Lake Hanson (Hanson) Survey Summary

Lake Hanson, located 2 miles south of Alexandria, SD, is managed as a crappie and saugeye fishery; other fish species (e.g., bluegill, channel catfish, and green sunfish) are also present.

- Black crappie. Black crappie abundance increased to a 10 year high in 2024 (CPUE = 13.0 fish per frame net). Catches were higher than both the previous sample year (CPUE = 9.2 fish per net in 2022) and the long term mean (CPUE = 6.0 fish per net). Netted fish ranged from 3.9 to 13.0 inches in length with approximately 38% measuring >8 inches. A fair proportion also measured in the preferred (>10 inch) and memorable (>12 inch) length categories (12 and 17% of sample, respectively). An average relative weight score of 90 indicated that sampled fish were in good condition. Fisheries staff did detect a major crappie die off later in the summer of 2024. Additional sampling produced some black crappies but at a much reduced catch rate.
- White crappie. Frame netting efforts produced a catch rate of 10.4 white crappie per net in 2024. Relative abundance was significantly higher than the previous sample year (CPUE = 2.6 fish per net in 2022) and long term mean (CPUE = 5.5 fish per net). Sampled fish ranged from 3.5 to 13.8 inches in length with approximately 44% measuring >8 inches. Preferred (>10 inches) and memorable (>12 inches) length white crappie also represented a considerable proportion of catches (13 and 19%, respectively). Similar to black crappies, the white crappie population experienced a significant die off event later in the summer. Abundances are now likely much lower than these survey results indicate.
- Saugeye. Gill netting efforts produced a catch rate of 1.8 saugeye per net in 2024. Sampled fish ranged from 16.1 to 18.3 inches in length. Age 2 (2022 year class) saugeye dominated catches comprising 86% of the sample. This cohort (age 2) had a mean length of 17.2 inches indicating excellent growth. Fisheries staff began stocking saugeye into Lake Hanson in 2022 to provide an additional option for anglers.

For more detailed results see the computer-generated South Dakota Statewide Fisheries Survey for Lake Hanson (below).

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Hanson, Hanson County

LJA-Lake-425-000

2024

Lake Information

| Name: | Hanson | Maximum Depth: | 15 Feet |
|--------------------|------------------|----------------|---------|
| County: | Hanson | Mean Depth: | 6 Feet |
| Legal Description: | T102-R58-Sec. 21 | | |
| Surface Area: | 59 Acres | | |

Surveys and Investigations

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

| Gear | Date | Effort | |
|------------------------|--------------|--------------|--|
| AFS std gill net | Jun 18, 2024 | 4 net-nights | |
| frame net (std 3/4 in) | Jun 18, 2024 | 5 net-nights | |

Common Fish Species Present

Walleye Black Bullhead Black Crappie White Crappie Bluegill Saugeye Channel Catfish Common Carp Northern Pike 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.

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

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.

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

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

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.

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

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).

| | St | 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

| | | | Abuno | dance | St | ock Der | sity Indic | es | Condition | |
|--------------------|-----------------|--------------------|-------|-------|-----|---------|------------|-------|-----------|-------|
| Gear | Species | Sample Size (n) | CPUE | CI-80 | PSD | CI-80 | PSD-P | CI-80 | Wr | CI-80 |
| AFS std gill net | Black Bullhead | 5 | 1.3 | 1.0 | 80 | | 0 | | | |
| | Black Crappie | 26 | 1.0 | 0.7 | 75 | | 75 | | 91 | 9 |
| | Channel Catfish | 11 | 1.5 | 1.1 | 100 | | 0 | | 87 | 13 |
| | Common Carp | 2 | 0.3 | 0.4 | 100 | | 0 | | | |
| | Northern Pike | 1 | 0.3 | 0.4 | 100 | | 0 | | 91 | |
| | Saugeye | 7 | 1.8 | 1.4 | 86 | | 14 | | 96 | 2 |
| | White Crappie | 35 | 1.8 | 1.0 | 43 | | 43 | | 90 | 1 |
| frame net (std 3/4 | Black Bullhead | 81 | 16.2 | 7.1 | 79 | 7 | 0 | | | |
| in) | Black Crappie | 90 | 13.0 | 7.3 | 38 | 9 | 29 | 8 | 90 | 2 |
| | Bluegill | 29 | 5.8 | 8.1 | 41 | 14 | 3 | | 103 | 5 |
| | Channel Catfish | 35 | 0.6 | 0.6 | 67 | | 0 | | 91 | 2 |
| | Common Carp | 2 | 0.4 | 0.4 | 100 | | 0 | | | |
| | Northern Pike | 1 | 0.2 | 0.3 | 100 | | 0 | | 76 | |
| | Saugeye | 4 | 0.8 | 0.9 | 100 | | 25 | | 92 | 2 |
| | White Crappie | 105 | 10.4 | 4.4 | 44 | 10 | 33 | 10 | 90 | 3 |
| | White Sucker | 1 | 0.2 | 0.3 | 100 | | 100 | | | |

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 | Black Bullhead | | | 113.0 | | | | | | | | 113.0 0 |
| | Black Crappie | | | 6.6 | | | | | | | | 6.60 |
| | Bluegill | | | 10.2 | | | | | | | | 10.20 |
| | Channel Catfish | | | 0.0 | | | | | | | | 0.00 |
| | Common Carp | | | 0.4 | | | | | | | | 0.40 |
| | Gizzard Shad | | | 6.4 | | | | | | | | 6.40 |
| | Green Sunfish | | | 2.2 | | | | | | | | 2.20 |
| | Largemouth Bass | | | 0.2 | | | | | | | | 0.20 |
| | Walleye | | | 1.6 | | | | | | | | 1.60 |
| | White Crappie | | | 4.8 | | | | | | | | 4.80 |
| | White Sucker | | | 0.4 | | | | | | | | 0.40 |
| AFS std gill net | Black Bullhead | | | 22.0 | 12.7 | 18.3 | | | | | 1.3 | 13.58 |
| | Black Crappie | | | 0.0 | 0.2 | 0.0 | | | | | 1.0 | 0.30 |
| | Channel Catfish | | | 0.5 | 7.3 | 4.0 | | | | | 1.5 | 3.33 |
| | Common Carp | | | 4.0 | 1.7 | 1.0 | | | | | 0.3 | 1.75 |
| | Gizzard Shad | | | 3.5 | 0.0 | 0.0 | | | | | 0.0 | 0.88 |
| | Northern Pike | | | 1.5 | 0.0 | 0.0 | | | | | 0.3 | 0.45 |
| | Saugeye | | | 0.0 | 0.0 | 0.0 | | | | | 1.8 | 0.45 |
| | Walleye | | | 3.5 | 0.0 | 0.0 | | | | | 0.0 | 0.88 |
| | White Crappie | | | 0.0 | 0.0 | 0.0 | | | | | 1.8 | 0.45 |
| | White Sucker | | | 0.5 | 0.5 | 2.3 | | | | | 0.0 | 0.83 |
| frame net (std | Black Bullhead | 70.4 | 42.2 | | 148.5 | 78.4 | | | 31.4 | | 16.2 | 64.52 |
| 3/4 in) | Black Crappie | 4.4 | 4.6 | | 1.3 | 3.2 | | | 9.2 | | 13.0 | 5.95 |
| | Bluegill | 2.4 | 8.0 | | 15.8 | 17.6 | | | 4.4 | | 5.8 | 9.00 |
| | Channel Catfish | 0.0 | 0.0 | | 0.0 | 1.4 | | | 2.2 | | 0.6 | 0.70 |
| | Common Carp | 0.4 | 0.0 | | 0.0 | 0.4 | | | 1.2 | | 0.4 | 0.40 |
| | Green Sunfish | 0.0 | 0.0 | | 1.3 | 1.0 | | | 0.2 | | 0.0 | 0.42 |
| | Northern Pike | 0.6 | 1.4 | | 0.0 | 0.0 | | | 0.0 | | 0.2 | 0.37 |
| | Saugeye | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | | 0.8 | 0.13 |
| | Walleye | 0.0 | 0.4 | | 0.3 | 0.0 | | | 0.0 | | 0.0 | 0.12 |
| | White Crappie | 0.6 | 13.4 | | 0.5 | 5.6 | | | 2.6 | | 10.4 | 5.52 |
| | White Sucker | 0.0 | 0.2 | | 0.0 | 0.4 | | | 0.6 | | 0.2 | 0.23 |
| | | | | | | | | | | | | |

| | | | | | | | CPUE | | | | | |
|------------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|
| Gear | Species | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | Avg |
| std exp gill net | Black Bullhead | 0.0 | 5.3 | | | | | | | | | 2.65 |
| | Black Crappie | 1.3 | 1.0 | | | | | | | | | 1.15 |
| | Bluegill | 0.0 | 0.0 | | | | | | | | | 0.00 |
| | Channel Catfish | 0.7 | 0.3 | | | | | | | | | 0.50 |
| | Common Carp | 3.3 | 10.3 | | | | | | | | | 6.80 |
| | Northern Pike | 4.0 | 2.0 | | | | | | | | | 3.00 |
| | White Crappie | 0.3 | 1.0 | | | | | | | | | 0.65 |
| | White Sucker | 0.3 | 0.0 | | | | | | | | | 0.15 |

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.

| | | | | | | | Ye | ar | | | | |
|------------------|-----------------|-------|------|------|------|------|------|------|------|------|------|------|
| Gear | Species | Index | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| AFS std frame | Black Bullhead | PSD | | | 0 | | | | | | | |
| net | | PSD-P | | | 0 | | | | | | | |
| | Black Crappie | PSD | | | 76 | | | | | | | |
| | | PSD-P | | | 9 | | | | | | | |
| | | Wr | | | 85 | | | | | | | |
| | Bluegill | PSD | | | 78 | | | | | | | |
| | | PSD-P | | | 0 | | | | | | | |
| | | Wr | | | 93 | | | | | | | |
| | Channel Catfish | PSD | | | 0 | | | | | | | |
| | | PSD-P | | | 0 | | | | | | | |
| | Common Carp | PSD | | | 50 | | | | | | | |
| | | PSD-P | | | 0 | | | | | | | |
| | Walleye | PSD | | | 0 | | | | | | | |
| | | PSD-P | | | 0 | | | | | | | |
| | | Wr | | | 79 | | | | | | | |
| | White Crappie | PSD | | | 75 | | | | | | | |
| | | PSD-P | | | 4 | | | | | | | |
| | | Wr | | | 81 | | | | | | | |
| | White Sucker | PSD | | | 100 | | | | | | | |
| | | PSD-P | | | 100 | | | | | | | |
| AFS std gill net | Black Bullhead | PSD | | | 0 | 0 | 0 | | | | | 80 |
| | | PSD-P | | | 0 | 0 | 0 | | | | | 0 |
| | Black Crappie | PSD | | | | 100 | | | | | | 75 |
| | | PSD-P | | | | 0 | | | | | | 75 |
| | | Wr | | | | 84 | | | | | | 91 |
| | Channel Catfish | PSD | | | 0 | 2 | 0 | | | | | 100 |
| | | PSD-P | | | 0 | 0 | 0 | | | | | 0 |
| | | Wr | | | 99 | 95 | 97 | | | | | 87 |
| | Common Carp | PSD | | | 13 | 10 | 67 | | | | | 100 |
| | | PSD-P | | | 0 | 0 | 0 | | | | | 0 |
| | Northern Pike | PSD | | | 100 | | | | | | | 100 |
| | | PSD-P | | | 100 | | | | | | | 0 |
| | | Wr | | | 105 | | | | | | | 91 |

| | | | | | | | | Ye | ar | | | | |
|------------------|----------------|---|-------|---------|----------|------|------|----------|-------|------|--------|------|------|
| Gear | Species | | Index | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| AFS std gill net | Saugeye | | PSD | | | | | | | | | | 86 |
| | | | PSD-P | | | | | | | | | | 14 |
| | | | Wr | | | | | | | | | | 96 |
| | Walleye | | PSD | | | 29 | | | | | | | |
| | | | PSD-P | | | 0 | | | | | | | |
| | | | Wr | | | 84 | | | | | | | |
| | White Crappie | | PSD | | | | | | | | | | 43 |
| | | | PSD-P | | | | | | | | | | 43 |
| | | | Wr | | | | | | | | | | 90 |
| | White Sucker | | PSD | | | 100 | 100 | 14 | | | | | |
| | | | PSD-P | | | 100 | 100 | 14 | | | | | |
| frame net (std | Black Bullhead | | PSD | 14 | 0 | | 0 | 0 | | | 35 | | 79 |
| 3/4 in) | | | PSD-P | 0 | 0 | | 0 | 0 | | | 0 | | 0 |
| | Black Crappie | | PSD | 41 | 9 | | 100 | 100 | | | 98 | | 38 |
| | Didok Orappic | | PSD-P | 18 | 9 | | 100 | 100 | | | 70 | | 29 |
| | | | Wr | 89 | 96 | | 79 | 92 | | | 85 | | 90 |
| | Bluegill | | PSD | 8 | 50 65 | | 29 | 32 44 | | | 18 | | 41 |
| | Dideyili | | PSD-P | 0 | 05 | | 29 | | | | 0 | | 3 |
| | | | Wr | 94 | 108 | | 102 | 111 | | | 103 | | 103 |
| | Channel Catfis | h | PSD | 94 0 | 0 | | 02 | | | | 103 | | 67 |
| | Channel Callis | | PSD-P | 0 | 0 | | 0 | | | | 0 | | 07 |
| | | | Wr | 0 | 0 | | 0 | 104 | | | 89 | | 91 |
| | Common Com | | | 50 | | | | | | | | | |
| | Common Carp | | PSD | 50 | | | | 100 | | | 33 | | 100 |
| | Nexthere Dilie | | PSD-P | 50 | 400 | | | 0 | | | 0 | | 0 |
| | Northern Pike | | PSD | 100 | 100 | | | | | | | | 100 |
| | | | PSD-P | 0 | 57 | | | | | | | | 0 |
| | • | | Wr | 86 | 79 | | | | | | | | 76 |
| | Saugeye | | PSD | | | | | | | | | | 100 |
| | | | PSD-P | | | | | | | | | | 25 |
| | | | Wr | | | | | | | | | | 92 |
| | Walleye | | PSD | | 0 | | 100 | | | | | | |
| | | | PSD-P | | 0 | | 0 | | | | | | |
| | | | Wr | | 86 | | 82 | | | | | | |
| | White Crappie | | PSD | 67 | 3 | | 100 | | | | 92 | | 44 |
| | | | PSD-P | 33 | 1 | | 100 | 100 | | | 85 | | 33 |
| | | | Wr | 86 | 103 | | 83 | 100 | | | 86 | | 90 |
| | White Sucker | | PSD | | 100 | | | 100 | | | 100 | | 100 |
| | | | | | | | | 2/26/ | /2025 | I | Page 9 | | |

| | | | | | | | Ye | ar | | | | |
|---------------------------|-----------------|-------|------|------|------|------|------|------|------|------|------|------|
| Gear | Species | Index | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| frame net (std 3/4 in) | White Sucker | PSD-P | | 100 | | | 0 | | | 100 | | 100 |
| std exp gill net | Black Bullhead | PSD | 0 | 0 | | | | | | | | |
| | | PSD-P | 0 | 0 | | | | | | | | |
| | Black Crappie | PSD | 0 | 0 | | | | | | | | |
| | | PSD-P | 0 | 0 | | | | | | | | |
| | | Wr | 83 | 92 | | | | | | | | |
| | Channel Catfish | PSD | 100 | 0 | | | | | | | | |
| | | PSD-P | 100 | 0 | | | | | | | | |
| | | Wr | 88 | 85 | | | | | | | | |
| | Common Carp | PSD | 30 | 6 | | | | | | | | |
| | | PSD-P | 0 | 0 | | | | | | | | |
| | Northern Pike | PSD | 100 | 100 | | | | | | | | |
| | | PSD-P | 25 | 33 | | | | | | | | |
| | | Wr | 88 | 78 | | | | | | | | |
| | White Crappie | PSD | 0 | 0 | | | | | | | | |
| | | PSD-P | 0 | 0 | | | | | | | | |
| | | Wr | 91 | 95 | | | | | | | | |
| | White Sucker | PSD | 100 | | | | | | | | | |
| | | PSD-P | 100 | | | | | | | | | |

Length at Capture

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

Species: Saugeye

| | | | ſ | Mean Len | gth (expa | nded sam | ple numbe | er) at capt | ure by age | ; | |
|------|---|------------|------------|----------|-----------|----------|-----------|-------------|------------|---|-----|
| Year | Ν | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ |
| 2024 | 7 | 293 (1) | 438 (6) | | | | | | | | |

Fish Condition

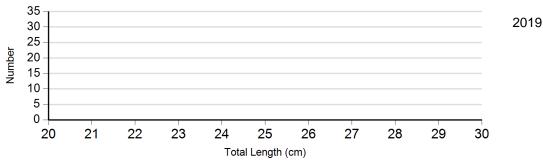
Mean relative weight (Wr) by sample size (N), length category stock to quality (S-Q), quality to preferred (Q-P), preferred to memorable (P-M), and memorable (M) for species collected across survey years with standard error (SE).

| | | | | | Length | Group | S | | |
|-----------------------------|------|----|--------------|----|--------------|-------|-------------|----|-------------|
| | | | S-Q | | Q-P | | P-M | | М |
| Species | Year | N | Wr (SE) | Ν | Wr (SE) | Ν | Wr (SE) | Ν | Wr (SE) |
| Black Crappie Frame Net | 2022 | 1 | 92 | 13 | 87 (1.7) | 32 | 84 (0.8) | 0 | |
| | 2024 | 40 | 93 (1.8) | 6 | 88 (4.0) | 8 | 91 (2.3) | 11 | 79 (2.6) |
| Bluegill Frame Net | 2022 | 18 | 106 (3.8) | 4 | 93 (3.7) | 0 | | 0 | |
| | 2024 | 17 | 104 (6.1) | 11 | 102 (4.6) | 1 | 86 | 0 | |
| Channel Catfish Gill Net | 2024 | 0 | | 6 | 87 (10.4) | 0 | | 0 | |
| Northern Pike Gill Net | 2024 | 0 | | 1 | 91 | 0 | | 0 | |
| Saugeye Gill Net | 2024 | 1 | 95 | 5 | 94 (1.3) | 1 | 103 | 0 | |
| White Crappie Frame Net | 2022 | 1 | 97 | 1 | 95 | 11 | 84 (2.2) | 0 | |
| | 2024 | 29 | 93 (3.7) | 6 | 71 | 7 | 85 (2.3) | 10 | 91 (2.1) |

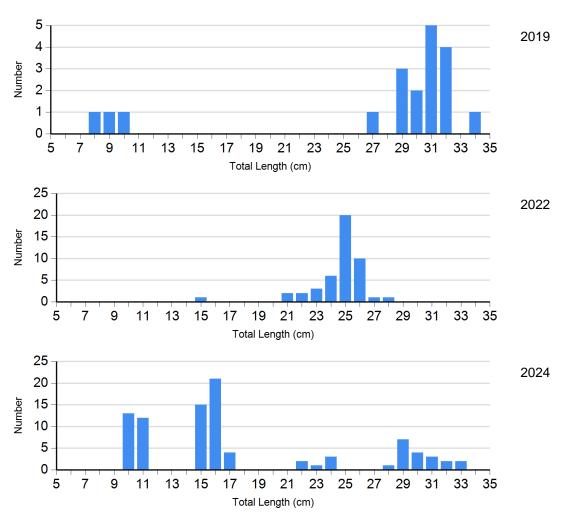
Length Frequency Distribution

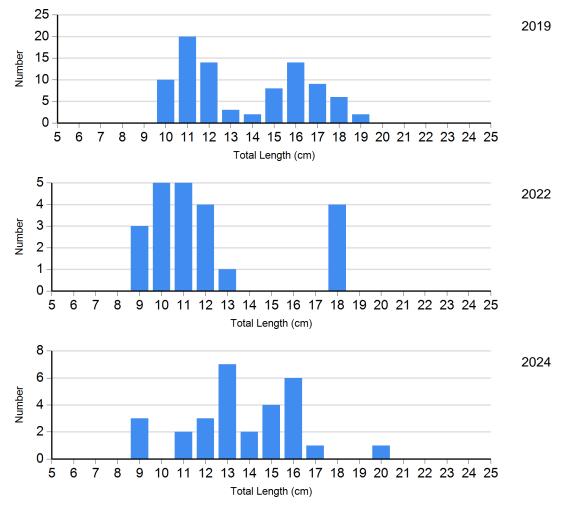
Length frequency histogram of species sampled by year.

Species: Black Bullhead Gear: AFS std gill net

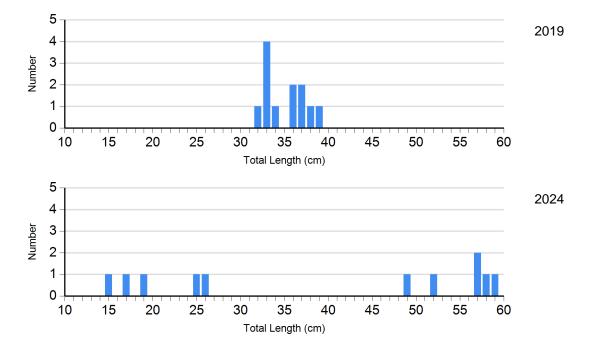


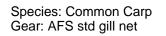
Species: Black Crappie Gear: frame net (std 3/4 in)

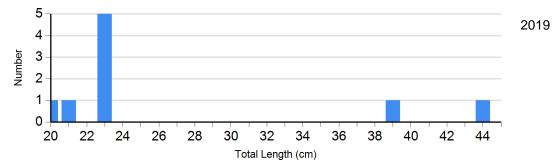




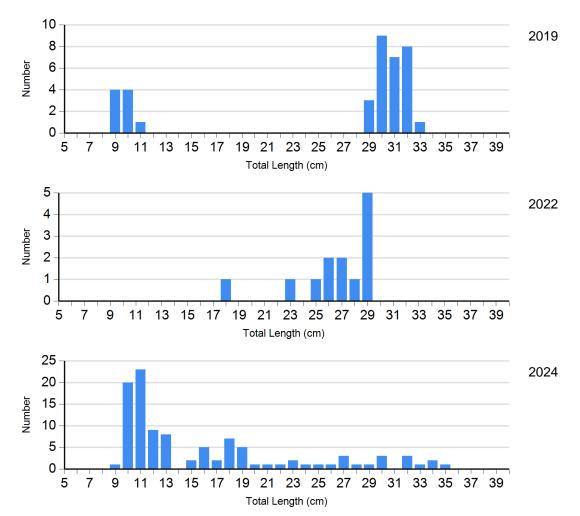
Species: Channel Catfish Gear: AFS std gill net







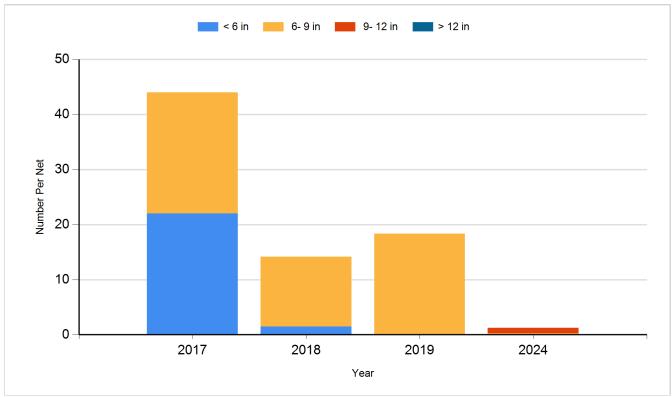
Species: White Crappie Gear: frame net (std 3/4 in)



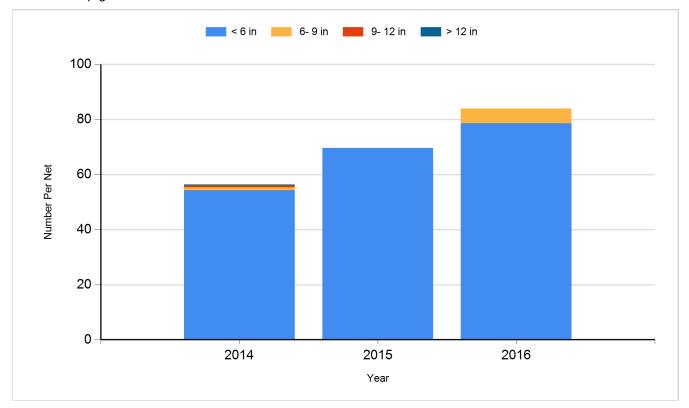
Historic Fish Sizes and Relative Abundance

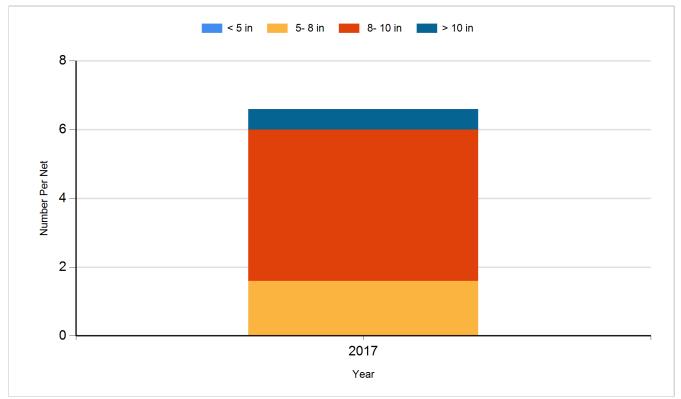
Size distribution per net by color for species sampled by year.

Species: Black Bullhead Gear: AFS std gill net

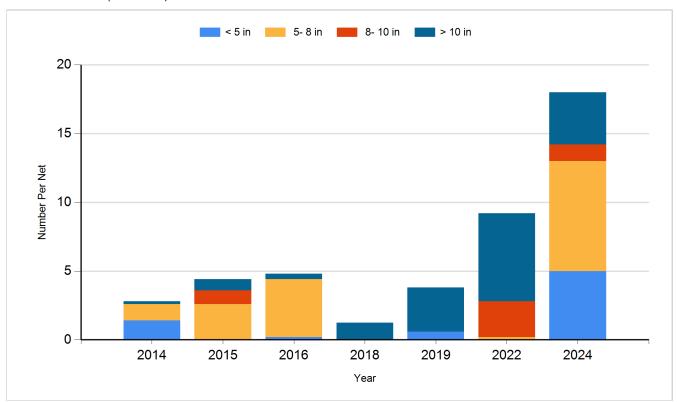


Species: Black Bullhead Gear: std exp gill net

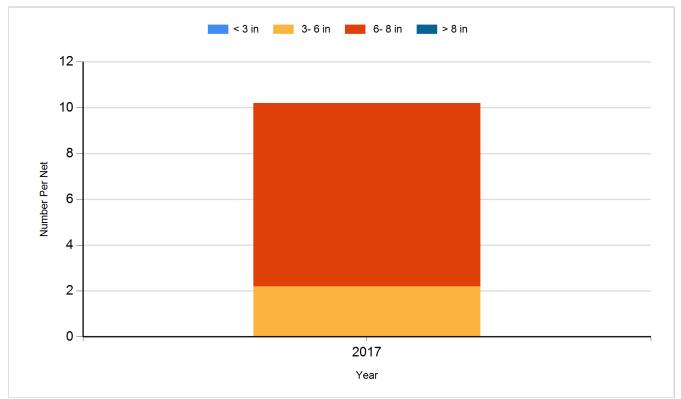




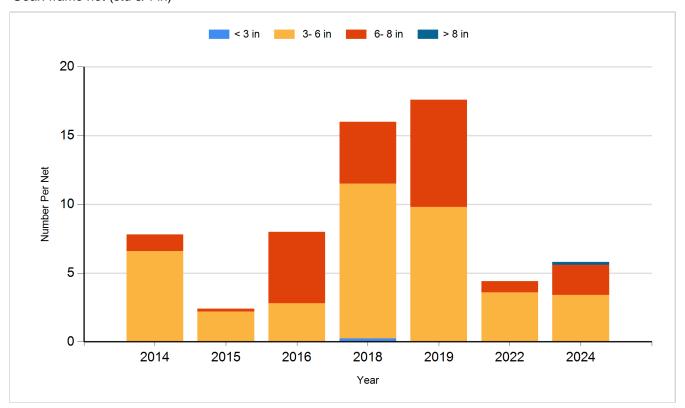
Species: Black Crappie Gear: frame net (std 3/4 in)

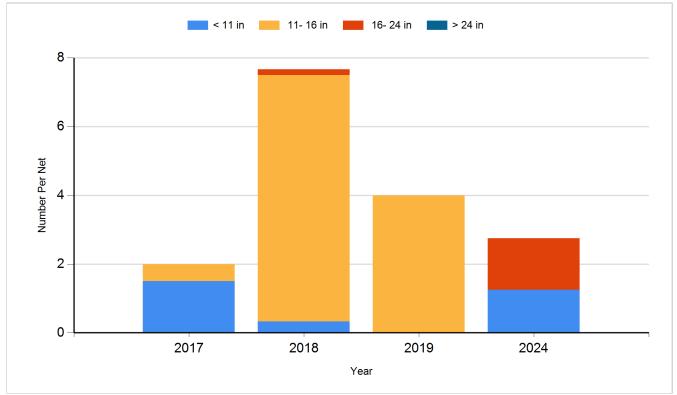


Species: Bluegill Gear: AFS std frame net

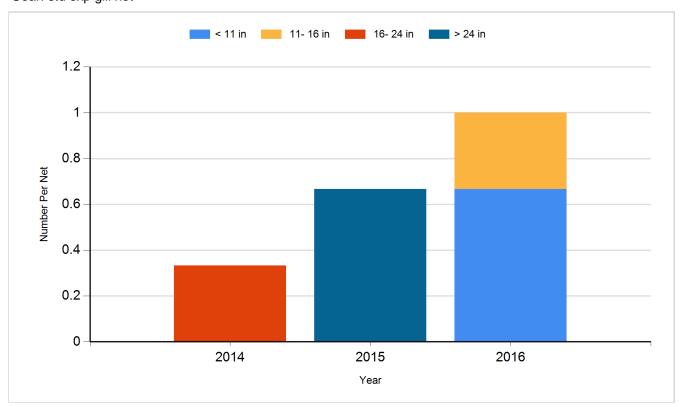


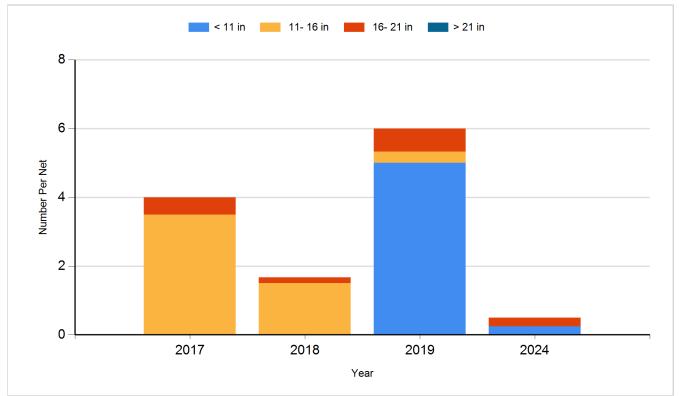
Species: Bluegill Gear: frame net (std 3/4 in)



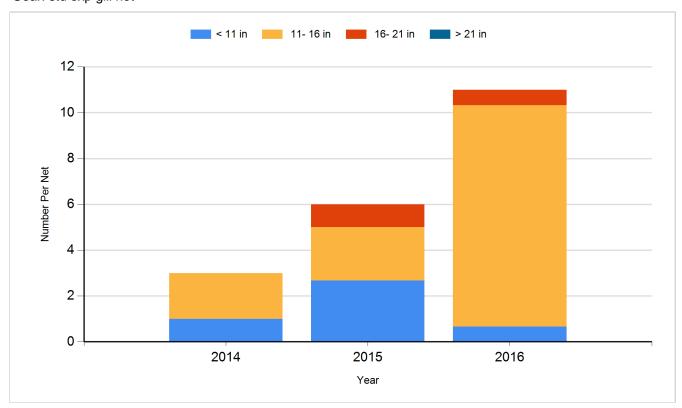


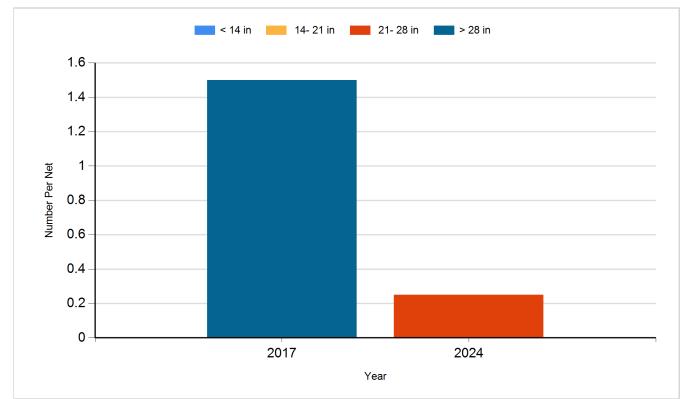
Species: Channel Catfish Gear: std exp gill net



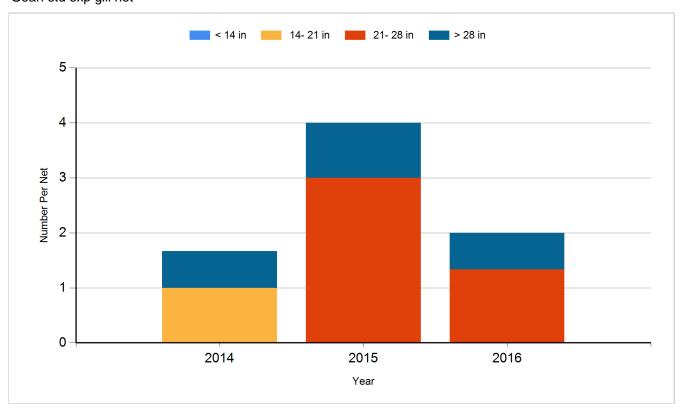


Species: Common Carp Gear: std exp gill net

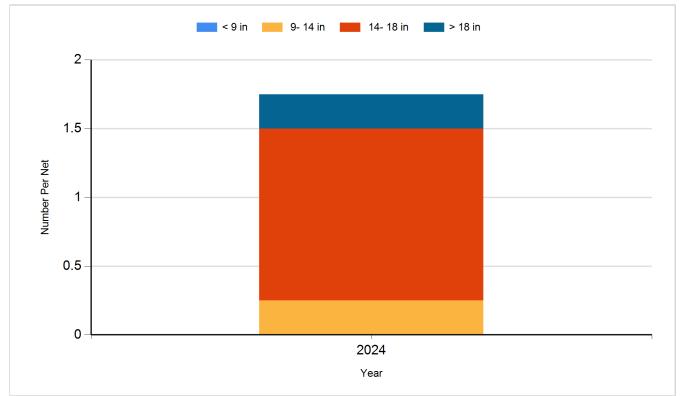




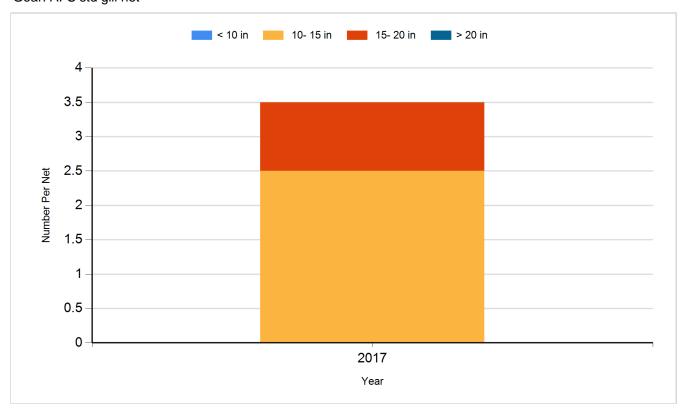
Species: Northern Pike Gear: std exp gill net

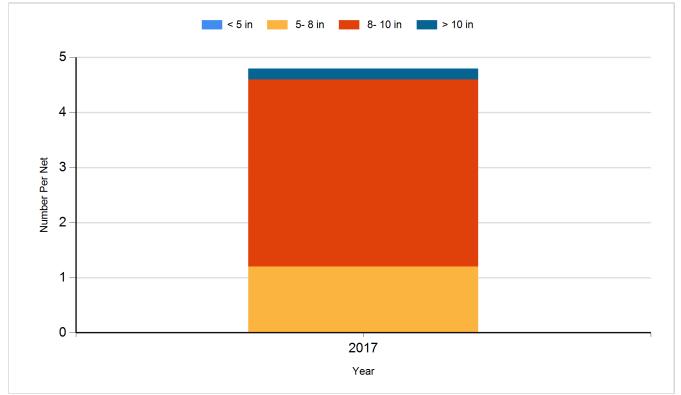


Species: Saugeye Gear: AFS std gill net

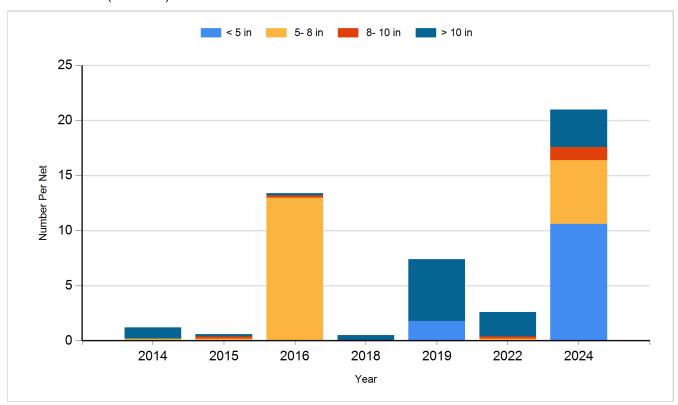


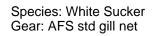
Species: Walleye Gear: AFS std gill net

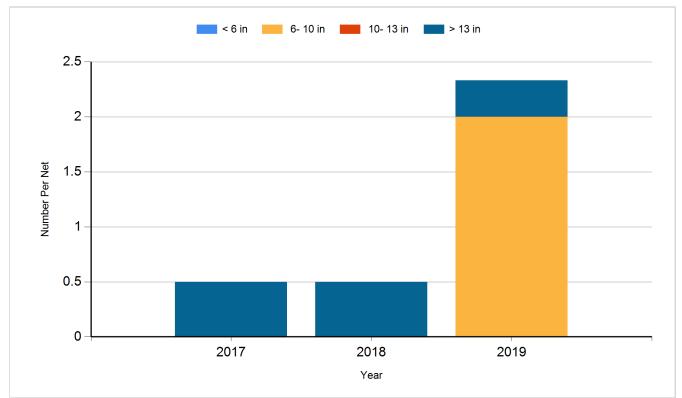




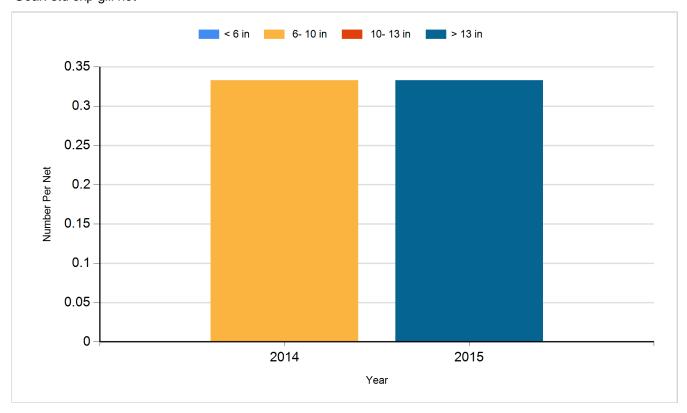
Species: White Crappie Gear: frame net (std 3/4 in)







Species: White Sucker Gear: std exp gill net



Fish Stocking

Number of fish stocked by year, species, and size.

| Year | Species | Size | Number |
|------|-----------------|------------------|--------|
| 2014 | Walleye | Fry | 55,000 |
| 2015 | Walleye | Small Fingerling | 3,840 |
| 2016 | Gizzard Shad | Adult | 130 |
| 2016 | Walleye | Juvenile | 505 |
| 2019 | Walleye | Small Fingerling | 4,900 |
| 2021 | Black Crappie | Adult | 440 |
| 2022 | Saugeye | Juvenile | 5,320 |
| 2024 | Channel Catfish | Juvenile | 1,184 |
| 2024 | Saugeye | Juvenile | 5,133 |