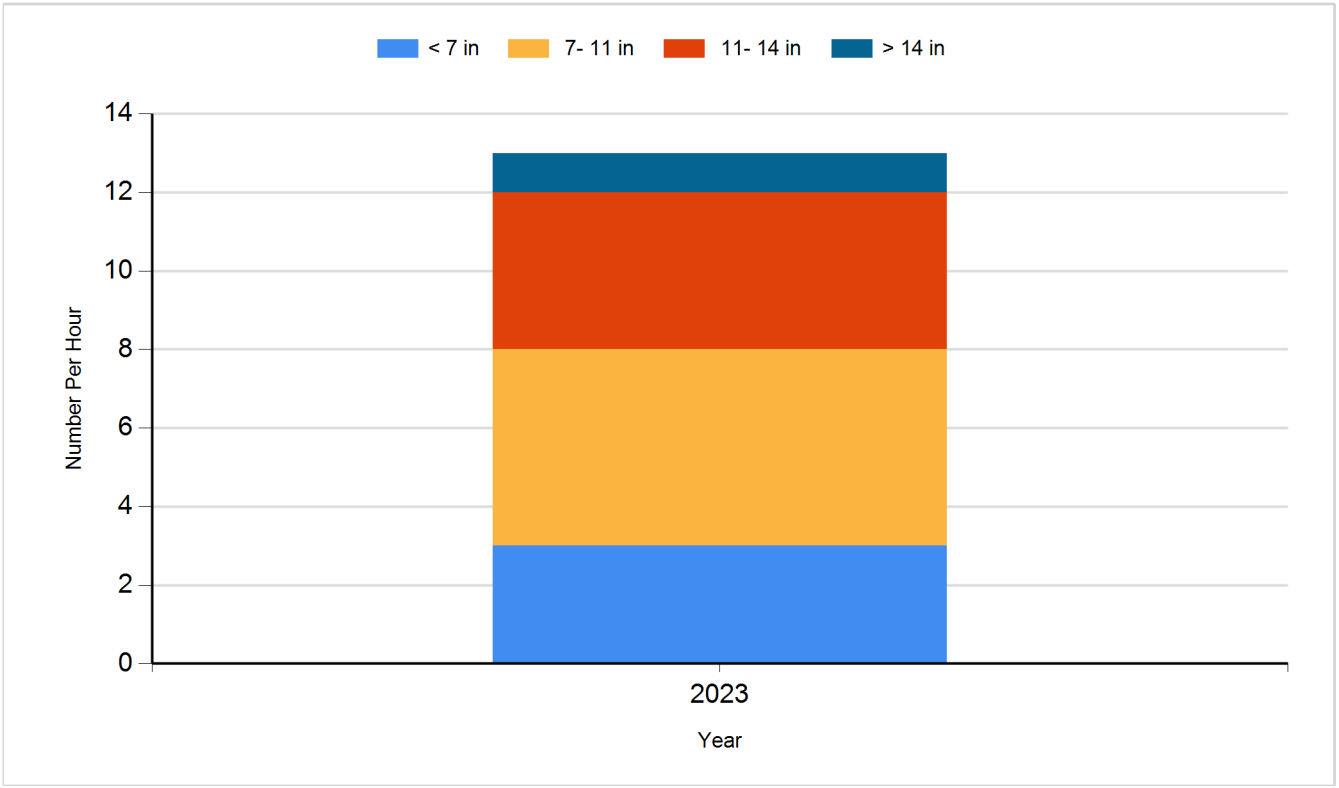
Species: Rudd
Gear: AFS std frame net



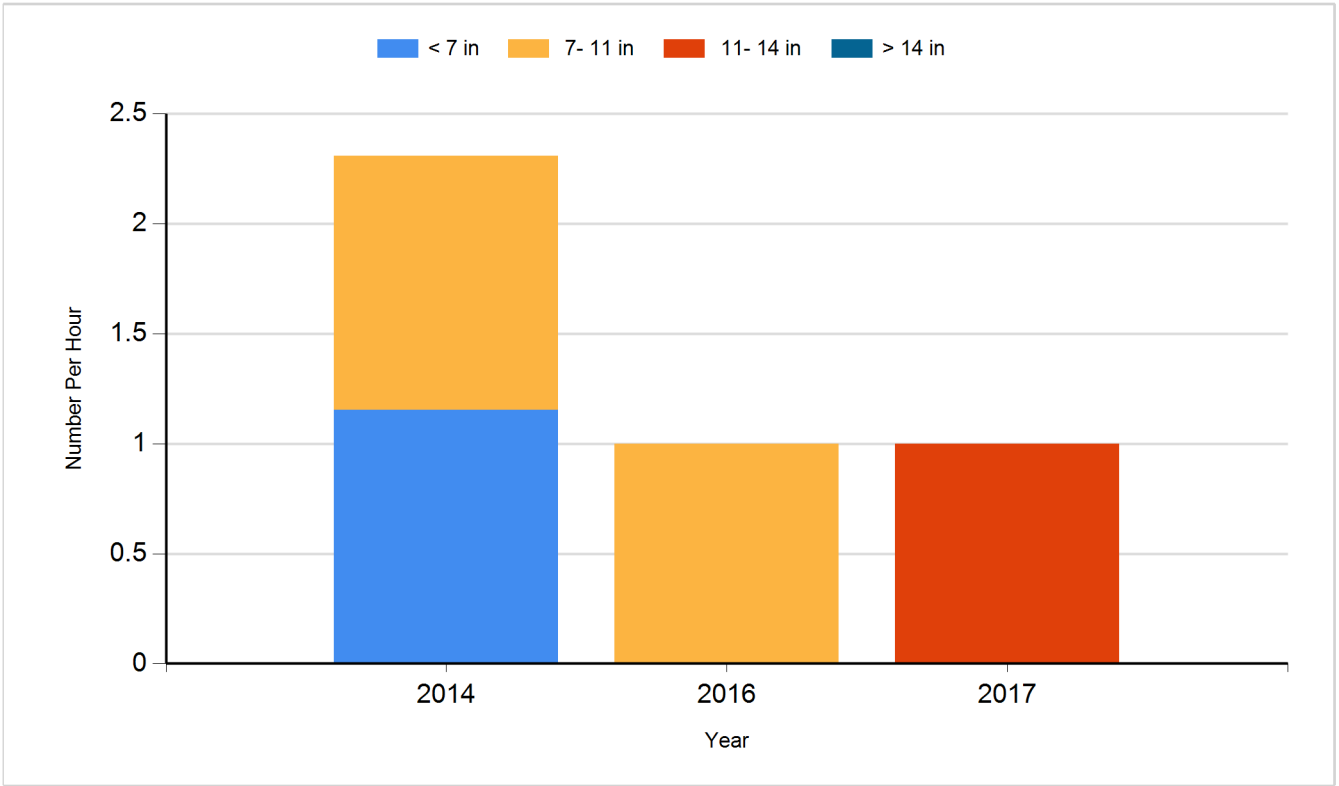

Species: Rudd
Gear: frame net (std 3/4 in)



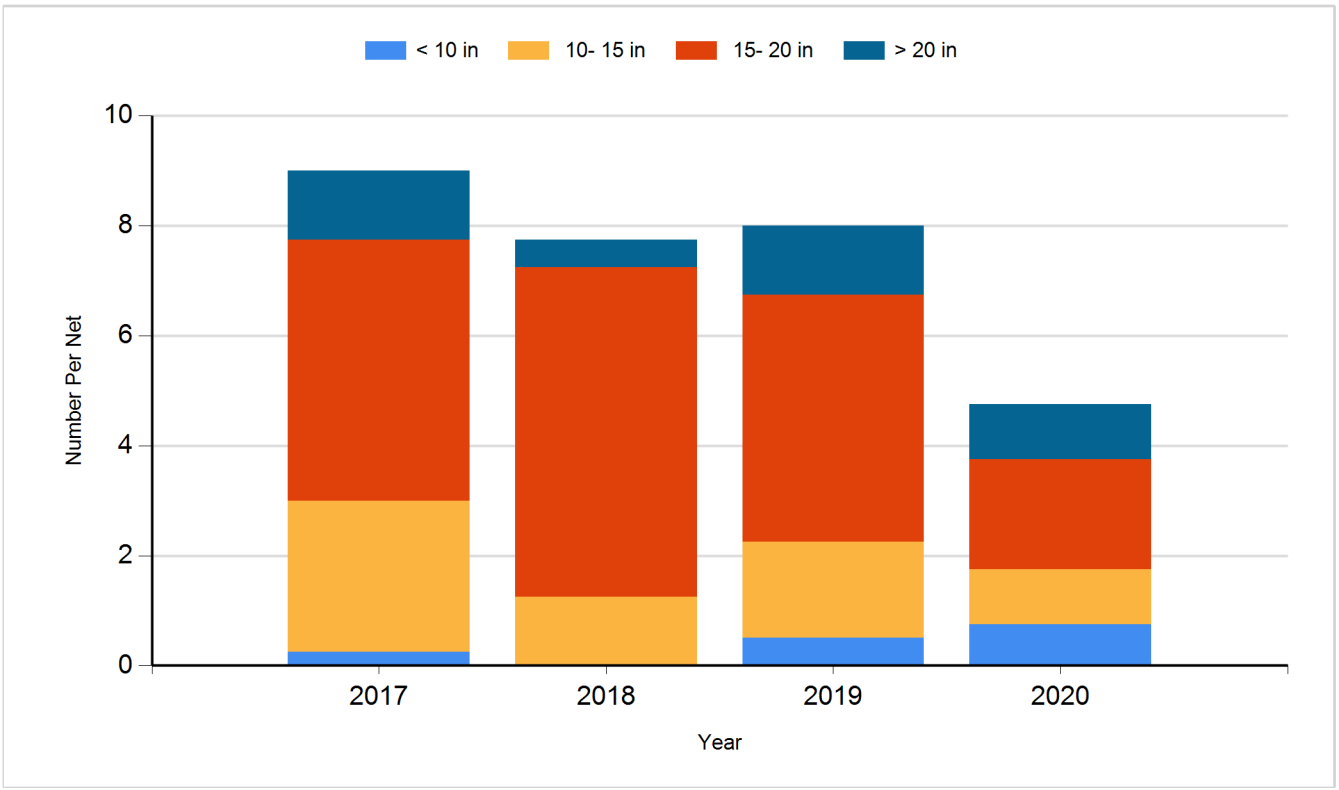
Species: Smallmouth Bass
Gear: boat shocker (day)



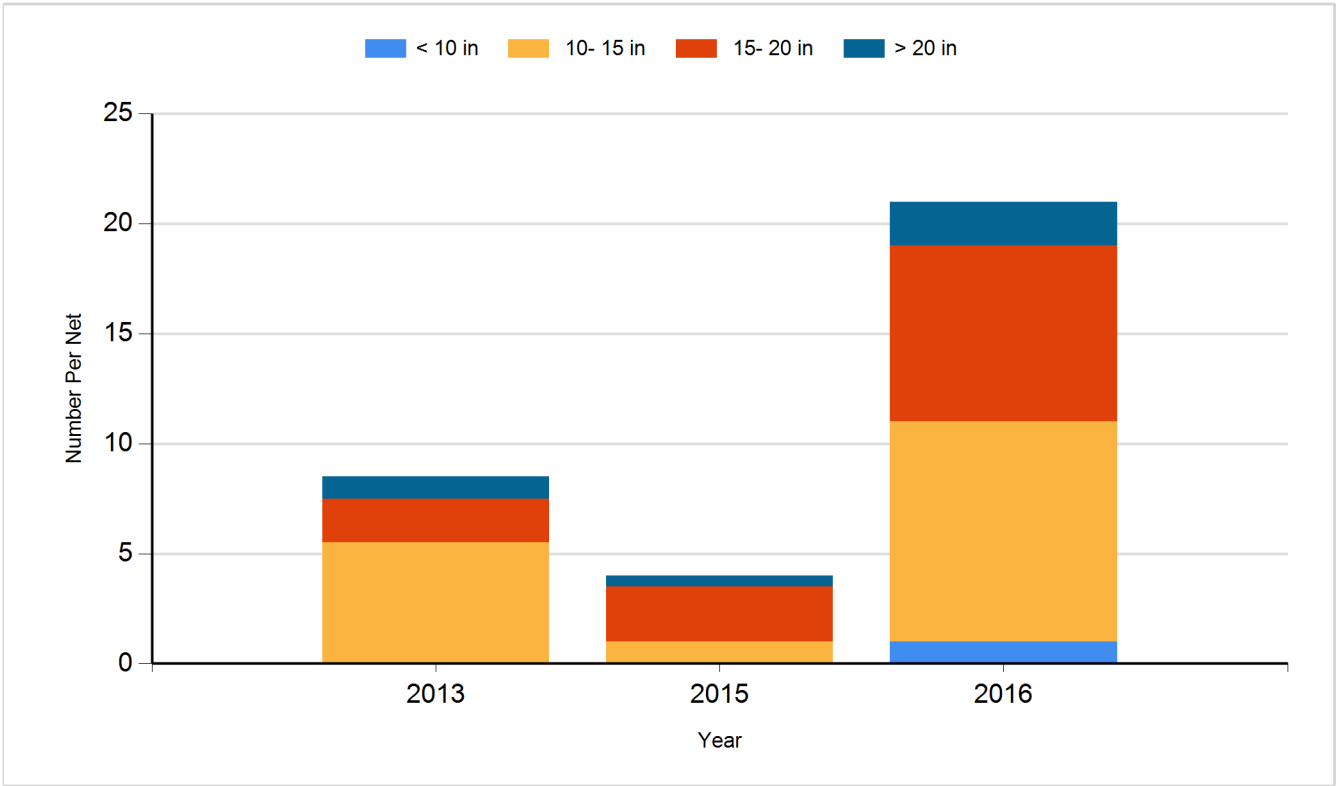

Species: Smallmouth Bass
Gear: boat shocker (night)



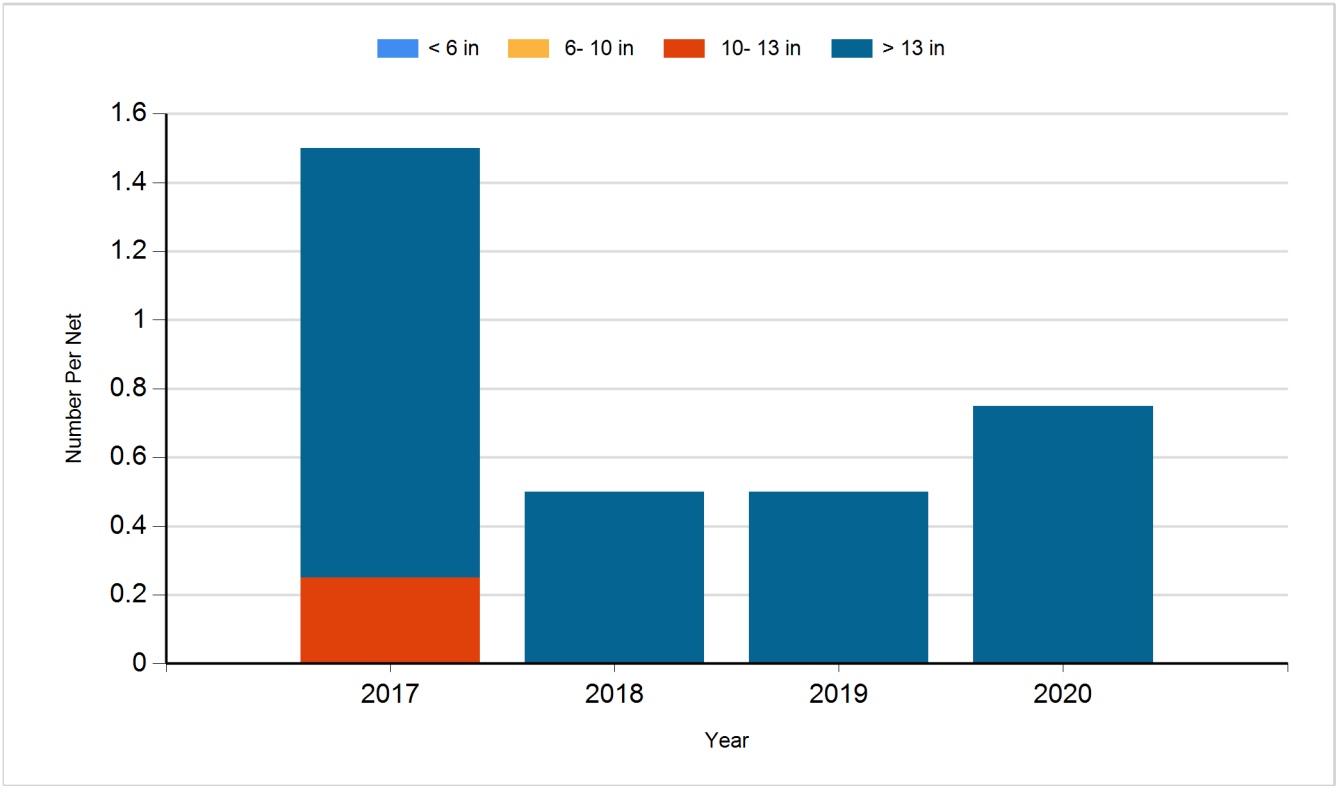
Species: Walleye
Gear: AFS std gill net



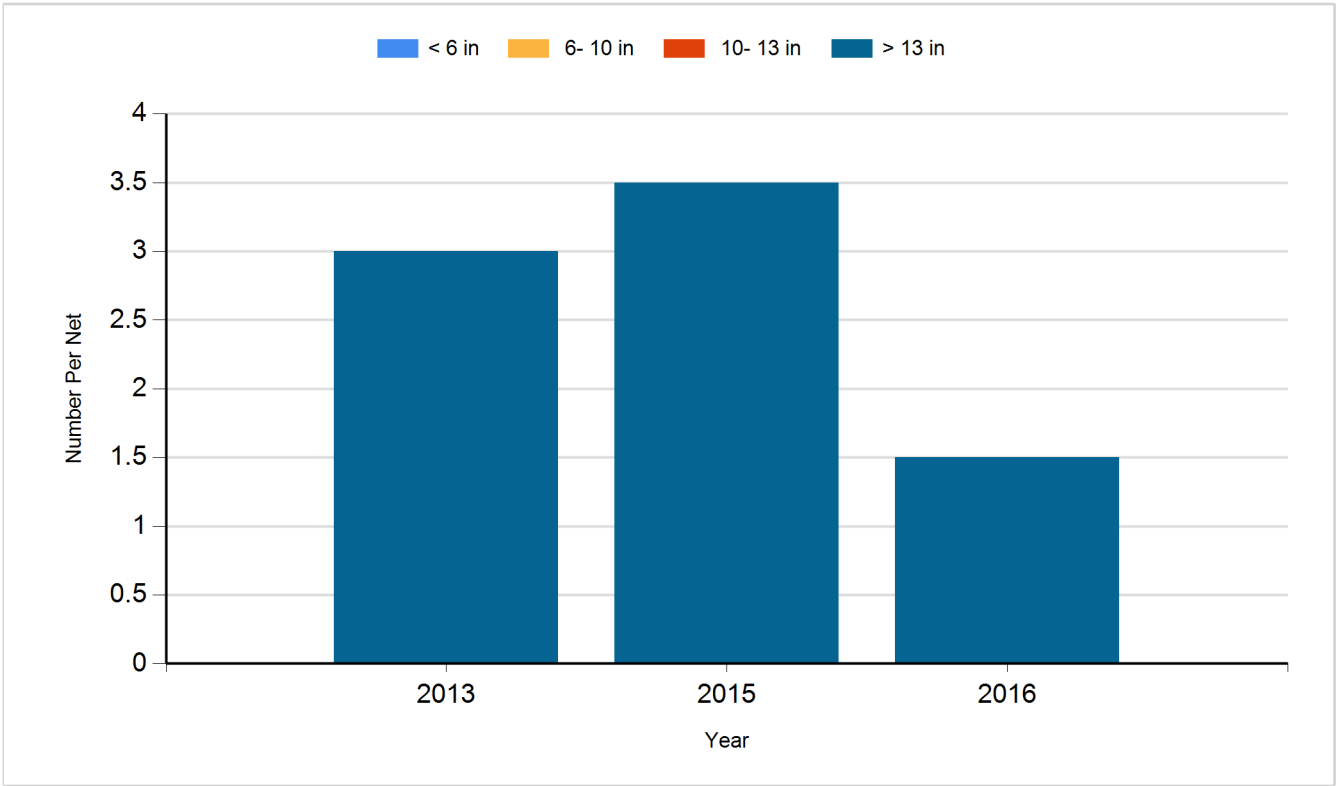

Species: Walleye
Gear: std exp gill net



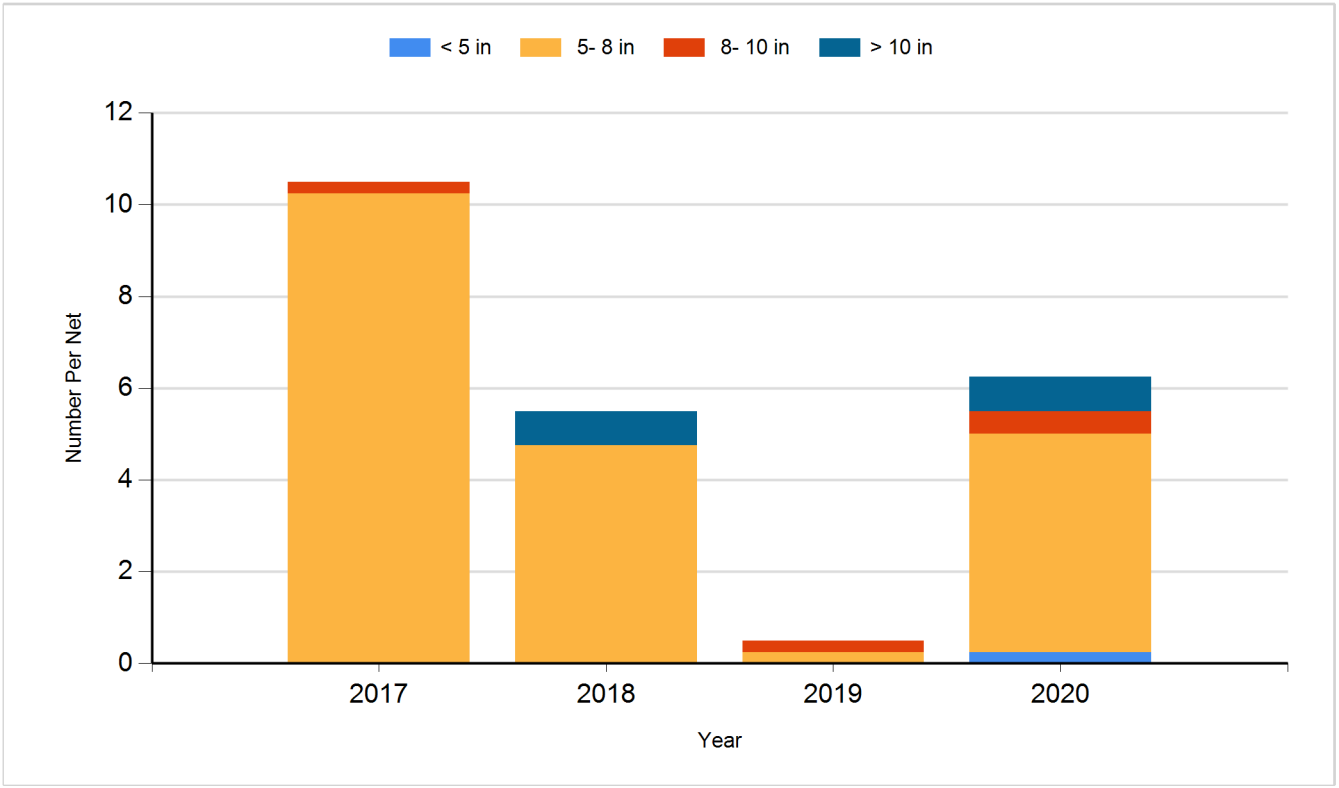
Species: White Sucker
Gear: AFS std gill net



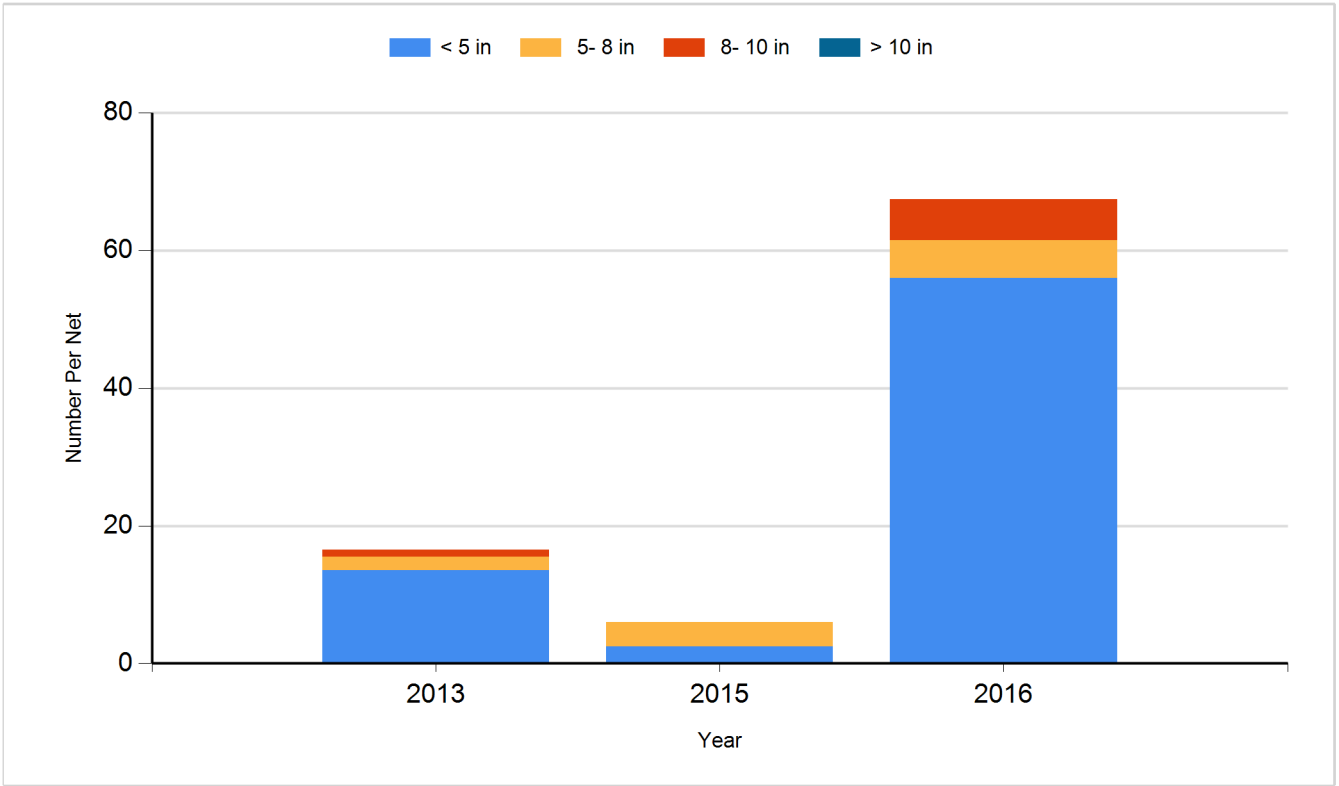

Species: White Sucker
Gear: std exp gill net



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 |
|---|---|---|---|
| 2013 | Largemouth Bass | Fingerling | 11,970 |
| 2014 | Largemouth Bass | Juvenile | 750 |
| 2015 | Largemouth Bass | Adult | 230 |
| 2015 | Largemouth Bass | Fingerling | 3,690 |
| 2016 | Gizzard Shad | Adult | 37 |
| 2016 | Largemouth Bass | Adult | 424 |
| 2017 | Gizzard Shad | Adult | 125 |
| 2018 | Gizzard Shad | Adult | 76 |
| 2019 | Gizzard Shad | Adult | 61 |
| 2024 | Walleye | Fry | 368,500 |
| 2024 | Yellow Perch | Adult | 700 |