#### **Deerfield Reservoir**

Deerfield Reservoir is a 416-acre impoundment located 22 miles northwest of Hill City on Deerfield Road. The primary species in the lake are Yellow Perch, Lake Trout, Rainbow Trout and Brook Trout. There are several secondary species such as White Sucker, Rock Bass and Splake Trout.

**Yellow Perch.** Yellow Perch dominate the lake. Catch rates this year were 626.8 fish per frame net, and 3.3 fish per gill net. The perch population suffers slow growth due to the high abundance. The average perch being caught is from 6-7 inches. Game Fish and Parks is actively trapping and transferring yellow perch from Deerfield every spring. Spring of 2023, GFP trapped and transferred roughly 50,000 yellow perch from the lake. These perch were stocked in other waters to increase angling opportunities.

**Rainbow Trout.** Deerfield is home to a small population of natural spawning rainbow trout. Due to the small natural population, rainbow trout are also stocked into Deerfield every year. 13,391 rainbow trout were stocked in 2023. The average sample size for 2023 per gill net was 1.0 and sample size in the frame nets were 1.2 with an average length of 13 inches.

**Lake Trout.** Deerfield is home to some large lake trout. In 2023, 536 retired brood stock lake trout were stocked into the reservoir. The average sample size for the gill nets in 2023 were 0.5 fish per net.

**Brook Trout.** Deerfield has a heathy population of brook trout. The average size in the sample nets was 9 inches.

### SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Deerfield, Pennington County RAP-Lake-31-000 2023

#### **Lake Information**

Name: Deerfield

County: Pennington

Surface Area: 416 Acres

### **Surveys and Investigations**

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

| Gear                   | Date         | Effort       |
|------------------------|--------------|--------------|
| AFS std gill net       | May 23, 2023 | 4 net-nights |
| frame net (std 3/4 in) | May 23, 2023 | 6 net-nights |

# **Common Fish Species Present**

Rainbow Trout
Splake Trout
Brook Trout
Yellow Perch
White Sucker
Rock Bass
Lake Trout

Golden Shiner

#### **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.

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

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.

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

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

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.

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

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).

|                 | St   | ock  | Qu   | ality | Pref | erred | Mem  | orable | Tro  | ophy |
|-----------------|------|------|------|-------|------|-------|------|--------|------|------|
| 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

|                    |               |                    | Abun  | dance | St  | tock Der | nsity Indic | es    | Cor | ndition |
|--------------------|---------------|--------------------|-------|-------|-----|----------|-------------|-------|-----|---------|
| Gear               | Species       | Sample<br>Size (n) | CPUE  | CI-80 | PSD | CI-80    | PSD-P       | CI-80 | Wr  | CI-80   |
| AFS std gill net   | Brook Trout   | 13                 | 0.0   | 0.0   |     |          |             |       |     |         |
|                    | Lake Trout    | 2                  | 0.5   | 0.8   | 100 |          | 50          |       | 105 | 12      |
|                    | Rainbow Trout | 4                  | 1.0   | 0.9   | 0   |          | 0           |       | 61  | 7       |
|                    | Rock Bass     | 1                  | 0.3   | 0.4   | 0   |          | 0           |       | 77  |         |
|                    | White Sucker  | 8                  | 2.0   | 1.5   | 100 |          | 75          |       | 95  | 3       |
|                    | Yellow Perch  | 13                 | 3.3   | 1.9   | 15  |          | 0           |       | 72  | 3       |
| frame net (std 3/4 | Brook Trout   | 13                 | 0.0   | 0.0   |     |          |             |       |     |         |
| in)                | Golden Shiner | 109                | 0.0   | 0.0   |     |          |             |       |     |         |
|                    | Rainbow Trout | 8                  | 1.2   | 0.7   | 14  |          | 0           |       | 66  | 6       |
|                    | Rock Bass     | 145                | 23.5  | 7.6   | 36  | 6        | 11          | 4     | 90  | 2       |
|                    | White Sucker  | 510                | 85.0  | 48.5  | 90  | 2        | 60          | 3     | 94  | 1       |
|                    | Yellow Perch  | 3761               | 626.8 | 416.1 | 24  | 1        | 3           | 0     | 72  | 1       |

## 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.

<sup>\*</sup> Methods/Species that ignore stock length

|                  |               |      |      |       |      |      | CPUE |      |      |       |       |            |
|------------------|---------------|------|------|-------|------|------|------|------|------|-------|-------|------------|
| Gear             | Species       | 2014 | 2015 | 2016  | 2017 | 2018 | 2019 | 2020 | 2021 | 2022  | 2023  | Avg        |
| AFS std frame    | Brook Trout   |      |      |       |      |      |      |      |      | 0.0   |       | 0.00       |
| net              | Golden Shiner |      |      |       |      |      |      |      |      | 0.0   |       | 0.00       |
|                  | Rainbow Trout |      |      |       |      |      |      |      |      | 0.6   |       | 0.60       |
|                  | Rock Bass     |      |      |       |      |      |      |      |      | 14.9  |       | 14.90      |
|                  | White Sucker  |      |      |       |      |      |      |      |      | 105.1 |       | 105.1<br>0 |
|                  | Yellow Perch  |      |      |       |      |      |      |      |      | 84.7  |       | 84.70      |
| AFS std gill net | Brook Trout   |      |      |       |      | 0.0  |      | 0.0  | 0.0  | 0.0   | 0.0   | 0.00       |
|                  | Golden Shiner |      |      |       |      | 0.0  |      | 0.0  | 0.0  | 0.0   | 0.0   | 0.00       |
|                  | Green Sunfish |      |      |       |      | 0.0  |      | 0.0  | 0.0  | 0.5   | 0.0   | 0.10       |
|                  | Lake Trout    |      |      |       |      | 0.0  |      | 0.0  | 0.0  | 0.3   | 0.5   | 0.16       |
|                  | Rainbow Trout |      |      |       |      | 2.0  |      | 0.5  | 1.0  | 8.0   | 1.0   | 1.06       |
|                  | Rock Bass     |      |      |       |      | 5.9  |      | 0.4  | 1.8  | 0.5   | 0.3   | 1.78       |
|                  | White Sucker  |      |      |       |      | 16.5 |      | 10.0 | 15.5 | 24.8  | 2.0   | 13.76      |
|                  | Yellow Perch  |      |      |       |      | 33.8 |      | 13.5 | 45.3 | 54.8  | 3.3   | 30.14      |
| frame net (std   | Brook Trout   | 0.0  |      | 0.0   |      |      |      |      | 0.0  |       | 0.0   | 0.00       |
| 3/4 in)          | Creek Chub    | 0.0  |      | 0.0   |      |      |      |      | 0.0  |       | 0.0   | 0.00       |
|                  | Golden Shiner | 0.0  |      | 0.0   |      |      |      |      | 0.0  |       | 0.0   | 0.00       |
|                  | Rainbow Trout | 1.3  |      | 0.0   |      |      |      |      | 1.3  |       | 1.2   | 0.95       |
|                  | Rock Bass     | 45.3 |      | 119.7 |      |      |      |      | 25.5 |       | 23.5  | 53.50      |
|                  | White Sucker  | 4.2  |      | 7.2   |      |      |      |      | 82.6 |       | 85.0  | 44.75      |
|                  | Yellow Perch  | 22.5 |      | 2.7   |      |      |      |      | 28.6 |       | 626.8 | 170.1<br>5 |
| std exp gill net | Brook Trout   | 0.0  | 0.0  | 0.0   |      |      |      |      |      |       |       | 0.00       |
|                  | Golden Shiner | 0.0  | 0.0  | 0.0   |      |      |      |      |      |       |       | 0.00       |
|                  | Lake Trout    | 0.0  | 0.5  | 0.0   |      |      |      |      |      |       |       | 0.17       |
|                  | Rainbow Trout | 2.3  | 7.3  | 1.3   |      |      |      |      |      |       |       | 3.63       |
|                  | Rock Bass     | 7.3  | 5.5  | 8.7   |      |      |      |      |      |       |       | 7.17       |
|                  | Splake Trout  | 0.0  | 0.0  | 0.0   |      |      |      |      |      |       |       | 0.00       |
|                  | White Sucker  | 8.5  | 5.5  | 12.7  |      |      |      |      |      |       |       | 8.90       |
|                  | Yellow Perch  | 87.3 | 41.8 | 58.3  |      |      |      |      |      |       |       | 62.47      |

## 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 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| AFS std frame    | Rainbow Trout | PSD   |      |      | ,    |      | ,    |      |      |      | 0    |      |
| net              |               | PSD-P |      |      |      |      |      |      |      |      | 0    |      |
|                  |               | Wr    |      |      |      |      |      |      |      |      | 67   |      |
|                  | Rock Bass     | PSD   |      |      |      |      |      |      |      |      | 49   |      |
|                  |               | PSD-P |      |      |      |      |      |      |      |      | 12   |      |
|                  |               | Wr    |      |      |      |      |      |      |      |      | 84   |      |
|                  | White Sucker  | PSD   |      |      |      |      |      |      |      |      | 76   |      |
|                  |               | PSD-P |      |      |      |      |      |      |      |      | 32   |      |
|                  |               | Wr    |      |      |      |      |      |      |      |      | 98   |      |
|                  | Yellow Perch  | PSD   |      |      |      |      |      |      |      |      | 29   |      |
|                  |               | PSD-P |      |      |      |      |      |      |      |      | 13   |      |
|                  |               | Wr    |      |      |      |      |      |      |      |      | 68   |      |
| AFS std gill net | Lake Trout    | PSD   |      |      |      |      |      |      |      |      | 100  | 100  |
|                  |               | PSD-P |      |      |      |      |      |      |      |      | 100  | 50   |
|                  |               | Wr    |      |      |      |      |      |      |      |      | 83   | 105  |
|                  | Rainbow Trout | PSD   |      |      |      |      | 6    |      | 0    | 0    | 33   | 0    |
|                  |               | PSD-P |      |      |      |      | 0    |      | 0    | 0    | 0    | 0    |
|                  |               | Wr    |      |      |      |      | 74   |      | 68   | 63   | 63   | 61   |
|                  | Rock Bass     | PSD   |      |      |      |      | 19   |      | 33   | 43   | 0    | 0    |
|                  |               | PSD-P |      |      |      |      | 9    |      | 0    | 14   | 0    | 0    |
|                  |               | Wr    |      |      |      |      | 84   |      | 87   | 87   | 88   | 77   |
|                  | White Sucker  | PSD   |      |      |      |      | 99   |      | 100  | 97   | 93   | 100  |
|                  |               | PSD-P |      |      |      |      | 66   |      | 86   | 63   | 62   | 75   |
|                  |               | Wr    |      |      |      |      | 94   |      | 99   | 93   | 97   | 95   |
|                  | Yellow Perch  | PSD   |      |      |      |      | 33   |      | 35   | 17   | 24   | 15   |
|                  |               | PSD-P |      |      |      |      | 1    |      | 3    | 1    | 1    | 0    |
|                  |               | Wr    |      |      |      |      | 81   |      | 88   | 83   | 76   | 72   |
| frame net (std   | Rainbow Trout | PSD   | 0    |      |      |      |      |      |      | 20   |      | 14   |
| 3/4 in)          |               | PSD-P | 0    |      |      |      |      |      |      | 0    |      | 0    |
|                  |               | Wr    | 76   |      |      |      |      |      |      | 72   |      | 66   |
|                  | Rock Bass     | PSD   | 7    |      | 2    |      |      |      |      | 26   |      | 36   |
|                  |               | PSD-P | 2    |      | 0    |      |      |      |      | 6    |      | 11   |
|                  |               |       |      |      |      |      |      |      |      |      |      |      |

|                  |               |       |      |      |      |      | Υe   | ar   |      |      |      |      |
|------------------|---------------|-------|------|------|------|------|------|------|------|------|------|------|
| Gear             | Species       | Index | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| frame net (std   | Rock Bass     | Wr    | 82   |      |      |      |      |      |      | 89   |      | 90   |
| 3/4 in)          | White Sucker  | PSD   | 100  |      | 86   |      |      |      |      | 89   |      | 90   |
|                  |               | PSD-P | 100  |      | 81   |      |      |      |      | 58   |      | 60   |
|                  |               | Wr    | 91   |      |      |      |      |      |      | 91   |      | 94   |
|                  | Yellow Perch  | PSD   | 16   |      | 50   |      |      |      |      | 24   |      | 24   |
|                  |               | PSD-P | 1    |      | 0    |      |      |      |      | 3    |      | 3    |
|                  |               | Wr    | 86   |      |      |      |      |      |      |      |      | 72   |
| std exp gill net | Lake Trout    | PSD   |      | 100  |      |      |      |      |      |      |      |      |
|                  |               | PSD-P |      | 50   |      |      |      |      |      |      |      |      |
|                  |               | Wr    |      | 99   |      |      |      |      |      |      |      |      |
|                  | Rainbow Trout | PSD   | 0    | 0    | 0    |      |      |      |      |      |      |      |
|                  |               | PSD-P | 0    | 0    | 0    |      |      |      |      |      |      |      |
|                  |               | Wr    | 75   | 75   | 77   |      |      |      |      |      |      |      |
|                  | Rock Bass     | PSD   | 0    | 0    | 8    |      |      |      |      |      |      |      |
|                  |               | PSD-P | 0    | 0    | 0    |      |      |      |      |      |      |      |
|                  |               | Wr    | 92   | 85   | 93   |      |      |      |      |      |      |      |
|                  | White Sucker  | PSD   | 100  | 100  | 97   |      |      |      |      |      |      |      |
|                  |               | PSD-P | 100  | 100  | 79   |      |      |      |      |      |      |      |
|                  |               | Wr    | 103  | 100  | 103  |      |      |      |      |      |      |      |
|                  | Yellow Perch  | PSD   | 18   | 36   | 50   |      |      |      |      |      |      |      |
|                  |               | PSD-P | 0    | 0    | 4    |      |      |      |      |      |      |      |
|                  |               | Wr    | 91   | 85   | 96   |      |      |      |      |      |      |      |

### **Fish Condition**

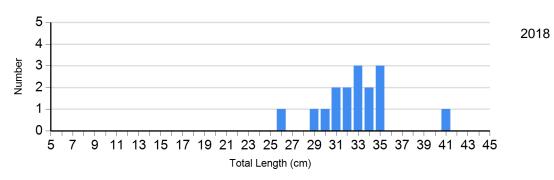
Mean relative weight (Wr) by sample size (N), length category stock to quality (S-Q), quality to preferred (Q-P), preferred to memorable (P-M), and memorable (M) for species collected across survey years with standard error (SE).

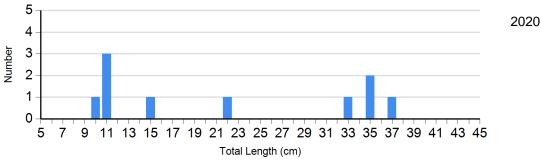
|                           |      |     |             |    | Length      | Group | s            |    |              |
|---------------------------|------|-----|-------------|----|-------------|-------|--------------|----|--------------|
|                           |      |     | S-Q         |    | Q-P         |       | P-M          |    | М            |
| Species                   | Year | N   | Wr (SE)     | N  | Wr (SE)     | N     | Wr (SE)      | N  | Wr (SE)      |
| Lake Trout                | 2022 | 0   |             | 0  |             | 1     | 83           | 0  |              |
| Gill Net                  | 2023 | 0   |             | 1  | 115         | 1     | 96           | 0  |              |
| Rainbow Trout<br>Gill Net | 2020 | 4   | 68<br>(0.8) | 0  |             | 0     |              | 0  |              |
|                           | 2021 | 4   | 63<br>(1.6) | 0  |             | 0     |              | 0  |              |
|                           | 2022 | 2   | 56<br>(0.4) | 1  | 78          | 0     |              | 0  |              |
|                           | 2023 | 4   | 61<br>(5.1) | 0  |             | 0     |              | 0  |              |
| White Sucker<br>Gill Net  | 2020 | 0   |             | 11 | 98<br>(3.4) | 40    | 99<br>(1.9)  | 29 | 99<br>(1.8)  |
|                           | 2021 | 2   |             | 21 | 87<br>(1.8) | 27    | 97<br>(1.8)  | 12 | 97<br>(2.6)  |
|                           | 2022 | 7   | 91<br>(1.4) | 31 | 93<br>(1.1) | 39    | 100<br>(1.2) | 22 | 100<br>(1.6) |
|                           | 2023 | 0   |             | 2  | 90<br>(4.1) | 3     | 95<br>(4.8)  | 3  | 99<br>(1.5)  |
| Yellow Perch<br>Gill Net  | 2020 | 70  | 92<br>(1.1) | 35 | 79<br>(1.1) | 0     |              | 3  | 81<br>(2.1)  |
|                           | 2021 | 151 | 84<br>(0.7) | 28 | 75<br>(1.0) | 1     |              | 1  |              |
|                           | 2022 | 166 | 81<br>(0.8) | 51 | 66<br>(1.3) | 1     |              | 1  |              |
|                           | 2023 | 11  | 73<br>(2.5) | 2  | 66<br>(2.0) | 0     |              | 0  |              |

### **Length Frequency Distribution**

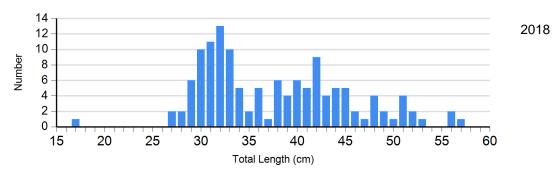
Length frequency histogram of species sampled by year.

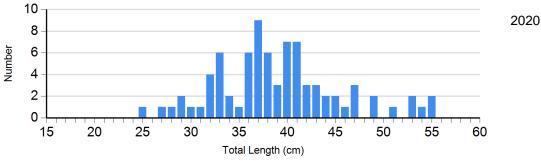
Species: Rainbow Trout Gear: AFS std gill net

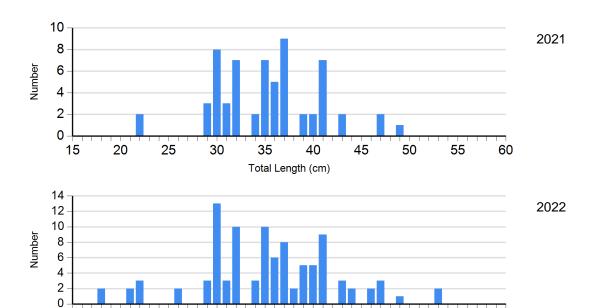




Species: White Sucker Gear: AFS std gill net

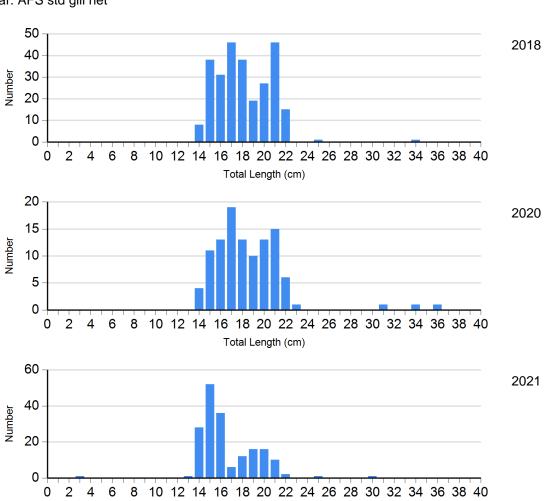




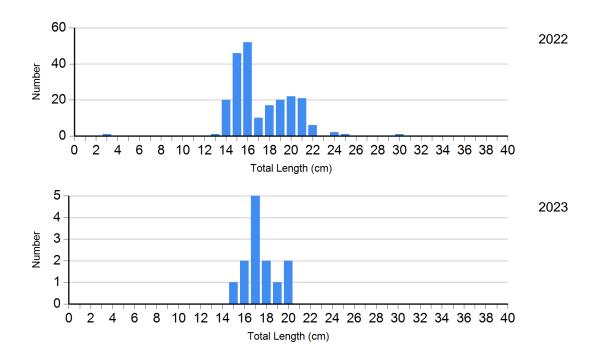


Species: Yellow Perch Gear: AFS std gill net

Total Length (cm)



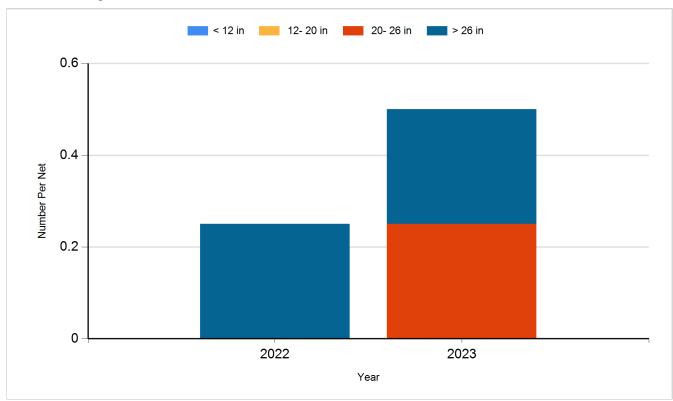
Total Length (cm)



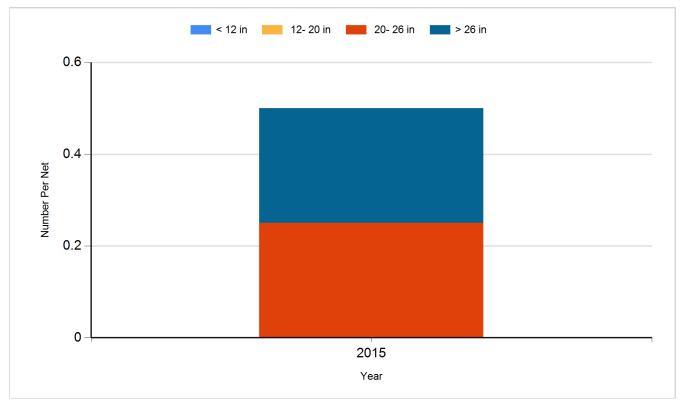
#### **Historic Fish Sizes and Relative Abundance**

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

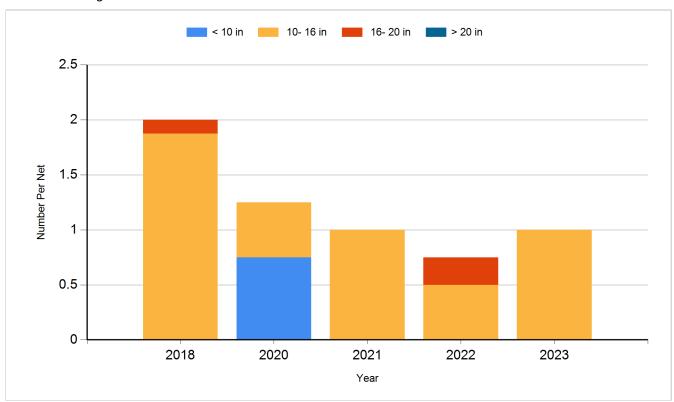
Species: Lake Trout Gear: AFS std gill net



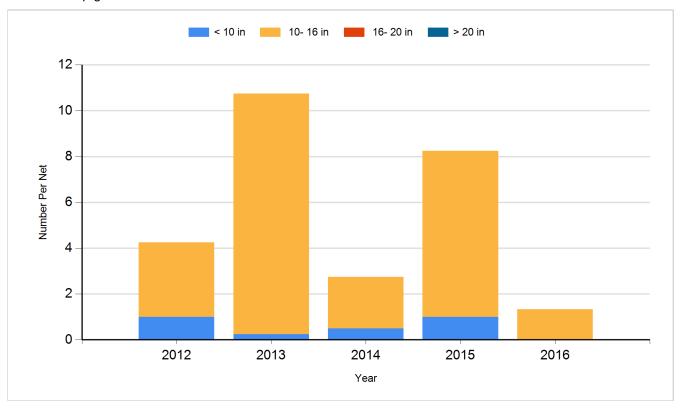
Species: Lake Trout Gear: std exp gill net



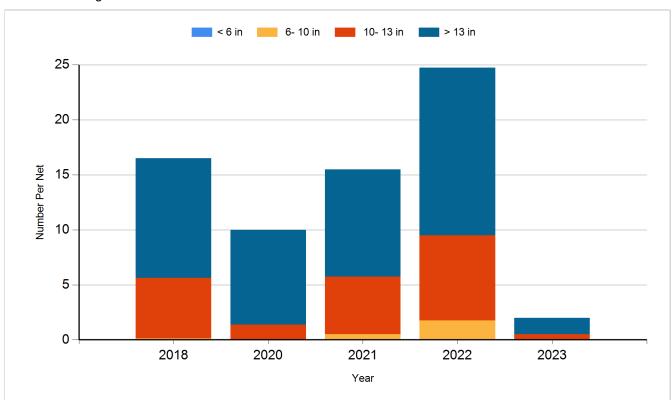
Species: Rainbow Trout Gear: AFS std gill net



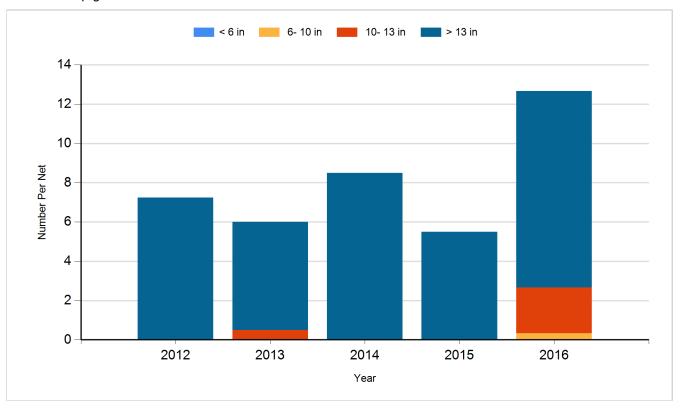
Species: Rainbow Trout Gear: std exp gill net



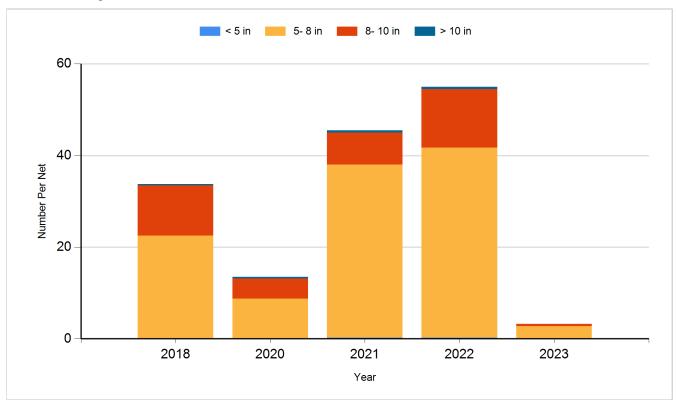
Species: White Sucker Gear: AFS std gill net



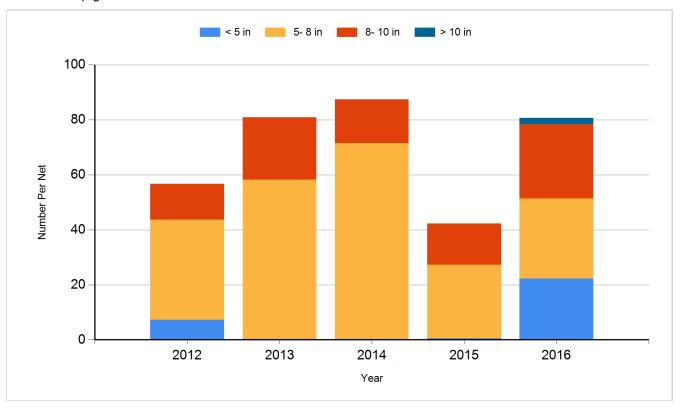
Species: White Sucker Gear: std exp gill net



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 |
|------|--------------------------------------|---------------|--------|
| 2012 | Rainbow Trout (Erwin x Arlee)        | Catchable 11" | 4,500  |
| 2012 | Rainbow Trout (McConaugRainbow Trout | Catchable 11" | 4,000  |
| 2012 | Rainbow Trout (Shasta)               | Catchable 11" | 4,000  |
| 2012 | Splake Trout (Story)                 | Fingerling    | 5,853  |
| 2013 | Rainbow Trout (Erwin x Arlee)        | Catchable 11" | 4,000  |
| 2013 | Rainbow Trout (McConaugRainbow Trout | Catchable 11" | 4,000  |
| 2013 | Rainbow Trout (Shasta)               | Catchable 11" | 4,000  |
| 2014 | Rainbow Trout (Shasta)               | Catchable 11" | 12,000 |
| 2015 | Lake Trout                           | Adult         | 823    |
| 2015 | Rainbow Trout (Shasta)               | Catchable 11" | 12,000 |
| 2016 | Lake Trout                           | Adult         | 400    |
| 2016 | Rainbow Trout (Shasta)               | Catchable 11" | 9,516  |
| 2017 | Rainbow Trout (Shasta)               | Catchable 11" | 9,687  |
| 2018 | Rainbow Trout (Shasta)               | Catchable     | 9,030  |
| 2019 | Rainbow Trout (Shasta)               | Catchable 11" | 1,636  |
| 2019 | Rainbow Trout (Shasta)               | Catchable 15" | 7,481  |
| 2020 | Rainbow Trout (Gerrard)              | Adult         | 4,826  |
| 2020 | Rainbow Trout (Shasta)               | Catchable 11" | 918    |
| 2020 | Rainbow Trout (Shasta)               | Catchable 15" | 3,998  |
| 2021 | Rainbow Trout (Arlee)                | Adult         | 3,694  |
| 2021 | Rainbow Trout (Gerrard)              | Adult         | 4,578  |
| 2021 | Rainbow Trout (Shasta)               | Adult         | 900    |
| 2022 | Rainbow Trout (Arlee)                | Adult         | 3,936  |
| 2022 | Rainbow Trout (Gerrard)              | Adult         | 4,115  |
| 2022 | Rainbow Trout (Shasta)               | Adult         | 1,298  |
| 2023 | Lake Trout                           | Adult         | 536    |
| 2023 | Rainbow Trout                        | Adult         | 13,418 |