

**WISCONSIN DEPARTMENT OF NATURAL RESOURCES**

**WHITEFISH LAKE**

**2024 – 2025 CREEL SURVEY REPORT**

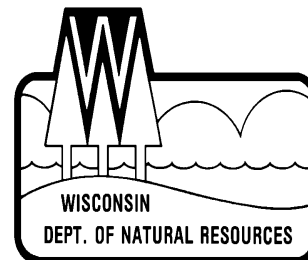
SAWYER COUNTY



Treaty Fisheries Publication



Compiled by  
Matthew Kufahl  
Fisheries Technician



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## INTRODUCTION

Fish populations can fluctuate due to a variety of factors including natural forces like climate, reproductive success, predation, and competition. Human activities such as fish harvest, stocking, habitat change, and invasive species introduction can also have significant impacts. Wisconsin Department of Natural Resources (DNR) fisheries crews regularly conduct fishery surveys on lakes and reservoirs to gather the information needed to monitor changes, identify concerns, evaluate past management actions, and to prescribe fishery management strategies. Netting and electrofishing surveys are used to gather data on the status of fish populations and communities, measuring such parameters as species composition, population size, reproductive success, size and age distribution and growth rates.

The other key component of the fishery that we often need to measure is angler harvest to assess its impact on the fishery.

On many lakes in the Ceded Territory of northern Wisconsin, the harvest of fish is divided between sport anglers and the six Ojibwe tribes who harvest fish under rights granted by federal treaties. The tribes harvest fish mostly using a highly efficient method, spearing, during a relatively short time period in the spring. Every fish in the spear harvest is counted – a complete “census” of the harvest.

It would be highly impractical and very costly to conduct a complete census of every angler who fishes on a lake. Therefore, we conduct creel surveys.

A creel survey is an assessment tool used to sample the fishing activities of anglers on a body of water and make projections, or estimates, of harvest and other fishery parameters. Creel survey clerks work on randomly selected days and shifts, forty hours per week. The survey is conducted during the open season for gamefish from the first Saturday in May through the first Sunday

in March. Creel surveys are generally not conducted in November when fishing effort is low, and ice conditions are often unsafe. The survey is run during daylight hours, and shift times change from month to month as day length changes.

Creel survey clerks travel their lakes using a boat or snowmobile to count the number of anglers at predetermined times, and to interview anglers who have completed their fishing trip. Data are collected on what species they fished for, catch, harvest, lengths of fish harvested, marks (fin clips or tags), and hours of fishing effort. Collecting information at the end of a fishing trip provides the most accurate assessment of angling activities, and it avoids the need to disturb anglers while they are fishing.

A computer program is used to estimate catch and harvest of each species, catch and harvest rates, and fishing effort by month, as well as for the year in total. Accurate estimates require that we sample a sufficient and representative portion of the angling activity on a lake. The accuracy of creel survey results depends on good cooperation and truthful responses by anglers when a creel clerk interviews them.

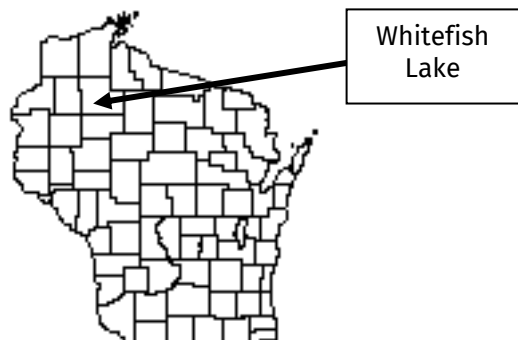
You may have encountered a DNR creel survey clerk on a recent fishing trip. We appreciate your cooperation during an interview. The survey only takes a few minutes of your time, and it gives the DNR valuable information needed for management of the fishery.

This report provides estimates of:

1. Overall fishing effort (pressure)
2. Fishing effort directed at each species
3. Numbers of fish caught and harvested
4. Catch and harvest rates

Also included are a physical description of the lake, discussion of results of the survey, and detailed summaries of fishing effort, catch and harvest.

## GENERAL LAKE INFORMATION



### LOCATION

Whitefish Lake is located in Sawyer County near the town of Stone Lake.

### PHYSICAL CHARACTERISTICS

Whitefish Lake is a 786-acre drainage lake with a maximum depth of 105 feet. Littoral substrate consists primarily of sand, with lesser amounts of muck, and gravel. Whitefish Lake contains soft, slightly acidic, clear water of moderate transparency.

### SEASONS SURVEYED

The open-water creel survey ran from May 4 through Oct. 31, 2024, and the ice fishing creel survey ran from Dec. 1, 2024 through March 2, 2025.

### WEATHER

Ice-out on Whitefish Lake was around March 15, 2024. Fishable ice formed in mid-December.

### FISHING REGULATIONS

The following seasons, daily bag limits, and length limits were in place during the surveyed season:

SPECIES	SEASON	BAG LIMIT	MIN. SIZE
Largemouth Bass	5/ 4-3/ 2	5	none
Smallmouth Bass	6/ 15-3/ 2	1	18"
Largemouth and Smallmouth Bass Catch and release only all other times of year			
Musky	5/ 25- 12/ 31	1	50"
Northern Pike	5/ 4-3/ 2	5	none
Walleye	5/ 4-3/ 2	3	18"
Lake Whitefish	year round	10	none
Panfish	year round	25	none
Rock Bass	year round	none	none

## SPECIES CATCH AND HARVEST INFORMATION

Summaries of angling effort, catch and harvest information for each species are in Table 2 and Figures 1-11, along with a comparison of these statistics with the previous creel survey in Table 2, if available. Information about species with fishing seasons extending beyond the season surveyed should be considered minimum estimates. Each species page has up to five graphs depicting the following:

- ESTIMATED FISHING EFFORT**  
The estimated number of hours during each month that anglers spent fishing for a species.
- ESTIMATED CATCH AND HARVEST**  
The estimated number of fish of the indicated species caught or harvested by all anglers, regardless of targeted species.
- ESTIMATED SPECIFIC CATCH AND HARVEST RATES**  
The estimated number of hours it takes an angler to catch or harvest a fish of the indicated species. Only information from anglers who were specifically targeting that species is reported.
- LENGTH DISTRIBUTION OF HARVESTED FISH**  
All fish of a species that were measured by the clerk during the entire creel survey season.
- LARGEST AND AVERAGE LENGTH OF HARVESTED FISH**  
The largest and average length of a species of fish harvested that month. Only fish measured by the creel survey clerk are reported.

# CREEL SURVEY RESULTS AND DISCUSSION

## SURVEY LOGISTICS

We encountered no unusual problems conducting the survey or calculating the projections contained in the report.

## GENERAL ANGLER INFORMATION

Anglers spent 15,024 hours, or 19.1 hours per acre, fishing Whitefish Lake during the 2024-25 season (Table 1). That was less than the Sawyer County average of 28 hours per acre, and less than the fishing effort documented during the 2002-03 creel survey (22.6 hours per acre). August was the most heavily fished month (3,242 hours), and fishing effort was lightest in October (443 hours). The creel clerks were able to conduct 583 interviews throughout the survey.

## RESULTS BY SPECIES

### WALLEYE (Table 2, Figure 1)

Walleye received 17.2 percent of the fishing effort during the season. Anglers spent 3,659 hours targeting Walleye. The greatest fishing effort for Walleye was in July (929 hours). January had the least amount of Walleye fishing effort (72 hours).

Total catch of Walleye was 631 fish, with a harvest of 146. Highest catch (225 fish) occurred in June, and highest harvest (59 fish) occurred in May. Anglers fished an average of 6.7 hours to catch and 27.2 hours to harvest a Walleye during the survey. The mean length of harvested Walleye was 20.2 inches, and the largest measured was a 25.3-inch fish.

### NORTHERN PIKE (Table 2, Figure 2)

Fishing effort directed at Northern Pike was 2,662 hours during the season. Northern Pike fishing effort was greatest in July (684 hours). Total catch of Northern Pike was 1,371 fish, with a harvest of 33. Anglers fished an average of 3.6 hours to catch a Northern Pike during the survey. The mean length of harvested Northern Pike was 26.8 inches, and the largest measured was a 35-inch fish.

### MUSKELLUNGE (Table 2, Figure 3)

Anglers spent 2,148 hours targeting Muskellunge during the season. Muskellunge fishing effort was greatest in August (647 hours). Total catch of Muskellunge was 52 fish, and the highest catch (25 fish) occurred in July. Anglers fished 47.4 hours to catch a Muskellunge, and there was no documented harvest during the survey.

### SMALLMOUTH BASS (Table 2, Figure 4)

Fishing effort targeted at Smallmouth Bass was 2,555 hours during the season. Smallmouth Bass fishing effort was greatest in July (715 hours). Total catch of Smallmouth Bass was 1,576 fish, with 6 harvested. Highest catch (552 fish) occurred in May. Anglers fished an average of 2.2 hours to catch a Smallmouth Bass during the survey.

### LARGEMOUTH BASS (Table 2, Figure 5)

Fishing effort directed at Largemouth Bass was 4,746 hours during the season. Largemouth Bass fishing effort was greatest in July (1,365 hours). Total catch of Largemouth Bass was 6,141 fish, with a harvest of 672. Highest catch (1,638 fish) occurred in July. Anglers fished an average of 1 hour to catch a Largemouth Bass during the survey.

### PANFISH (Table 2, Figures 6-10)

**YELLOW PERCH** received 263 hours of directed fishing effort. Total catch of Yellow Perch was 198 fish, with 16 harvested. The mean length of harvested fish was 9.6 inches.

**BLUEGILL** received 1,514 hours of directed fishing effort. Total catch of Bluegill was 3,924 fish, with 237 harvested. The mean length of harvested fish was 7.3 inches.

**BLACK CRAPPIE** received 2,061 hours of directed fishing effort. Anglers caught 2,560 Black Crappie and harvested 1,264. The mean length of harvested fish was 10.5 inches.

**PUMPKINSEED** received 149 hours of directed fishing effort. Anglers caught 367 Pumpkinseed and harvested 41. The mean length of harvested fish was 7.4 inches.



**ROCK BASS** received no directed fishing effort. Anglers caught 493 Rock Bass and harvested 35. The mean length of harvested fish was 7.1 inches.

**LAKE WHITEFISH** (Table 2, Figure 11) received 1,561 hours of directed fishing effort. Anglers caught 616 Lake Whitefish and harvested 406. The mean length of harvested fish was 16 inches.

## **ACKNOWLEDGMENTS**

The DNR would like to thank all the anglers who took the time to offer information about their fishing trip to the survey clerk. Without their cooperation, the survey would not have been possible.

We also thank our cooperator, Jane Getting, who generously allowed the DNR to keep a boat on their property during this survey.

Completion of this survey was possible because of the efforts of the following treaty fisheries staff: Angelena Sikora, Gene Hatzenbeler, Todd Brecka, Misty Rood, Bill Sobaski and Dan Nelson. Creel clerk during the survey period was Matthew Kufahl.

This creel report was reviewed by Angelena Sikora and Gene Hatzenbeler.

Additional copies of this report, and those covering other local lakes, can be obtained online at:

<http://dnr.wi.gov/topic/Fishing/north/trtycr/srvys.html>

**Table 1. Sportfishing effort summary, Whitefish Lake, 2024-25 season; compared to 2002-03 creel results, Sawyer County averages, and Ceded Territory averages.**

Month	Number of Angler Party Interviews	Total Angler Hours	Total Angler Hours/Acre	2002-03 Total Angler Hours/Acre	Sawyer County Average Hours/Acre	Ceded Territory Average Hours/Acre
May	79	2,177	2.8	1.5	4.3	4.8
June	65	2,232	2.8	4.1	5.5	6.2
July	91	3,218	4.1	5.7	5.6	6.6
August	107	3,242	4.1	5.0	4.8	5.2
September	75	1,748	2.2	3.0	3.9	3.2
October	27	443	0.6	1.6	1.8	1.4
December	34	550	0.7	0.3	0.5	1.1
January	50	660	0.8	0.5	0.8	1.7
February	46	650	0.8	0.8	0.8	1.6
March	9	104	0.1	0.1	0.1	0.2
Summer Total	444	13,060	16.6	20.9	25.9	27.4
Winter Total	139	1,964	2.5	1.7	2.1	4.6
Grand Total	583	15,024	19.1	22.6	28.0	32.0

Note: Summer is May-October; Winter is December-March

**Number of Angler Party Interviews** is the number of groups of anglers interviewed by the creel clerk. A party is considered the members of a group who fish together in the same boat, ice shanty or from shore. The clerk fills out one interview form for each group of anglers. The number of individual anglers actually contacted by the clerk is usually much greater than the number of groups listed in this table since most groups consist of more than one angler.

**Total Angler Hours** is the estimated total number of hours that anglers spent fishing on Whitefish Lake during each month surveyed.

**Total Angler Hours/Acre** is the total angler hours divided by the area of the lake in acres. This is useful in order to compare effort on Whitefish Lake to other lakes.

**2002-03 Total Angler Hours/Acre** is the total angler hours divided by the area of the lake in acres. This is from the previous creel survey that took place on Whitefish Lake.

**County Average Hours/Acre** is the average angler effort in hours per acre for county lakes that have been surveyed since 1990. This value is useful for fishing pressure comparisons with other waters.

**Ceded Territory Average Hours/Acre** is the average angler effort in hours per acre for inland lakes in the Ceded Territory that have been surveyed since 1990. This value can be used to compare Whitefish Lake to other lakes in northern Wisconsin.

**Table 2. Comparison of creel survey synopses, Whitefish Lake, 2024-25 and 2002-03 fishing seasons.**

**CREEL YEAR: 2024-25**

SPECIES	DIRECTED EFFORT (Hours)	PERCENT OF TOTAL	TOTAL CATCH	SPECIFIC CATCH RATE (Hrs/Fish)	TOTAL HARVEST	SPECIFIC HARVEST RATE (Hrs/Fish)	MEAN LENGTH OF HARVESTED FISH
Walleye	3,659	17.2%	631	6.7	146	27.2	20.2
Northern Pike	2,662	12.5%	1,371	3.6	33	212.8	26.8
Muskellunge	2,148	10.1%	52	47.4	0	*	**
Smallmouth Bass	2,555	12.0%	1,576	2.2	6	454.5	18.2
Largemouth Bass	4,746	22.3%	6,141	1.0	672	7.6	12.5
Yellow Perch	263	1.2%	198	2.8	16	30.4	9.6
Bluegill	1,514	7.1%	3,924	0.5	237	7.3	7.3
Black Crappie	2,061	9.7%	2,560	0.8	1,264	1.7	10.5
Pumpkinseed	149	0.7%	367	1.8	41	36.2	7.4
Lake Whitefish	1,561	7.3%	616	2.6	406	3.9	16.0
Rock Bass	0	0.0%	493	*	35	*	7.1
Longnose Gar	0	0.0%	22	*	0	*	**
Cisco	0	0.0%	2	*	0	*	**
Yellow Bullhead	0	0.0%	4	*	0	*	**

**CREEL YEAR: 2002-03**

SPECIES	DIRECTED EFFORT (Hours)	PERCENT OF TOTAL	TOTAL CATCH	SPECIFIC CATCH RATE (Hrs/Fish)	TOTAL HARVEST	SPECIFIC HARVEST RATE (Hrs/Fish)	MEAN LENGTH OF HARVESTED FISH
Walleye	7,603	30.3%	1,585	4.9	515	15.5	18.3
Northern Pike	3,628	14.5%	2,088	5.1	257	25.3	25.0
Muskellunge	4,967	19.8%	145	39.1	0	*	**
Smallmouth Bass	2,549	10.2%	3,038	1.9	154	42.1	15.9
Largemouth Bass	1,843	7.3%	1,621	2.9	58	57.0	14.4
Yellow Perch	388	1.5%	1,532	3.3	44	*	8.0
Bluegill	1,168	4.7%	4,563	0.7	195	17.7	6.6
Black Crappie	1,984	7.9%	1,955	1.1	981	2.1	10.0
Pumpkinseed	461	1.8%	1,130	1.3	45	14.5	7.1
Lake Whitefish	497	2.0%	214	2.3	213	2.3	14.5
Rock Bass	0	0.0%	480	*	84	*	7.8

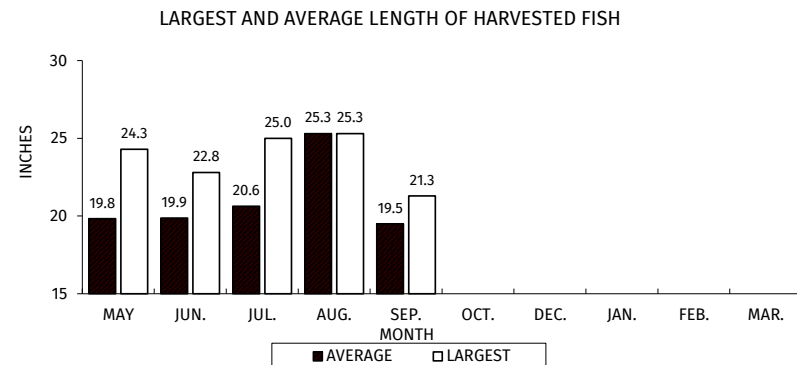
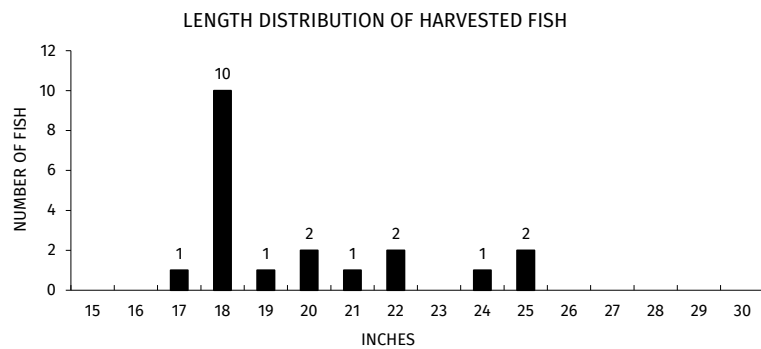
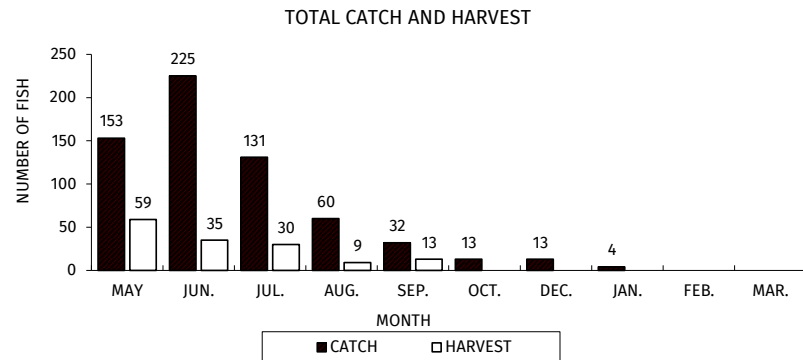
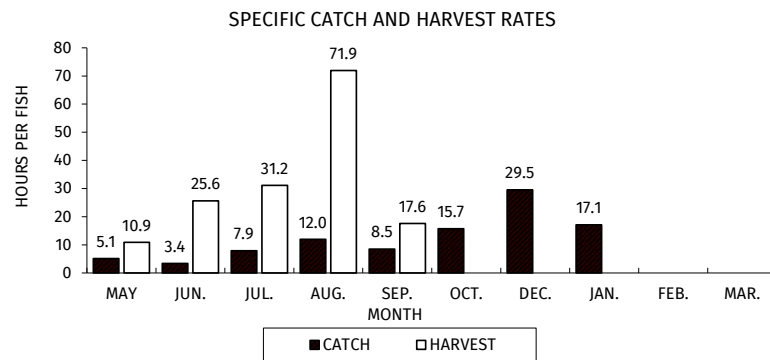
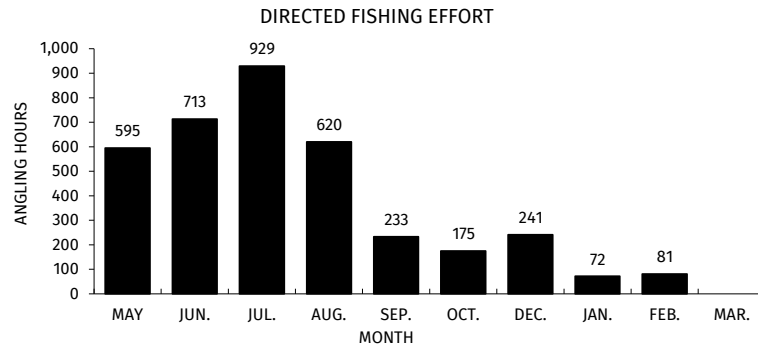
Note: If a species is not shown in a table, no data was collected by the creel clerks for that species.

\* Indicates that no fish of this species were caught or harvested (depending on the column) by anglers who specifically targeted this species.

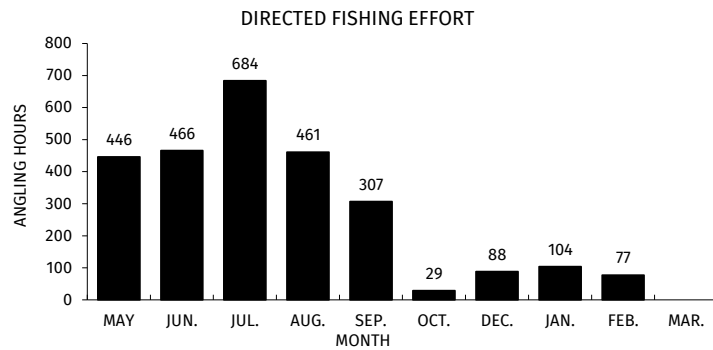
\*\* Indicates that no fish were measured by the creel clerks for this species.



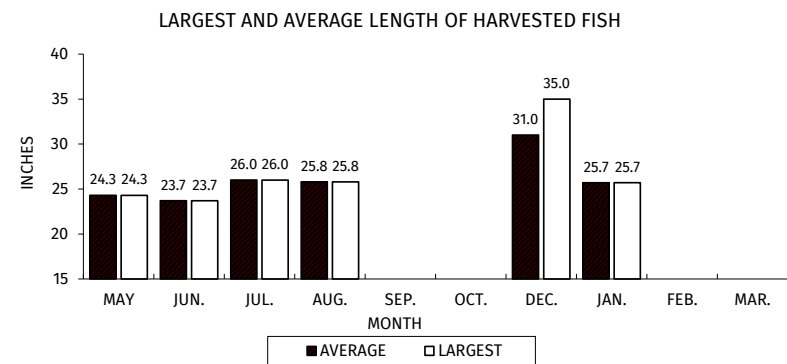
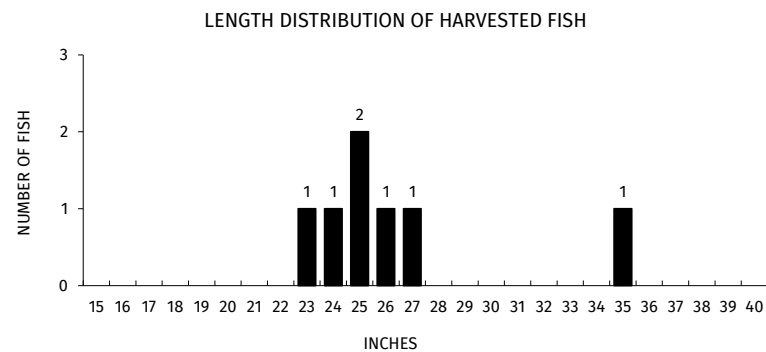
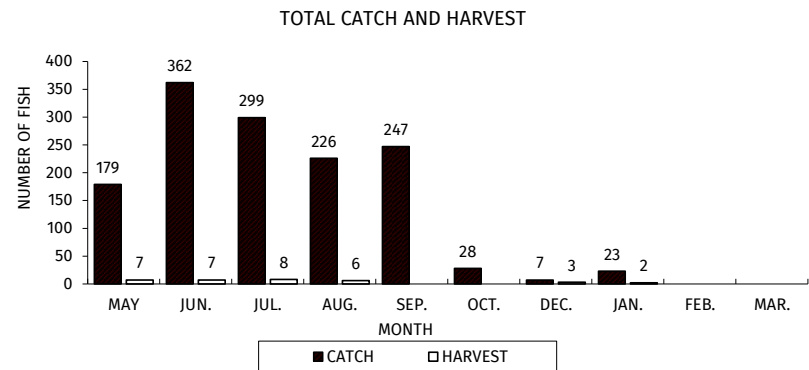
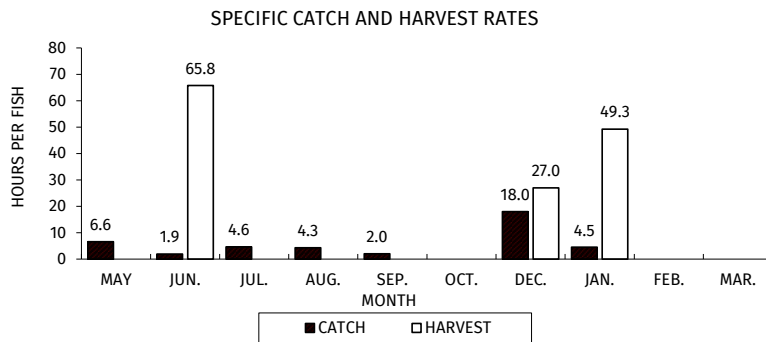
# WALLEYE



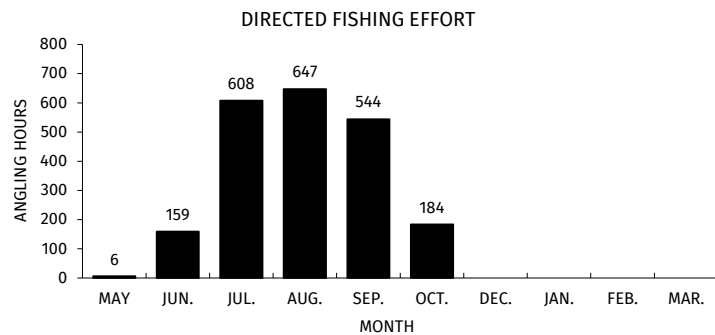
**Figure 1. Walleye sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**



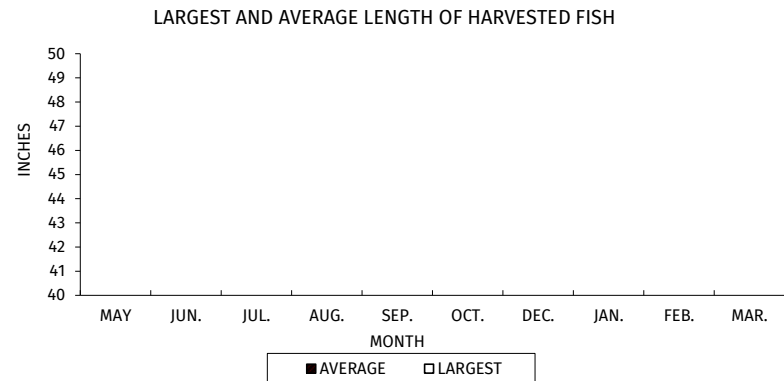
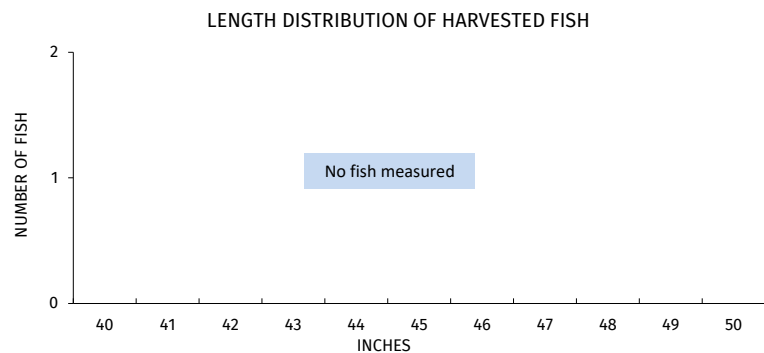
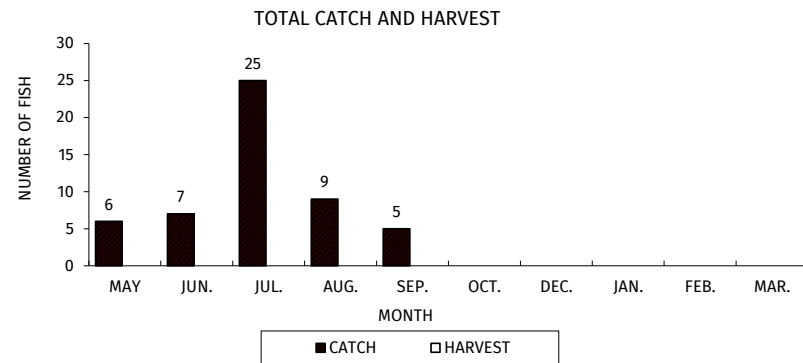
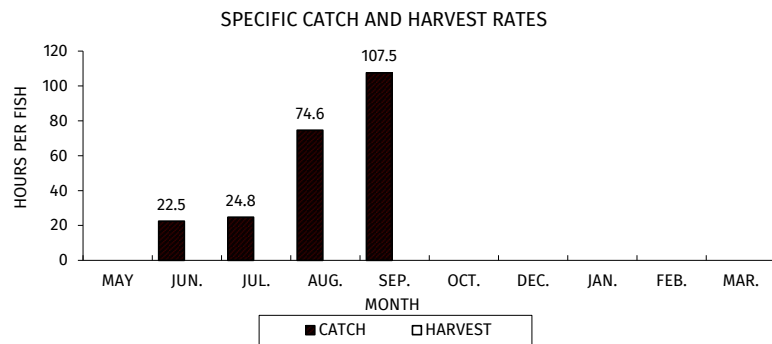
## NORTHERN PIKE



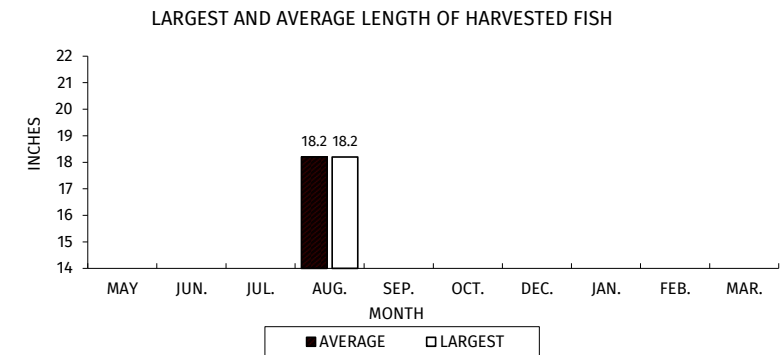
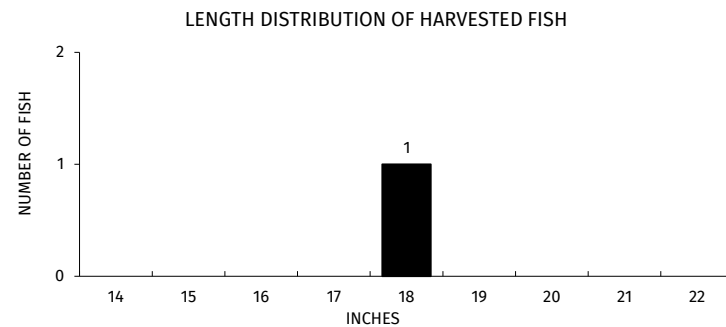
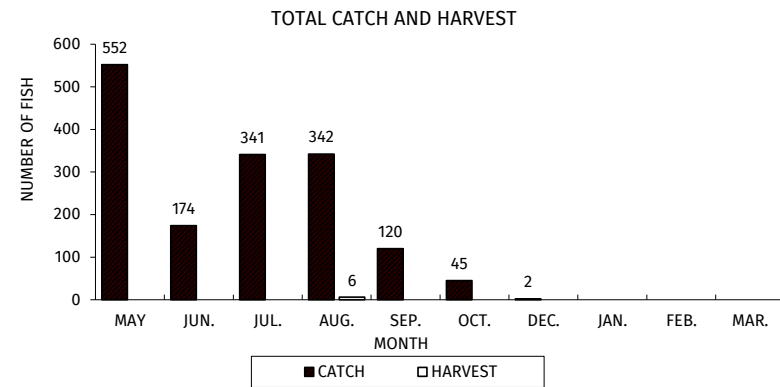
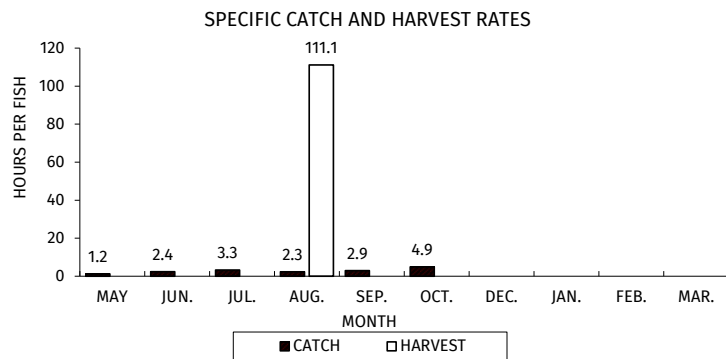
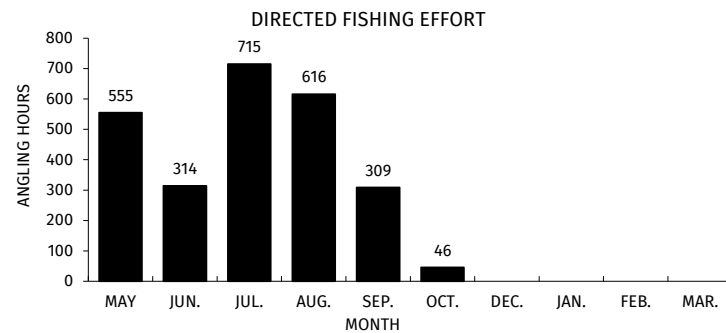
**Figure 2. Northern Pike sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**



## MUSKELLUNGE

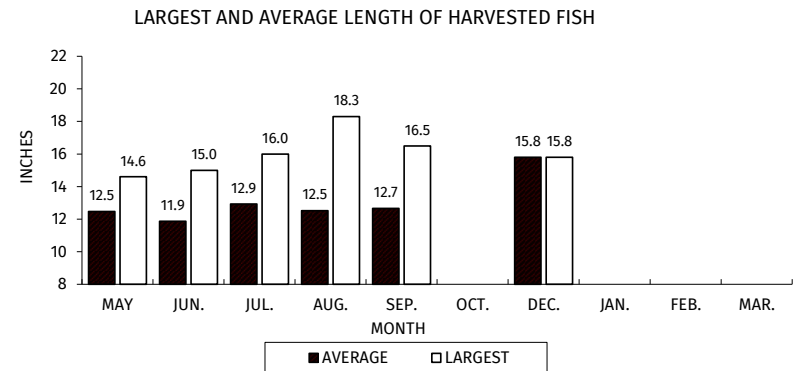
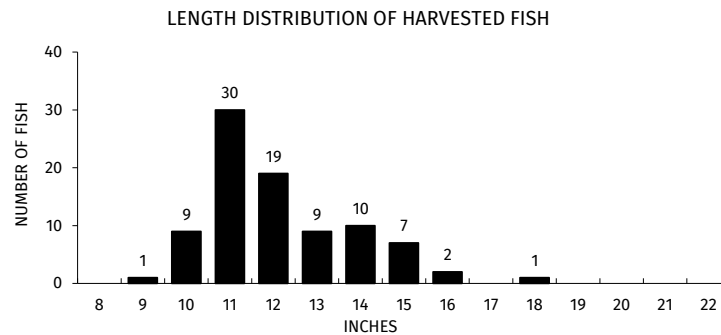
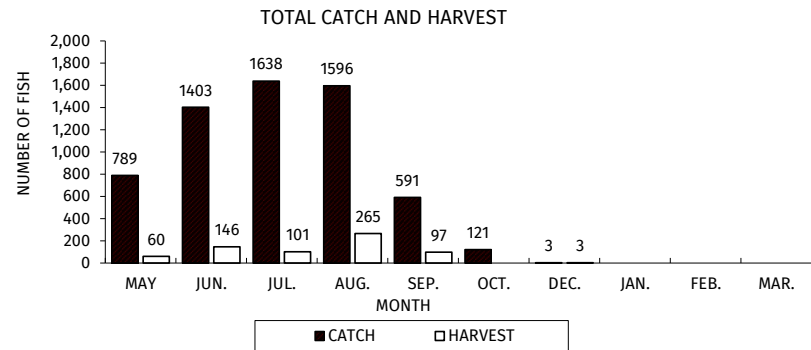
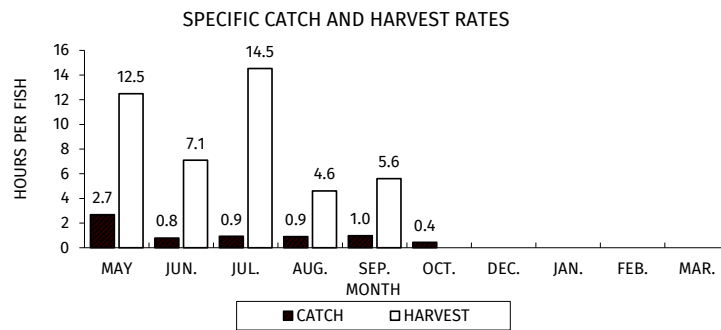
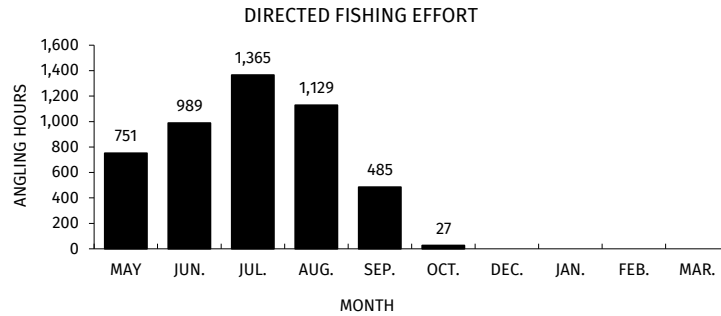
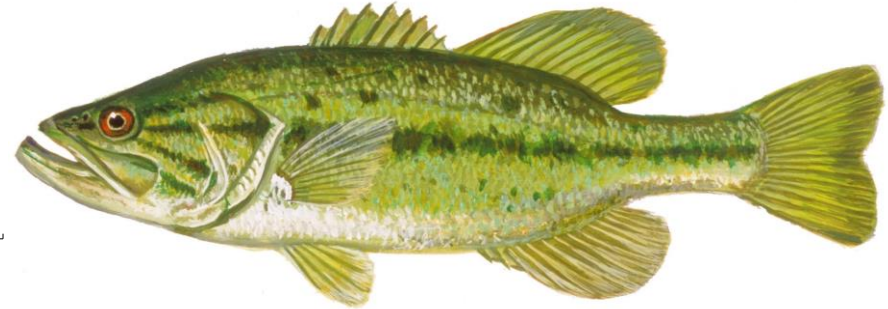


**Figure 3. Muskellunge sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**



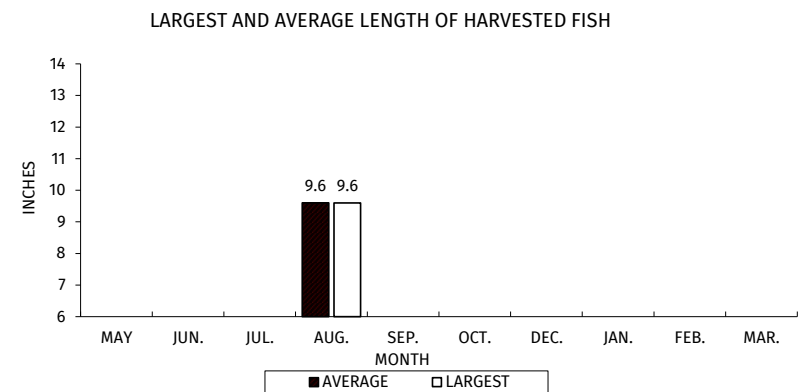
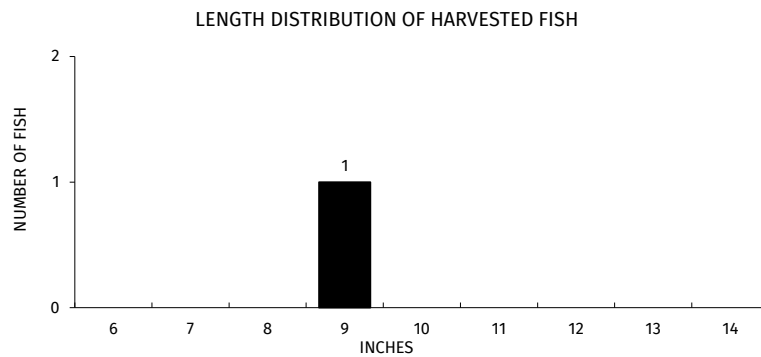
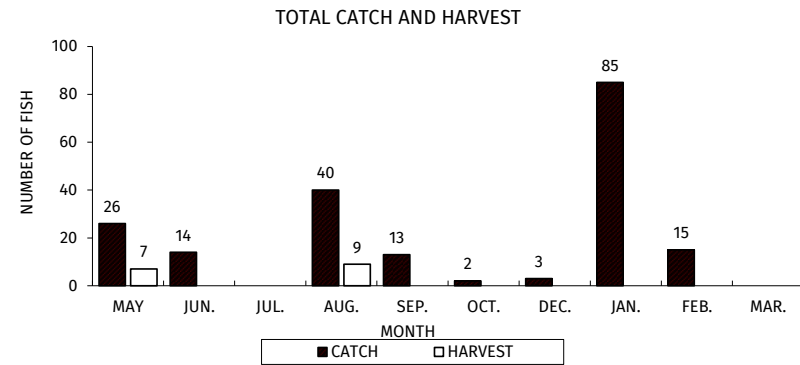
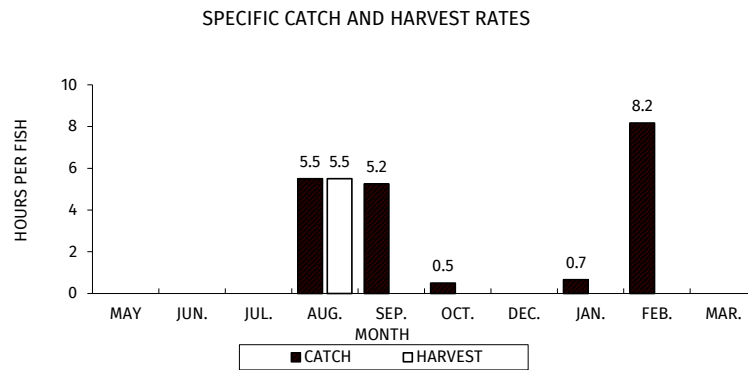
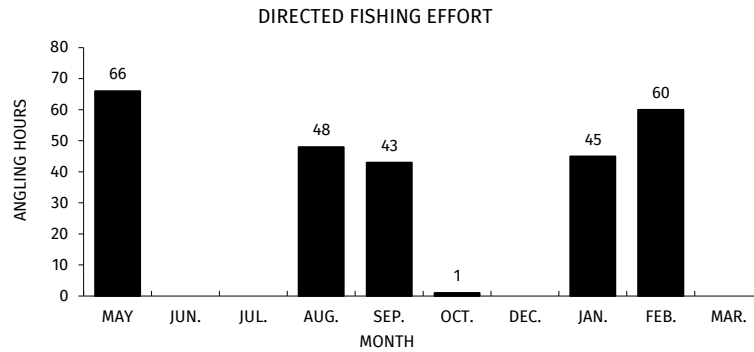
**Figure 4. Smallmouth Bass sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**

## LARGEMOUTH BASS



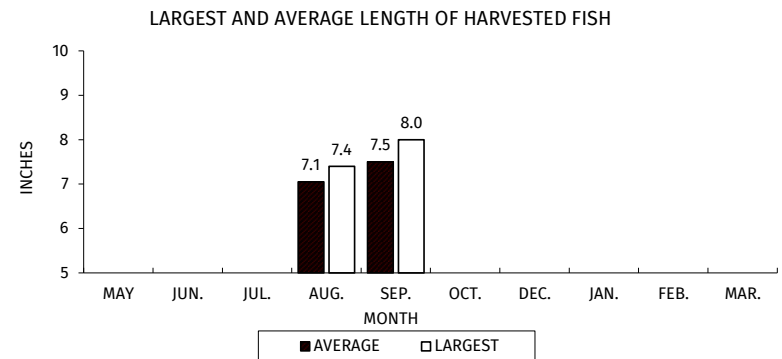
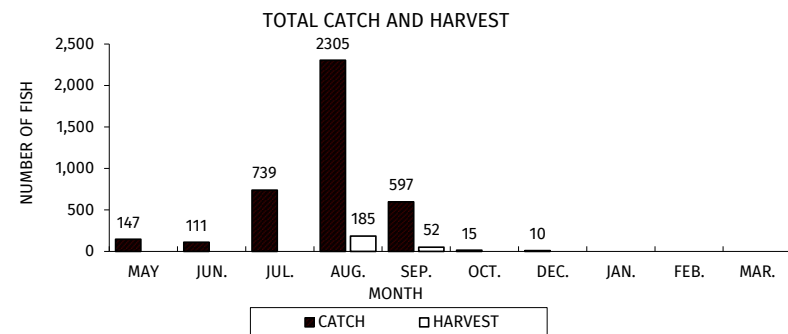
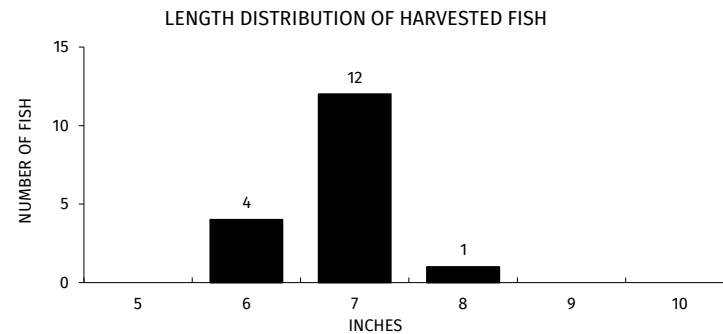
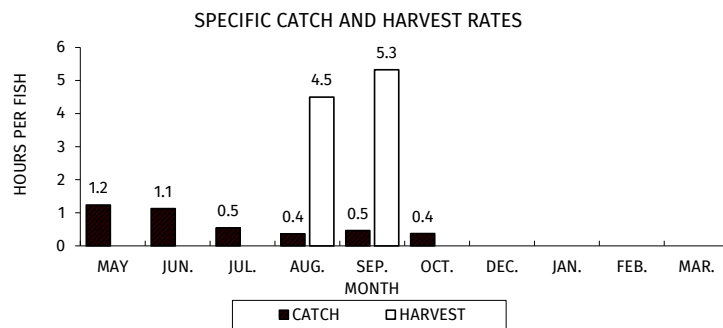
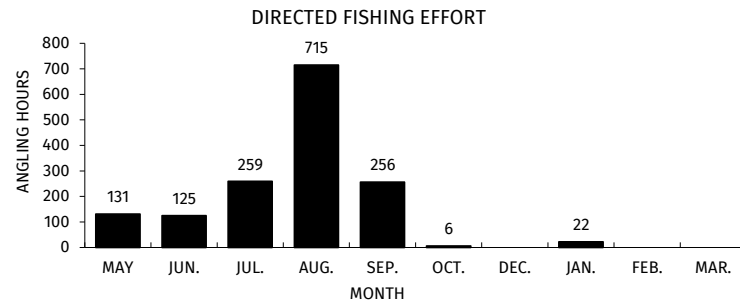
**Figure 5. Largemouth Bass sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**

## YELLOW PERCH



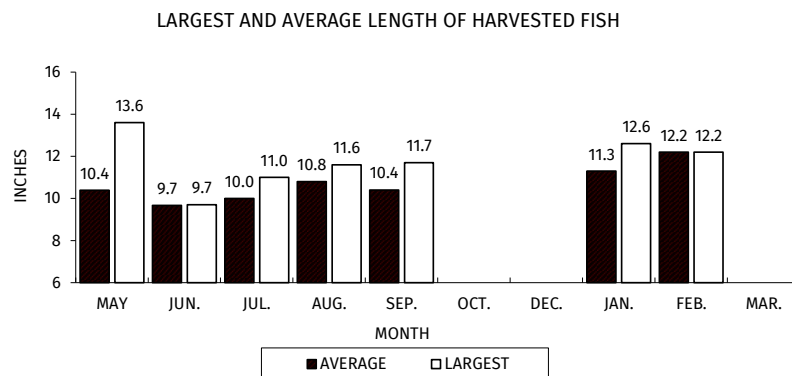
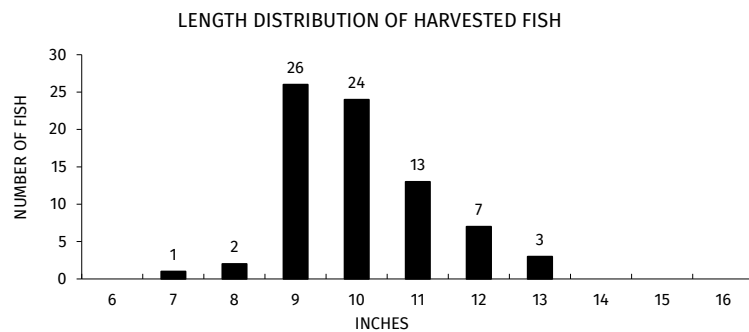
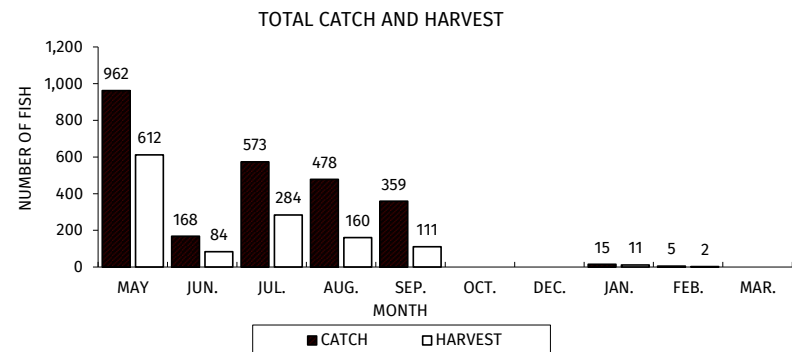
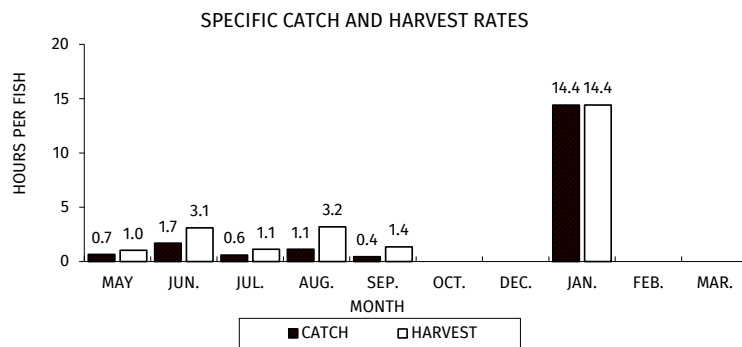
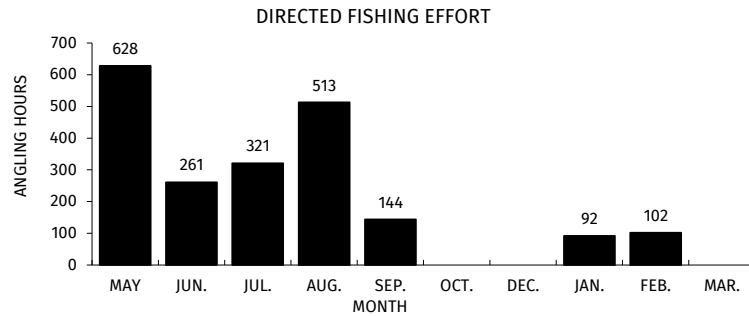
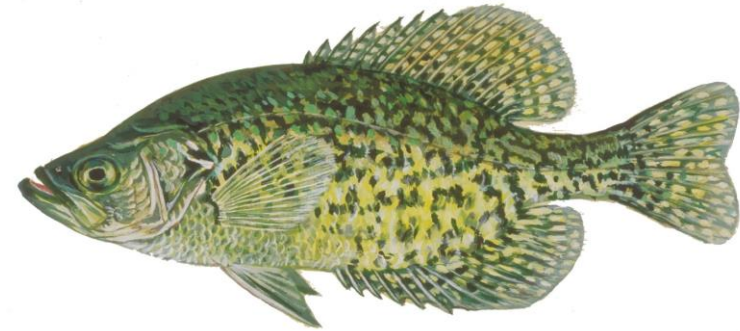
**Figure 6. Yellow Perch sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**





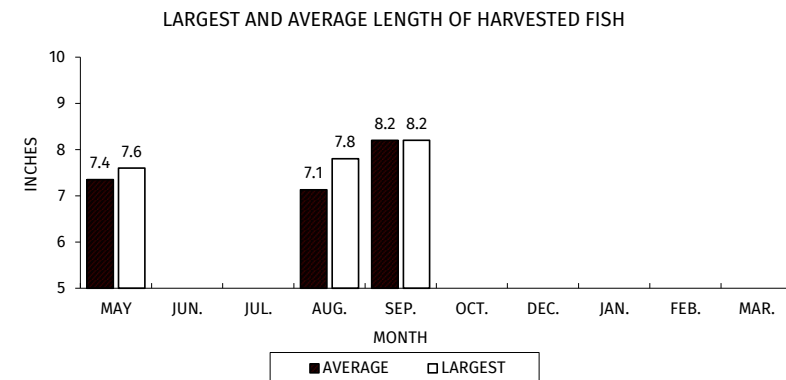
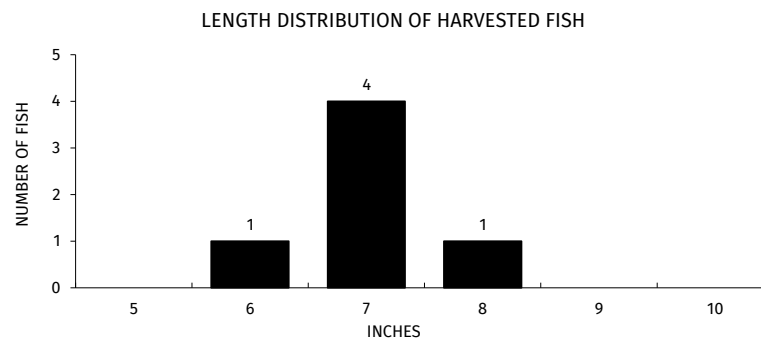
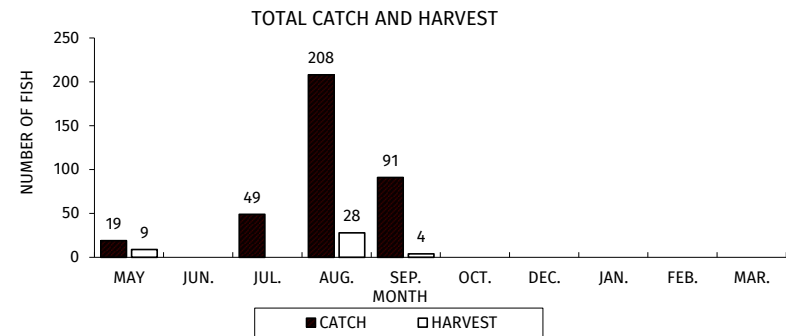
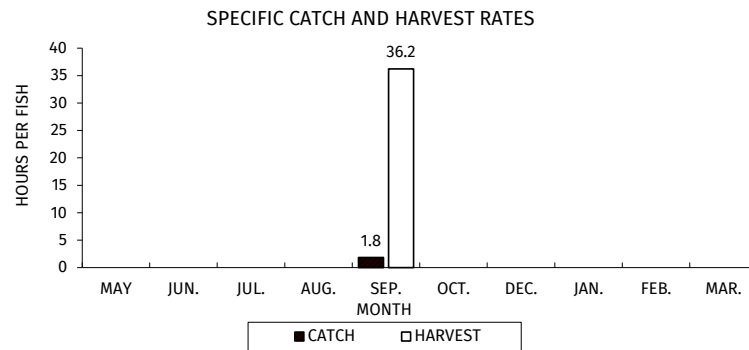
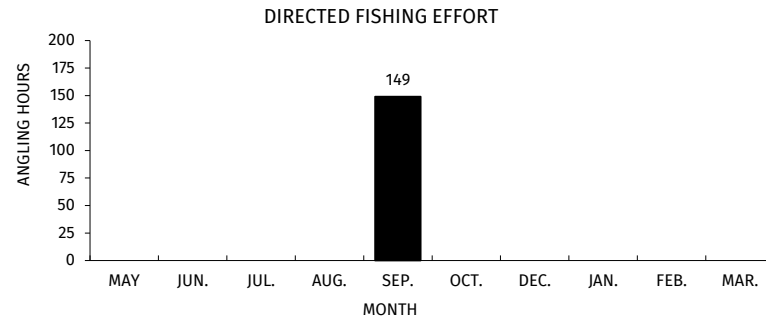
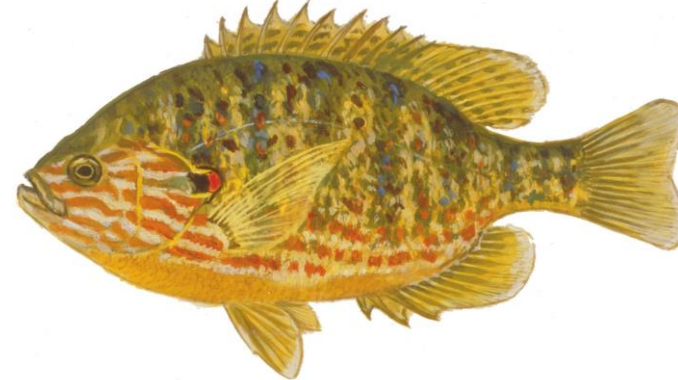
**Figure 7. Bluegill sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**

## BLACK CRAPPIE



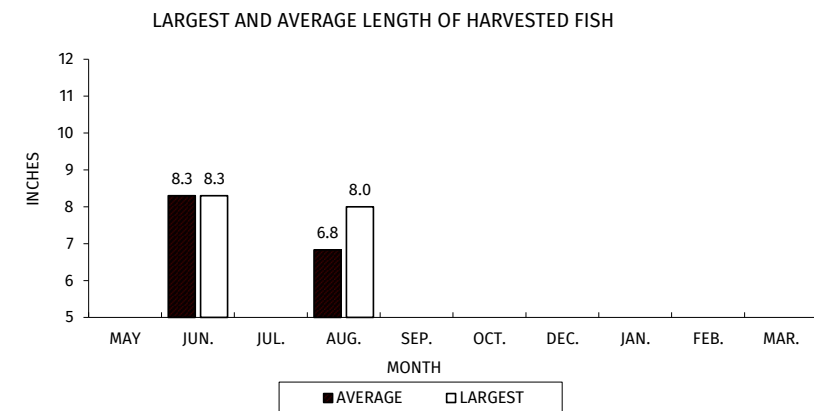
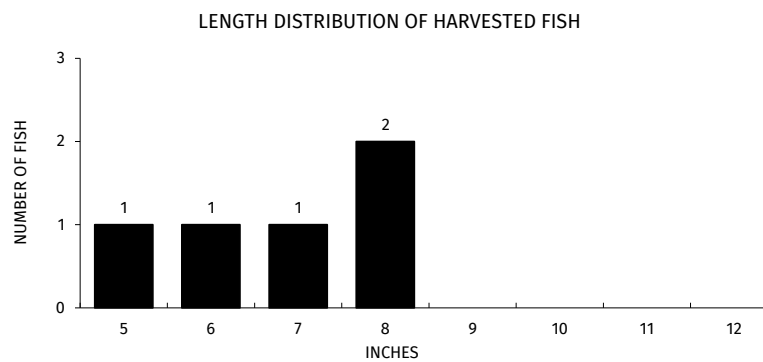
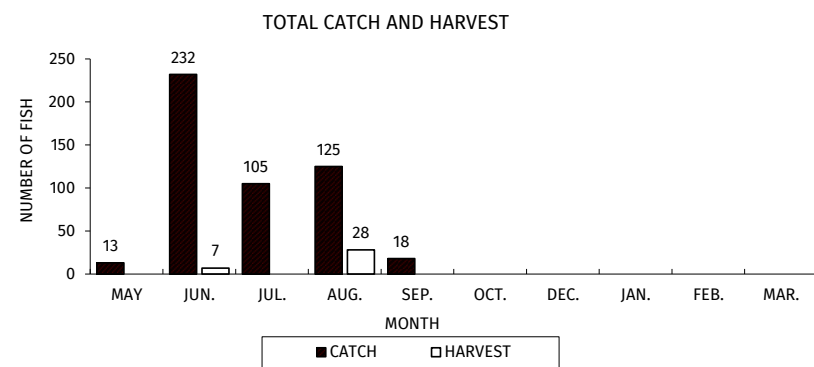
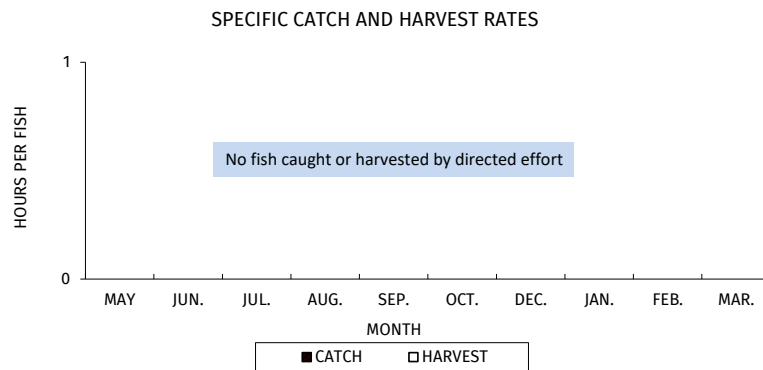
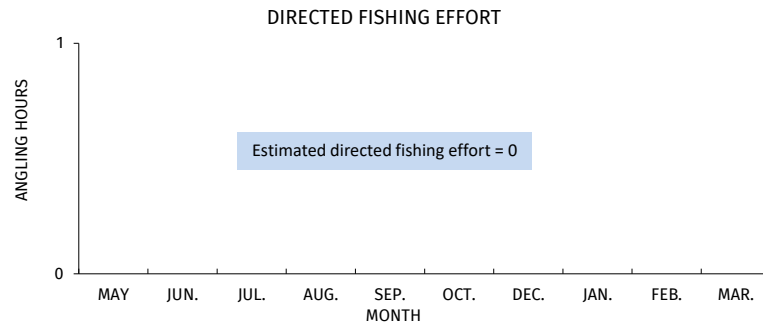
**Figure 8. Black Crappie sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**

## PUMPKINSEED



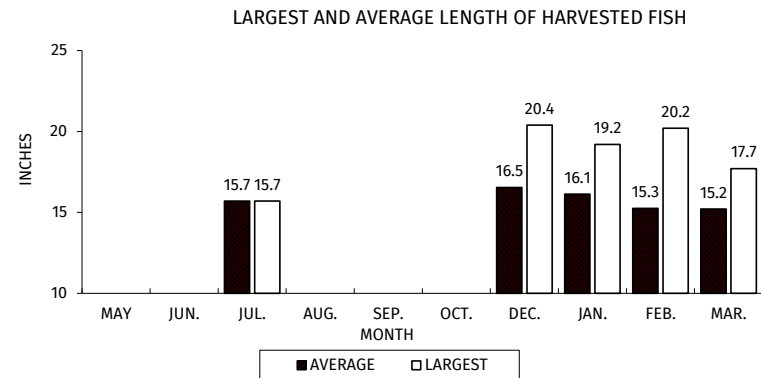
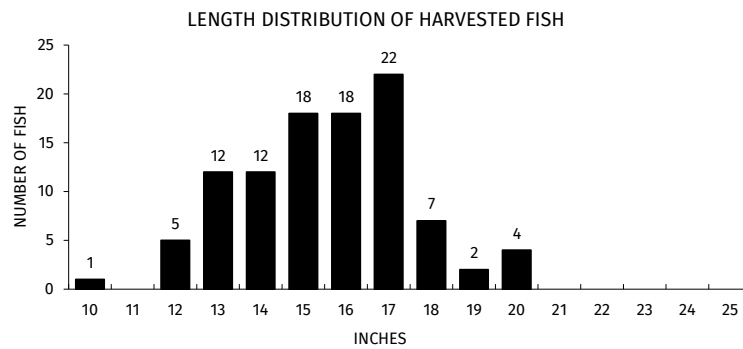
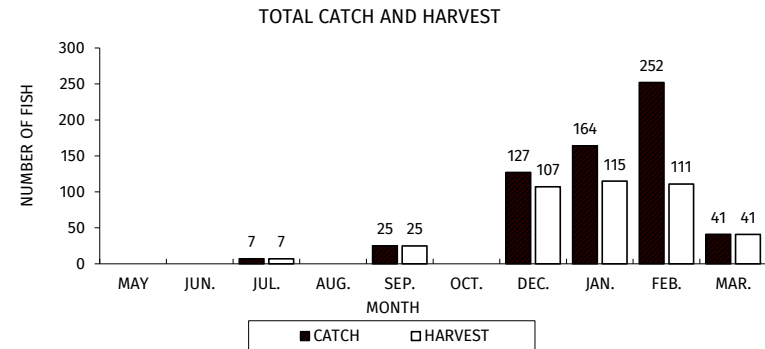
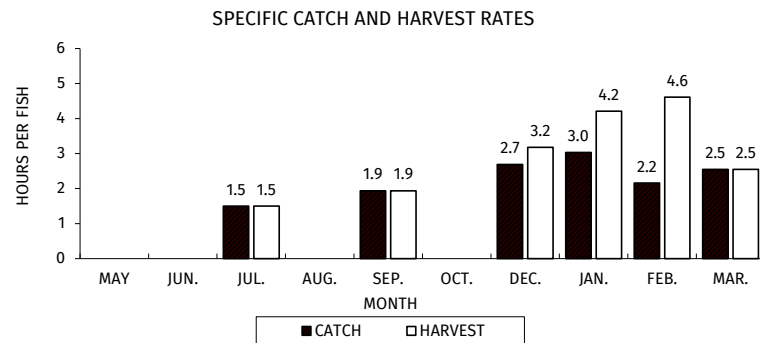
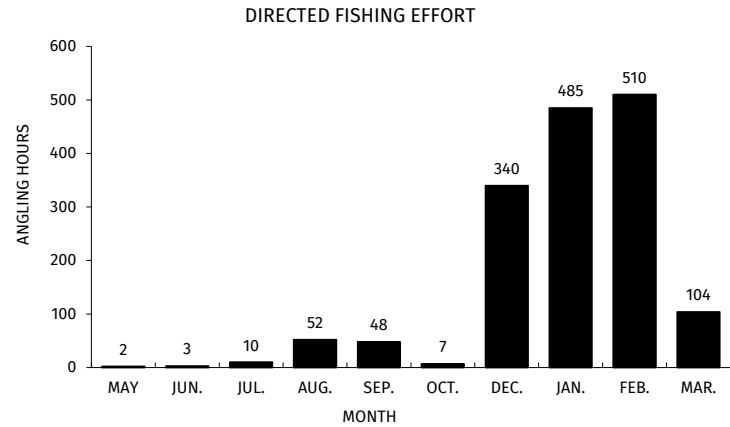
**Figure 9. Pumpkinseed sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**

## ROCK BASS



**Figure 10. Rock Bass sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**

## LAKE WHITEFISH



**Figure 11. Lake Whitefish sportfishing effort, catch, harvest, and length distribution, Whitefish Lake, during 2024-25.**