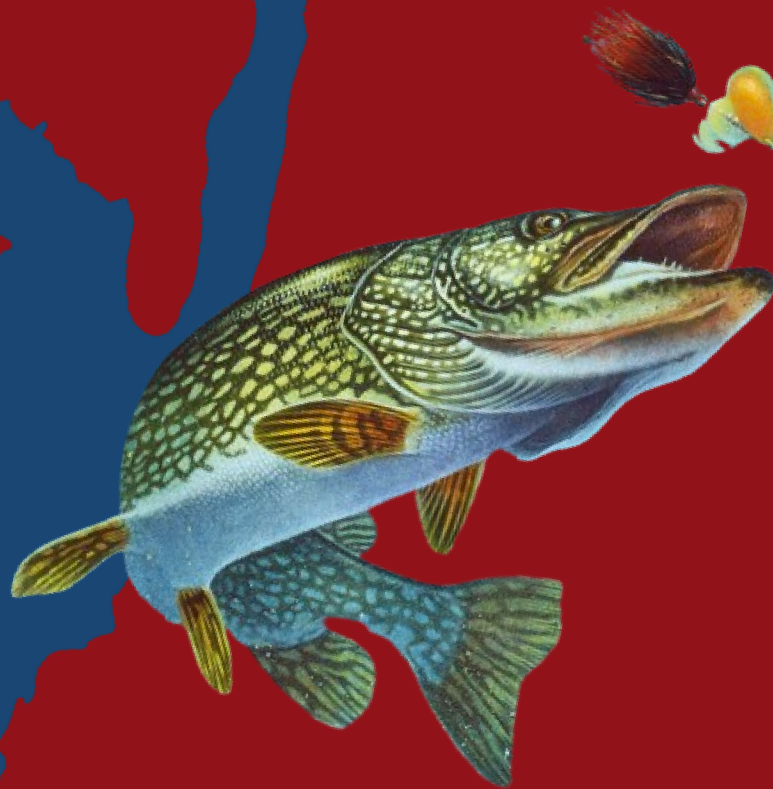


CREEL SURVEY



THE GREAT SACANDAGA LAKE



PROGRESS REPORT

BROADALBIN-PERTH SCIENCE RESEARCH

2024

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This document has been modeled after previous creel surveys prepared by the NYSDEC and WDNR

Introduction:

Fish populations can fluctuate due to a variety of factors including natural variables like climate, reproductive success, predators, and competition. Human activities such as fish harvesting, stocking, habitat change, and the introduction of invasive species can also have significant impacts. The New York State Department of Environmental Conservation (NYSDEC) regularly conducts fishery surveys on lakes and reservoirs to gather the information needed to monitor changes, identify concerns, evaluate past management actions, and prescribe fishery management strategies. Surveys are also 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, growth rates, and angler harvest.

Creel surveys are performed to gain insight into recreational angling perceptions, efforts, and harvests to inform future decision-making. Creel surveys are a valuable tool for fisheries managers to use in understanding the systems they manage and how the public interacts with them. A creel survey is an assessment tool used to sample the fishing activities of anglers on a body of water to make estimates of harvest and other fishery parameters.

Data is collected on what species are fished for, catch, harvest, lengths of fish caught, marks (fin clips or tags), and hours of fishing effort. Collecting completed trip data provides the most accurate assessment of angling activities and it avoids the need to disturb anglers while they are fishing.

The data collected are estimates based on the best information available and not a complete accounting for effort, catch, and harvest. Accurate estimates require 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 data is collected.

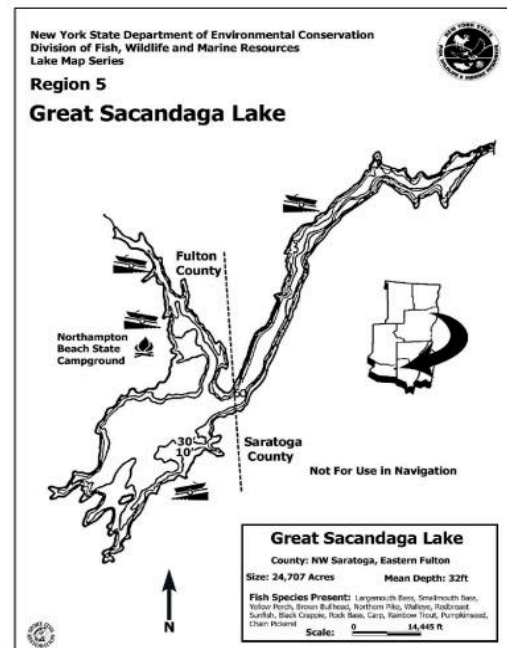
The data collected for this report was obtained and analyzed by members of the Broadalbin-Perth High School Science Research course. Fishing trips were conducted by both the research class and the Broadalbin-Perth Fishing Club in the southern basin of the Great Sacandaga Lake. *Since the data collected was limited to these two groups, this report is considered a modified version of a complete creel survey and merely a progress report of the Great Sacandaga Lake fishery.*

The Great Sacandaga Lake Information:

The Great Sacandaga Lake (GSL) is 29.2 miles long and encompasses parts of Fulton and Saratoga County, New York. It was created as a reservoir in 1930 following the completion of the Conklingville

Dam. The damming of the Sacandaga River has provided flood control and flow augmentation in the Hudson Valley and provides many recreational opportunities for outdoor enthusiasts. The lake is one of the largest in the Adirondack region, and because of its size, there are many different types of fish to meet any angler's desire. The lake is managed by the Hudson River-Black River Regulating District with shorelines of private and public access including residential homes, boat launches, restaurants, marinas, campgrounds, and beaches. It is classified as a meso-oligotrophic lake which means it is a water body that has relatively intermediate productivity due to the low/moderate nutrient content in the lake. The Great Sacandaga Lake is considered a two-story fishery, capable of supporting warm-water species like bass and cold-water species such as trout.

Map of the Great Sacandaga Lake:



NYS Fishing Regulations:

The following fishing seasons, daily bag limits and length limits were in place on the Great Sacandaga Lake during the 2024 fishing season:

Species	Season	Bag Limit	Min. Size
Smallmouth Bass	June 15 - Nov. 30	5	12"
Walleye	May 1 - Mar. 15	5	15"
Northern Pike	May 1 - Mar. 15	5	18"
Panfish (Rock Bass)	All Year	None	None
Perch	All Year	50	None

Seasons Surveyed:

The open-water creel survey period referred to in this report ran from April 22, 2024, through October 25, 2024. Two seasons were fished and subsequently surveyed; spring 2024 and fall 2024.

Census Days:

The survey effort was divided into two seasonal periods: late spring (afternoon and evening trips) and early to mid-fall (afternoon and evening trips). Trips and the amount of time fished were adjusted throughout the creel survey to account for changing weather and sunset times.

General Angler Information:

Anglers spent 101.25 hours or 47 trips fishing the Great Sacandaga Lake during the 2024 season. May was the most heavily fished month (52.50 hours), and fishing effort was lightest in April (6.00 hours).

Creel Survey Methods:

A creel survey was conducted on the Great Sacandaga Lake from April 22 to October 25, 2024. The survey was designed to estimate the angling effort, catch, and harvest of fish on the Great Sacandaga Lake during the spring and fall boating seasons. The survey consisted of boat angler counts via trips taken by the Broadalbin-Perth Fishing Club and the Broadalbin-Perth Science Research Class. Three shore angler trips were collected while conducting the survey. The following data points were collected:

1. Total effort (days and hours)
2. Total catch, harvest, and release
3. Catch rates
4. Species targeted
5. Method of fishing
6. Fish lengths

Fish Species in the Great Sacandaga Lake:

The Great Sacandaga Lake is home to over 20 fish species including Largemouth Bass, Smallmouth Bass, Yellow Perch, White Perch, Brown Bullhead, Northern Pike, White Sucker, Redbreast Sunfish, Pumpkinseed, Rock Bass, Brown Trout, Rainbow Trout, Channel Catfish, Chain Pickerel, Common Carp, Black Crappie, and Walleye.

The following fish were caught and recorded during the 2024 modified creel survey:

Smallmouth Bass (*Micropterus dolomieu*)



Smallmouth bass are found in lakes and rivers throughout New York. Young smallmouth bass feed upon aquatic insect larvae such as mayflies and dragonflies. As bass grow larger they begin to feed increasingly upon other fishes and crayfish. Smallmouth bass are uniquely suited for feeding upon crayfish, which provide an energy source not generally available to other fish predators. Smallmouth bass are usually found along lake shorelines, even during summer when they can tolerate warm nearshore water temperatures. Larger smallmouth bass are generally found in association with underwater "structures" such as large boulders, submerged trees, or underwater vegetation. These habitats provide smallmouth bass with a place they can ambush prey, as well as a place to hide from predators.

Walleye (*Sander vitreus*)



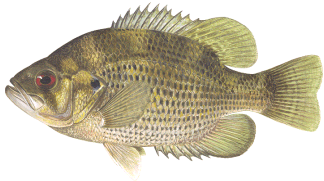
Walleyes are widely distributed in New York State in suitable habitat. They are found in approximately 75 lakes and many large rivers. Walleyes are the largest members of the perch family, sometimes reaching a length of over two feet and a weight approaching 12 pounds. Their diet is primarily other fish. Walleyes prefer large lakes with considerable areas of deep water and large rivers, with cold to moderately warm water temperatures the most favorable. As the surface water approaches 72°F, they slowly retreat to deeper and cooler waters. The walleye is considered by some to be the state's top sport fish and most agree it is the best-tasting food fish.

Northern Pike (*Esox lucius*)



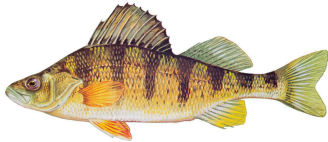
Northern pike inhabit most waters in New York. These fish prefer large rivers and medium to large lakes. They are loners, hunting in weedy or log-strewn shallows. Adult northern pike feed almost exclusively on fish, with just about any fish (including young pike) being potential prey. They are not selective in their feeding habits, supplementing their fish diet with aquatic insects, leeches, crayfish, frogs, snakes, small muskrats, and ducklings. The northern pike is one of the most rapidly growing fish, averaging 2-4 pounds and two feet long. These fish often reach the 20-pound class.

Rock Bass (*Ambloplites rupestris*)



Rock bass are present in most areas of New York except in the uniformly cold, high-altitude lakes of the Adirondacks. They prefer large lakes with rocky bottoms and streams with sluggish or moderate currents. They often are found in the same habitats as smallmouth bass. Rock bass are usually 6-8 inches in length. They sometimes reach lengths of 10-12 inches and weigh one pound or more. They are classified as panfish. Rock bass were the only panfish caught during the survey.

Yellow Perch (*Perca flavescens*)



The yellow perch is the most widely distributed member of the perch family and is common throughout New York. The favorite habitat of yellow perch is a weedy, warm-water lake. Schools of young perch feed on zooplankton. Young perch are slow swimmers and the schools provide abundant forage for most predacious fish. Larger yellow perch become important competitors with more highly valued sport fishes in some lakes. Although the yellow perch is not a fierce fighter when hooked, it is a popular panfish and good to eat. Perch seldom reach large sizes, the average being 1/4 to 3/4-pound fish of 6-10 inches. Easily caught on natural bait, flies, and small spinners, they are often the mainstay of ice fishermen using jigs and small minnows.

Great Sacandaga Lake Baitfish Survey:

Minnow traps were set in the mouth of Frenchman's Creek to survey the baitfish harboring the lake. Frenchman's Creek is a shallow tributary that empties into the east shore of the Great Sacandaga Lake. Surveyors also walked the shoreline along the east shore with nets to collect minnow species. A total of two species were caught and identified: Longnose dace and Blackchin shiner. Both species were not previously documented in the New York State Department of Environmental Conservation Great Sacandaga Lake fish database.

Longnose Dace (*Rhinichthys cataractae*)



The longnose dace has a stout and elongated body with a head that is somewhat flattened on top. Snout extends well beyond and overhangs the mouth. The upper lip of the mouth is not separated from the snout by a groove. The lips are thick giving the fish a sucker-like appearance. Scales are very small giving the fish a smooth-skinned appearance. The upper body is light olive-green to black with numerous dark-flecked scales; the lower body is silvery-white. The dace can get up to four inches in length.

Blackchin Shiner (*Notropis heterodon*)



The blackchin shiner is a small minnow, typically 5-7 cm in length, and is found in large schools. A black mid-lateral stripe runs across the body from the base of the tail, through the large eye, to the tip of the pointy snout, lower jaw, and chin. The pores of the lateral line are black, giving the dark line a zigzag pattern. A yellowish stripe runs above the dark stripe. Above the stripe, the body is brown-olive; below the stripe, the belly is pale yellow-white with a few dark speckles.

Acknowledgements:

Max Hale, Allee Jasewicz, Angela Leto, Kristofer Mabie, Jake Morin, Graden Murphy, Devon Oakden, Zachary Rattray, Alexander Rogers, Jack Samek, and Christopher Santos are members of Broadalbin-Perth High School and participated in the school's science research course from 2024-2025 under the supervision of Brian Henry.

This creel survey progress report was part of an ongoing multi-year investigation by the Broadalbin-Perth Science Research class. The authors gratefully acknowledge the Broadalbin-Perth Central School District administrators and grant writers; Broadalbin-Perth Fishing Club Advisor Marshall Gottung; The New York State Department of Environmental Conservation Fisheries Biologists Rob Fiorentino and Kyle Jones; The Great Sacandaga Lake Advisory Council; and The Great Sacandaga Lake Fisheries Federation.

Survey Photos:



Students in the Broadalbin-Perth Science Research class catch, measure, and record fish for the 2024 Great Sacandaga Lake Creel Survey.

Table 1. Overall Data Summary for 2024 Creel Survey

CATEGORY	DATA
Fishing Season (Winter, Spring, Summer, Fall)	Spring 2024
Total # of Angling Trips	27
Total # of Angling Hours	67.25
Average # of Angling Hours per Trip	2.59
Total # of Fish Caught	701
Average # of Fish Caught per Trip	26.96
Total # of Fish Harvested	0
Total # of Fish Released	701
Total # Bass Caught	652
Total # of Walleye Caught	24
Total # of Pike Caught	2
Total # of Perch Caught	0
Total # of Panfish Caught	23

CATEGORY	DATA
Fishing Season (Winter, Spring, Summer, Fall)	Fall 2024
Total # of Angling Trips	20
Total # of Angling Hours	34.00
Average # of Angling Hours per Trip	1.70
Total # of Fish Caught	199
Average # of Fish Caught per Trip	9.95
Total # of Fish Harvested	0
Total # of Fish Released	199
Total # Bass Caught	30
Total # of Walleye Caught	152
Total # of Pike Caught	0
Total # of Perch Caught	16
Total # of Panfish Caught	1

CATEGORY	TOTALS
Fishing Season (Full Year)	2024
Total # of Angling Trips	47
Total # of Angling Hours	101.25
Average # of Angling Hours per Trip	2.20
Total # of Fish Caught	900
Average # of Fish Caught per Trip	19.57
Total # of Fish Harvested	0
Total # of Fish Released	900
Total # Bass Caught	682
Total # of Walleye Caught	177
Total # of Pike Caught	2
Total # of Perch Caught	15
Total # of Panfish Caught	24

Angling Hours per Month:
April - 6.00 hours
May - 52.50 hours
September - 11.50 hours
October - 22.50 hours

2024 Great Sacandaga Lake Creel Survey

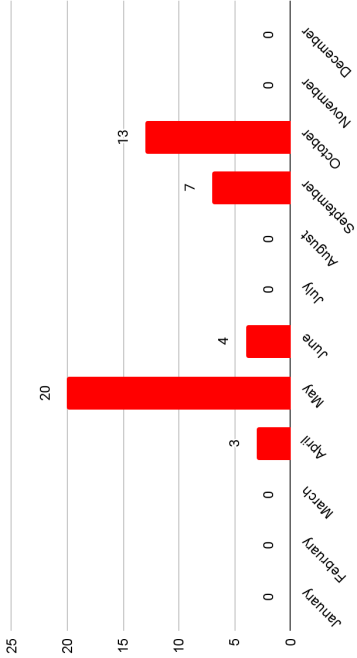
Table 2. Number (#) of Hours Fishing and Trips per Month

Month	# of Trips	# of Hours
January	0	0.00
February	0	0.00
March	0	0.00
April	3	6.00
May	20	52.50
June	4	8.75
July	0	0.00
August	0	0.00
September	7	11.50
October	13	22.50
November	0	0.00
December	0	0.00
TOTAL	47	101.25

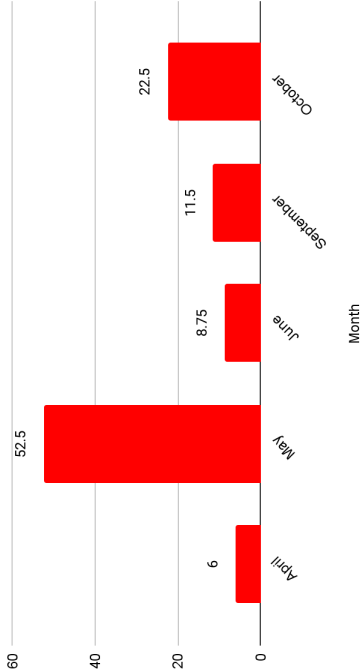
Table 3. Number (#) and Percent (%) of Fish Caught per Fishing Method Used

Method	# Fish Caught	% Fish Caught
Casting	659	73.2%
Trotling	241	26.8%
TOTAL	900	100%

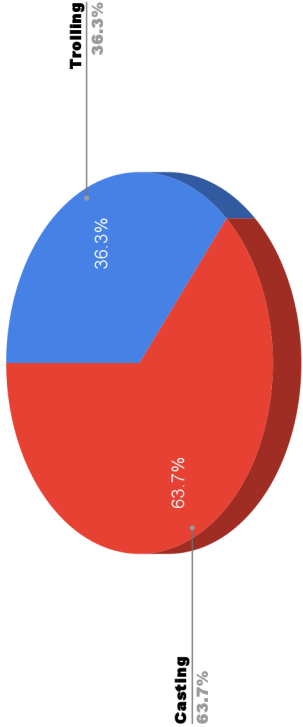
2024 Fishing Trips by Month



of Hours Fishing per Month



Percent (%) Method of Fishing

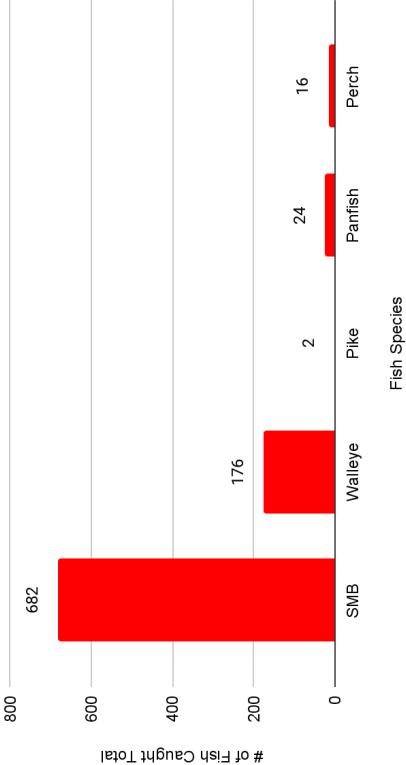


2024 Great Sacandaga Lake Creel Survey

Table 4. Total Number (#) and Percent (%) Fish Caught During the 2024 Creel Survey

Fish Species	Total # of Fish	% Fish
Smallmouth Bass	682	75.8%
Walleye	176	19.6%
Yellow Perch	16	1.7%
Northern Pike	2	0.2%
Panfish	24	2.7%
Total	900	100%

2024 Creel Survey: Total Fish Caught and Recorded



Percent (%) of Fish Species Caught

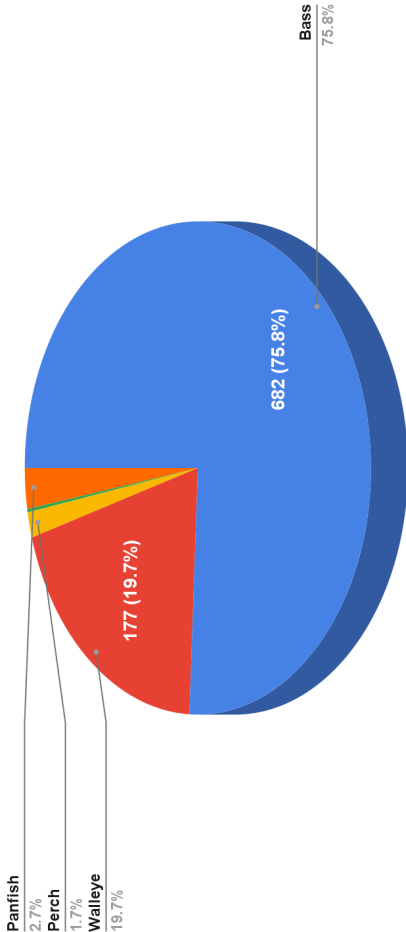


Figure 1. Length Distribution (inches) per Species - 2024 Totals

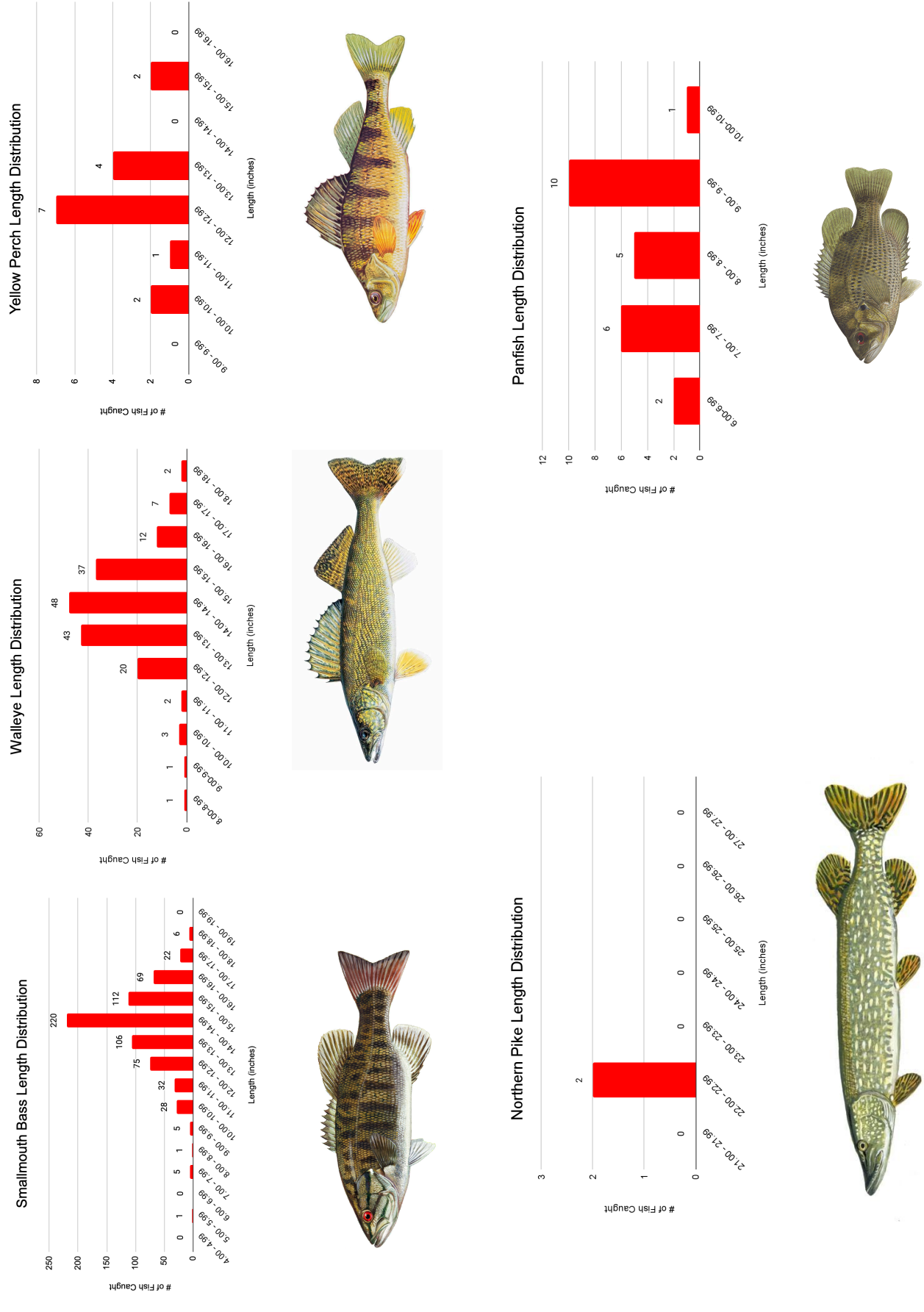
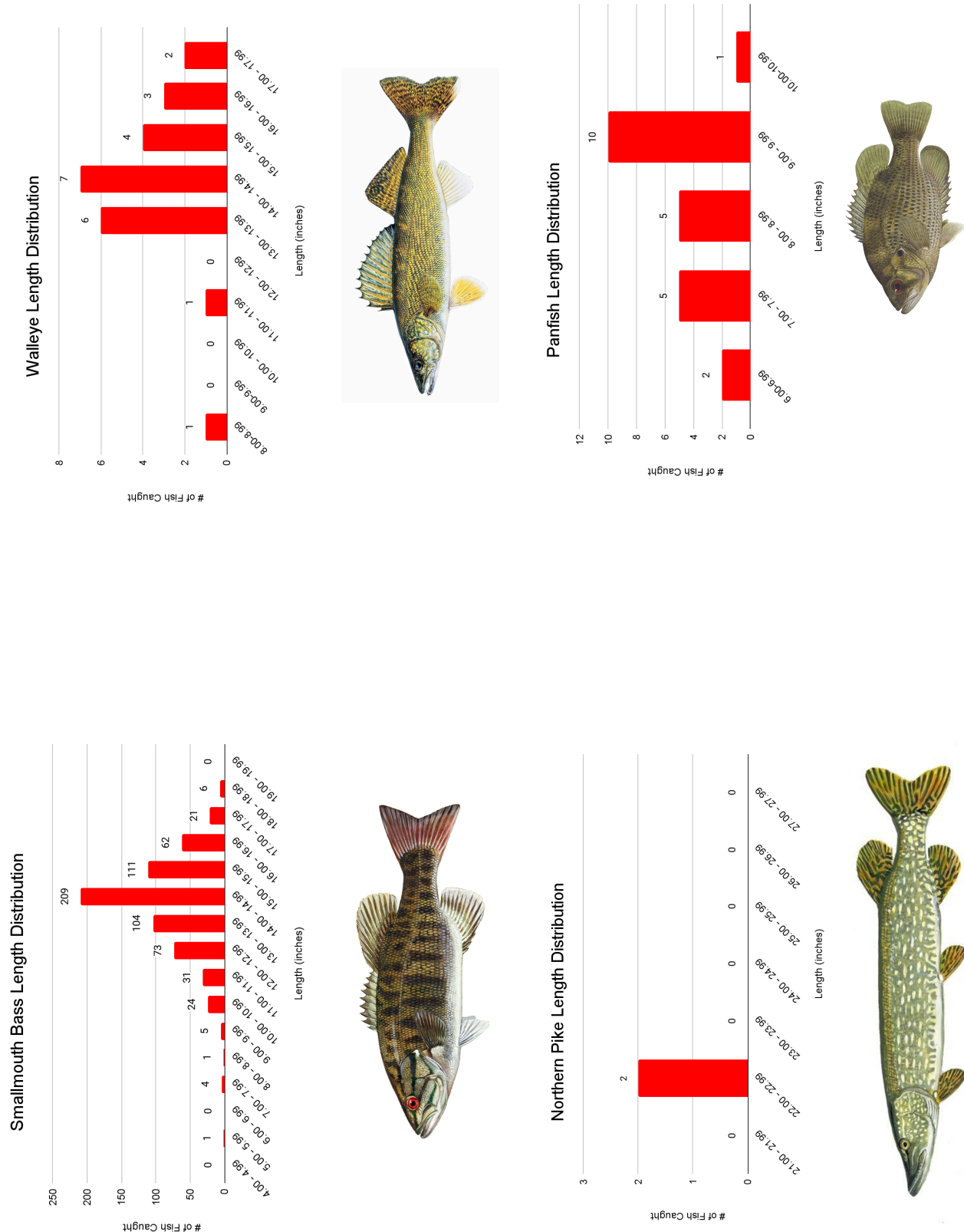


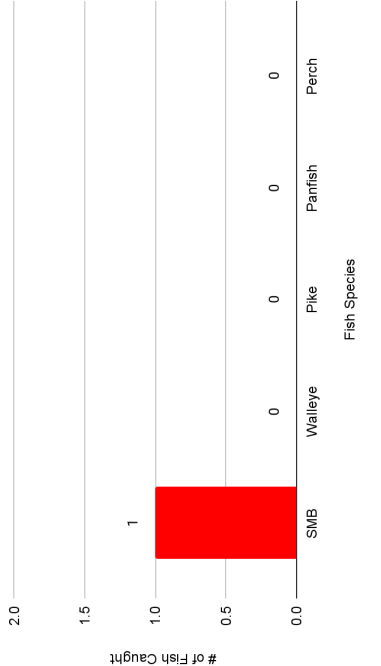
Figure 2. Length Distribution (inches) per Species - Spring 2024



2024 Great Sacandaga Lake Creel Survey

Date	April 22, 2024
Day of the week	Monday
# of total hours fishing	2.00
# of fishermen	1
# of total fish caught	1
# of fish caught per hour (average)	0.5
# of total fish caught casting	1
# of total fish caught trolling	0
# of total fish released	1
# of total fish kept	0
# of bass caught	1
Average size & range of smallmouth bass	17.00"
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A

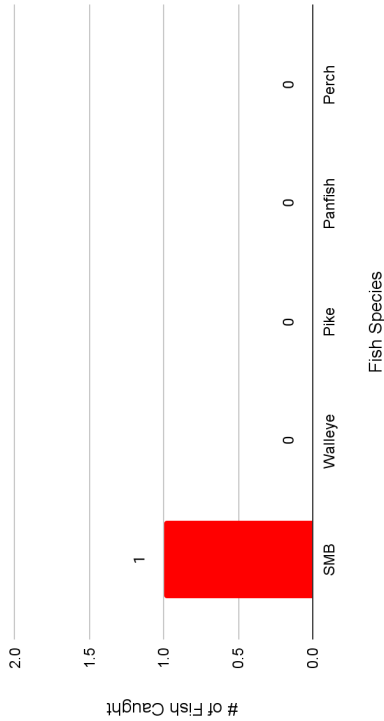
April 22, 2024



2024 Great Sacandaga Lake Creel Survey

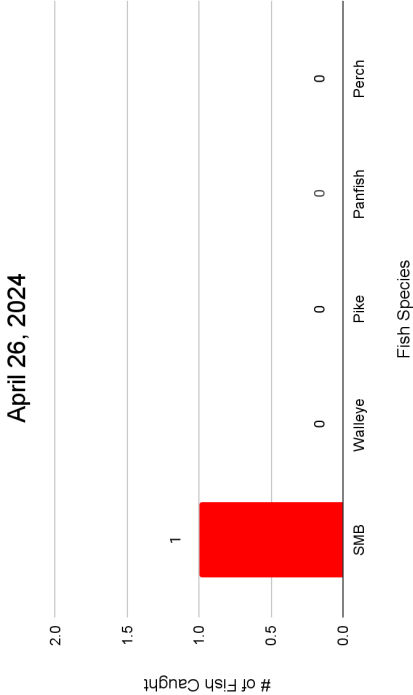
Date	April 24, 2024
Day of the week	Wednesday
# of total hours fishing	2.00
# of fishermen	1
# of total fish caught	1
# of fish caught per hour (average)	0.5
# of total fish caught casting	1
# of total fish caught trolling	0
# of total fish released	1
# of total fish kept	0
# of bass caught	1
Average size & range of smallmouth bass	16.00"
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A

April 24, 2024



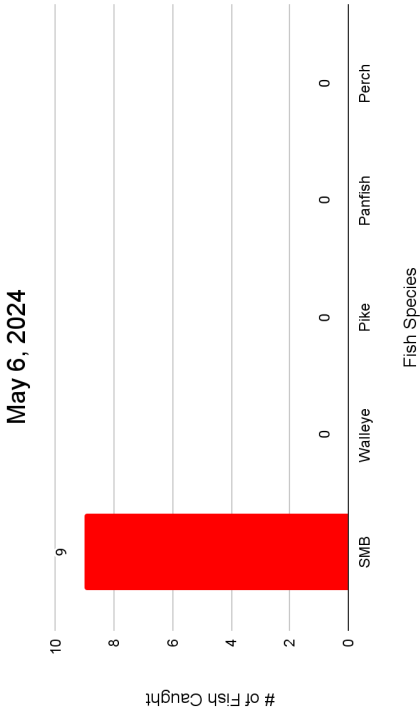
2024 Great Sacandaga Lake Creel Survey

Date	April 26, 2024
Day of the week	Friday
# of total hours fishing	2.00
# of fishermen	1
# of total fish caught	1
# of fish caught per hour (average)	0.5
# of total fish caught casting	1
# of total fish caught trolling	0
# of total fish released	1
# of total fish kept	0
# of bass caught	1
Average size & range of smallmouth bass	14.00"
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



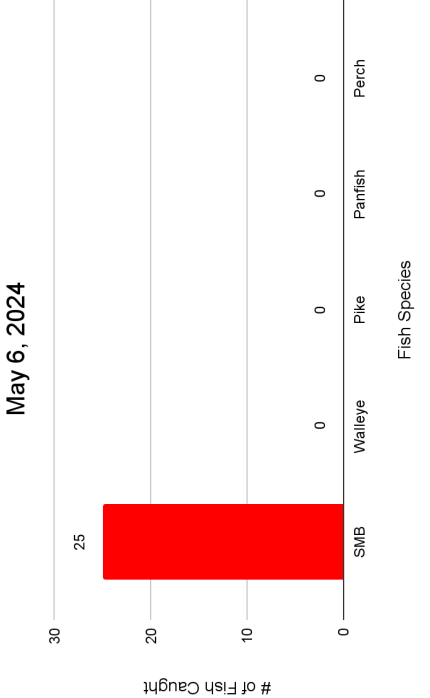
2024 Great Sacandaga Lake Creel Survey

Date	May 6, 2024
Day of the week	Monday
# of total hours fishing	1.50
# of fishermen	4
# of total fish caught	9
# of fish caught per hour (average)	6
# of total fish caught casting	9
# of total fish caught trolling	0
# of total fish released	9
# of total fish kept	0
# of bass caught	9
Average size & range of smallmouth bass	14.75" (13.00-16.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



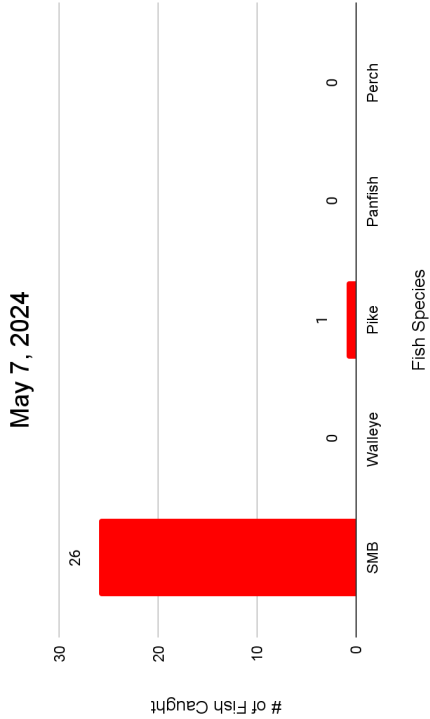
2024 Great Sacandaga Lake Creel Survey

Date	May 6, 2024
Day of the week	Monday
# of total hours fishing	2.25
# of fishermen	4
# of total fish caught	25
# of fish caught per hour (average)	11.1
# of total fish caught casting	25
# of total fish caught trolling	0
# of total fish released	25
# of total fish kept	0
# of bass caught	25
Average size & range of smallmouth bass	15.39" (13.75-18.25")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



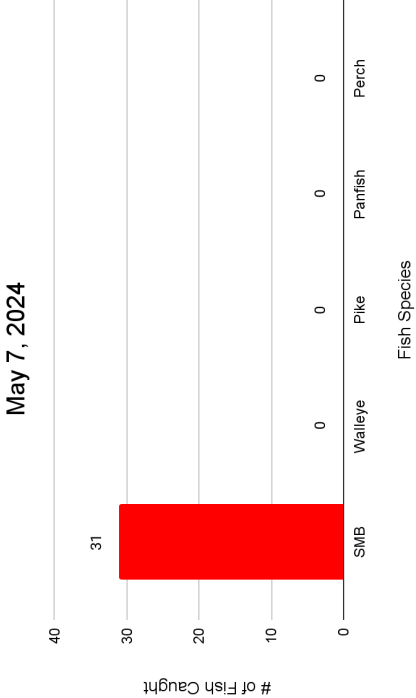
2024 Great Sacandaga Lake Creel Survey

Date	May 7, 2024
Day of the week	Tuesday
# of total hours fishing	3.75
# of fishermen	4
# of total fish caught	27
# of fish caught per hour (average)	7.7
# of total fish caught casting	27
# of total fish caught trolling	0
# of total fish released	27
# of total fish kept	0
# of bass caught	26
Average size & range of smallmouth bass	14.43" (12.50-16.75")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	1
Average size & range of northern pike	22.00"
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



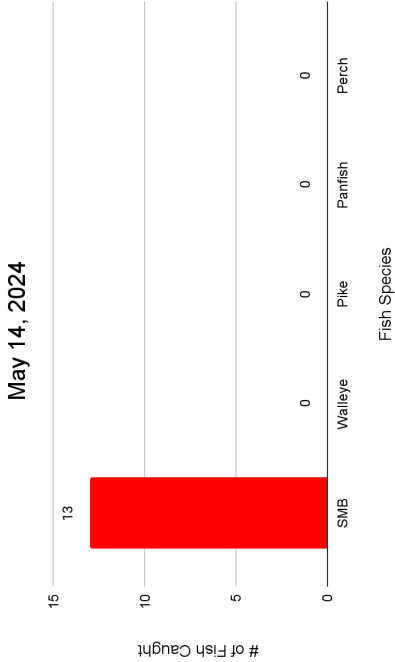
2024 Great Sacandaga Lake Creel Survey

Date	May 7, 2024
Day of the week	Tuesday
# of total hours fishing	3.75
# of fishermen	3
# of total fish caught	31
# of fish caught per hour (average)	8.9
# of total fish caught casting	31
# of total fish caught trolling	0
# of total fish released	31
# of total fish kept	0
# of bass caught	31
Average size & range of smallmouth bass	15.36" (12.00-18.25")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



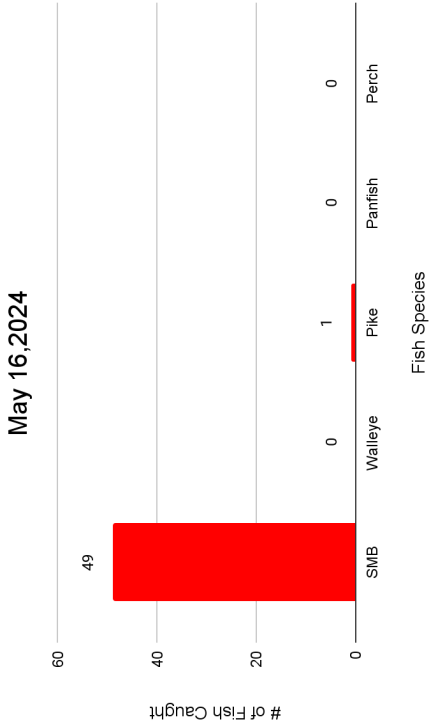
2024 Great Sacandaga Lake Creel Survey

Date	May 14, 2024
Day of the week	Tuesday
# of total hours fishing	0.50
# of fishermen	4
# of total fish caught	13
# of fish caught per hour (average)	8.7
# of total fish caught casting	13
# of total fish caught trolling	0
# of total fish released	13
# of total fish kept	0
# of bass caught	13
Average size & range of smallmouth bass	14.50" (12.00-16.50")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



2024 Great Sacandaga Lake Creel Survey

Date	May 16, 2024
Day of the week	Thursday
# of total hours fishing	3.25
# of fishermen	3
# of total fish caught	50
# of fish caught per hour (average)	15.4
# of total fish caught casting	50
# of total fish caught trolling	0
# of total fish released	50
# of total fish kept	0
# of bass caught	49
Average size & range of smallmouth bass	14.22" (10.00-17.75")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	1
Average size & range of northern pike	22.00"
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



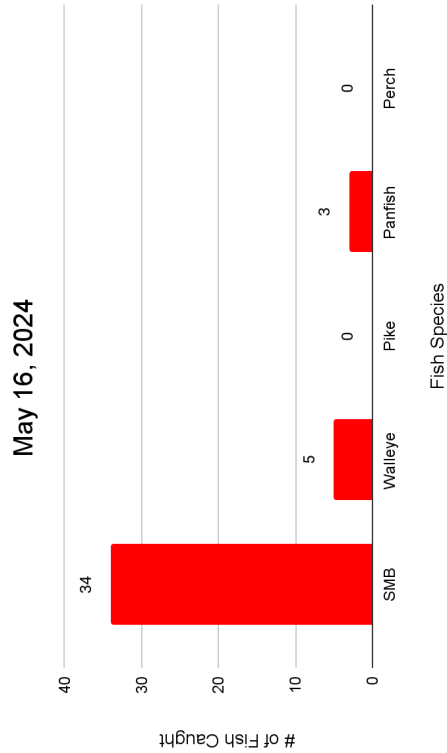
2024 Great Sacandaga Lake Creel Survey

Date	May 16, 2024
Day of the week	Thursday
# of total hours fishing	2.50
# of fishermen	4
# of total fish caught	25
# of fish caught per hour (average)	10
# of total fish caught casting	25
# of total fish caught trolling	0
# of total fish released	25
# of total fish kept	0
# of bass caught	25
Average size & range of smallmouth bass	13.76" (12.00-15.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



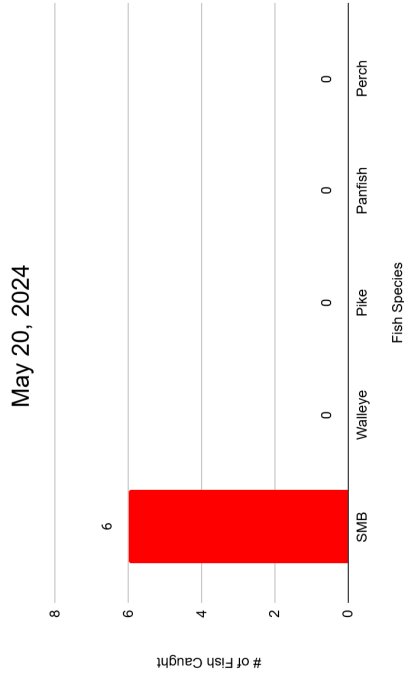
2024 Great Sacandaga Lake Creel Survey

Date	May 16, 2024
Day of the week	Thursday
# of total hours fishing	4.50
# of fishermen	4
# of total fish caught	42
# of fish caught per hour (average)	9.3
# of total fish caught casting	33
# of total fish caught trolling	9
# of total fish released	42
# of total fish kept	0
# of bass caught	34
Average size & range of smallmouth bass	13.22" (10.25-15.50")
#of walleye caught	5
Average size & range of walleye	14.22" (13.20-15.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	3
Average size & range of panfish	8.92" (8.50-9.25")



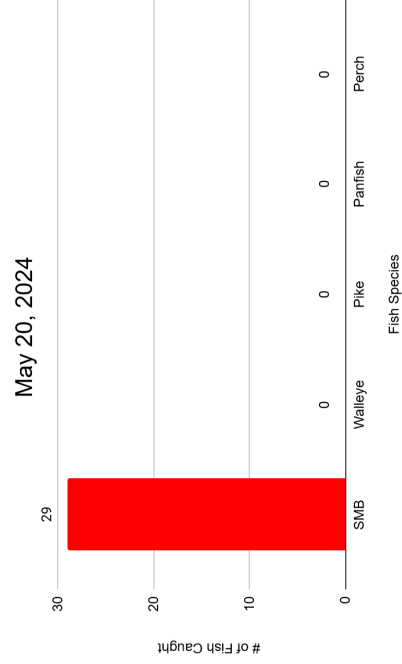
2024 Great Sacandaga Lake Creel Survey

Date	May 20, 2024
Day of the week	Monday
# of total hours fishing	1.25
# of fishermen	3
# of total fish caught	6
# of fish caught per hour (average)	4.8
# of total fish caught casting	6
# of total fish caught trolling	0
# of total fish released	6
# of total fish kept	0
# of bass caught	6
Average size & range of smallmouth bass	13.46" (10.00-15.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



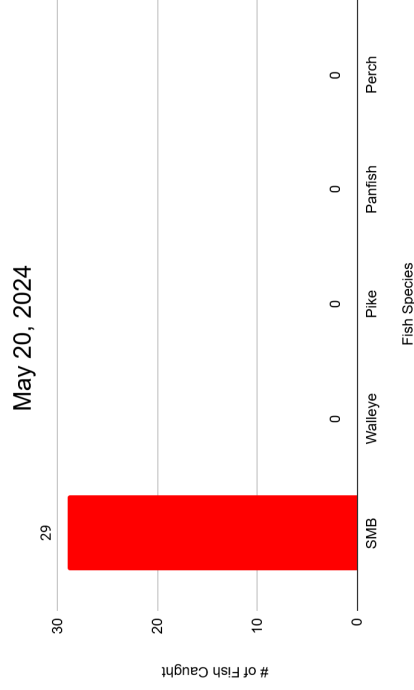
2024 Great Sacandaga Lake Creel Survey

Date	May 20, 2024
Day of the week	Monday
# of total hours fishing	2.50
# of fishermen	3
# of total fish caught	29
# of fish caught per hour (average)	11.6
# of total fish caught casting	29
# of total fish caught trolling	0
# of total fish released	29
# of total fish kept	0
# of bass caught	29
Average size & range of smallmouth bass	14.23" (11.25-16.25")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



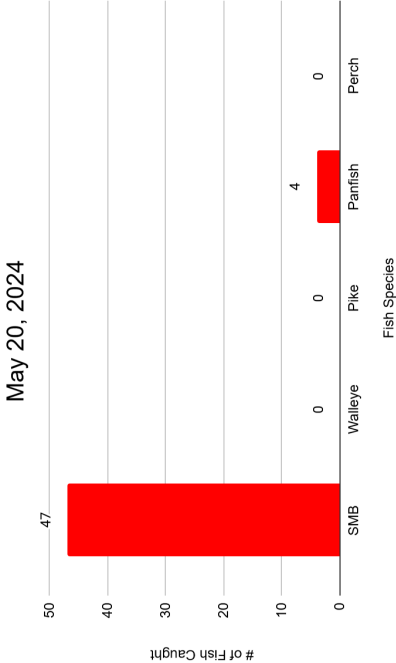
2024 Great Sacandaga Lake Creel Survey

Date	May 20, 2024
Day of the week	Monday
# of total hours fishing	2.25
# of fishermen	2
# of total fish caught	29
# of fish caught per hour (average)	12.9
# of total fish caught casting	29
# of total fish caught trolling	0
# of total fish released	29
# of total fish kept	0
# of bass caught	29
Average size & range of smallmouth bass	13.91" (11.25-16.50")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



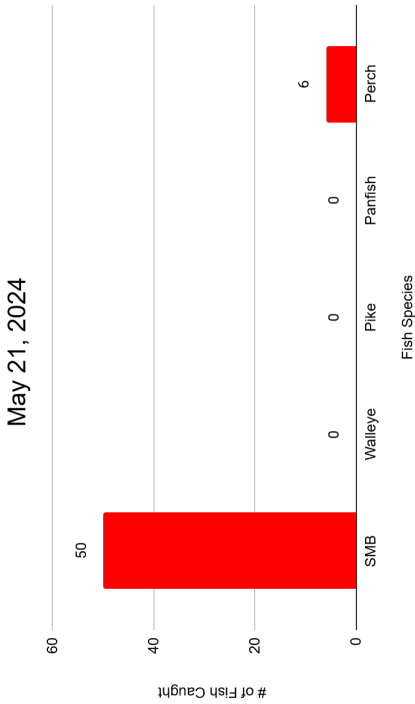
2024 Great Sacandaga Lake Creel Survey

Date	May 20, 2024
Day of the week	Monday
# of total hours fishing	2.50
# of fishermen	4
# of total fish caught	51
# of fish caught per hour (average)	20.4
# of total fish caught casting	51
# of total fish caught trolling	0
# of total fish released	51
# of total fish kept	0
# of bass caught	47
Average size & range of smallmouth bass	13.58" (5.50-17.50")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	4
Average size & range of panfish	7.81" (6.75-9.00")



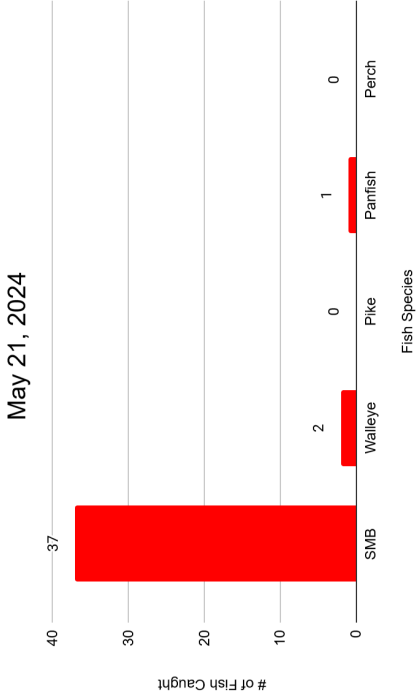
2024 Great Sacandaga Lake Creel Survey

Date	May 21, 2024
Day of the week	Tuesday
# of total hours fishing	5.50
# of fishermen	4
# of total fish caught	56
# of fish caught per hour (average)	10.2
# of total fish caught casting	56
# of total fish caught trolling	0
# of total fish released	56
# of total fish kept	0
# of bass caught	50
Average size & range of smallmouth bass	10.41" (16.50-7.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	6
Average size & range of panfish	8.38" (9.75-7.25")



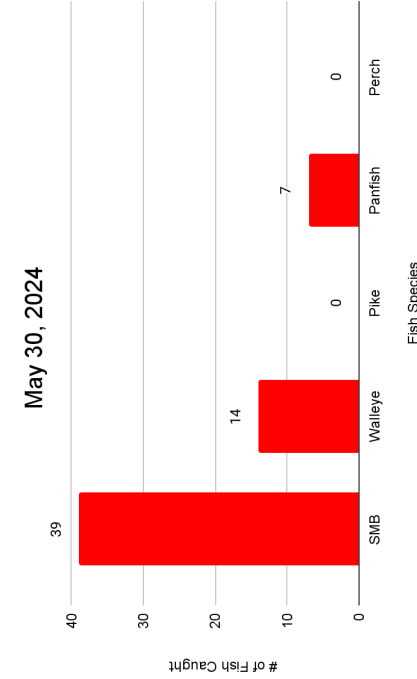
2024 Great Sacandaga Lake Creel Survey

Date	May 21, 2024
Day of the week	Tuesday
# of total hours fishing	1.75
# of fishermen	4
# of total fish caught	40
# of fish caught per hour (average)	5.7
# of total fish caught casting	40
# of total fish caught trolling	0
# of total fish released	40
# of total fish kept	0
# of bass caught	37
Average size & range of smallmouth bass	14.29" (10.00-17.25")
#of walleye caught	2
Average size & range of walleye	17.38" (17.00-17.75")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	1
Average size & range of panfish	9.00"



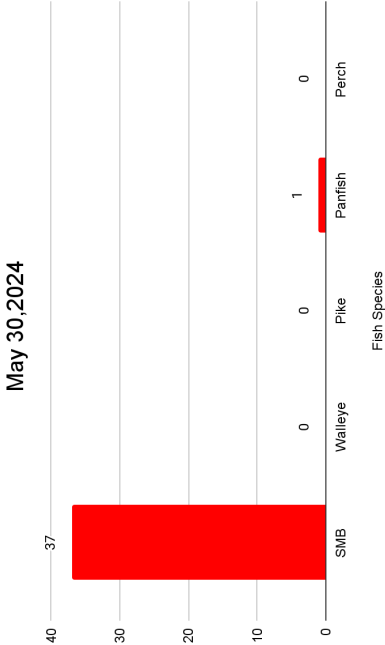
2024 Great Sacandaga Lake Creel Survey

Date	May 30, 2024
Day of the week	Thursday
# of total hours fishing	4.50
# of fishermen	4
# of total fish caught	60
# of fish caught per hour (average)	13.9
# of total fish caught casting	39
# of total fish caught trolling	21
# of total fish released	60
# of total fish kept	0
# of bass caught	39
Average size & range of smallmouth bass	14.10" (7.75-16.25")
#of walleye caught	14
Average size & range of walleye	13.75" (8.00-16.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	7
Average size & range of panfish	8.50" (6.50-10.00")



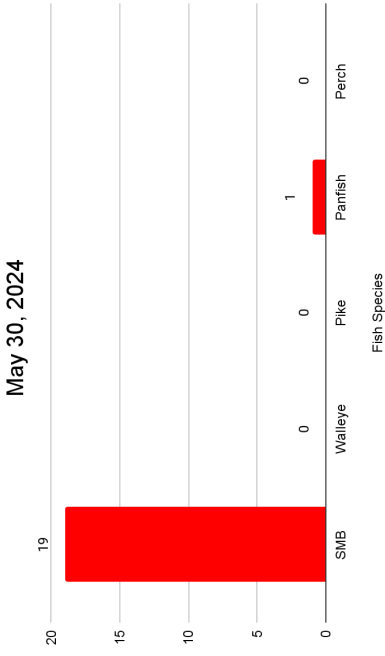
2024 Great Sacandaga Lake Creel Survey

Date	May 30, 2024
Day of the week	Thursday
# of total hours fishing	4.50
# of fishermen	4
# of total fish caught	38
# of fish caught per hour (average)	8.4
# of total fish caught casting	29
# of total fish caught trolling	9
# of total fish released	38
# of total fish kept	0
# of bass caught	37
Average size & range of smallmouth bass	7.05" (10.00-17.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	1
Average size & range of panfish	9.00"



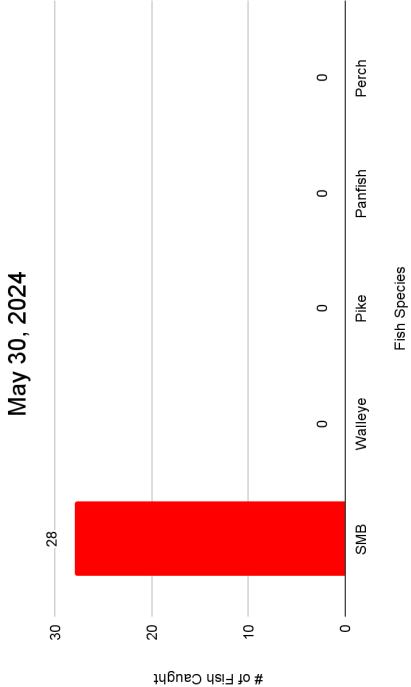
2024 Great Sacandaga Lake Creel Survey

Date	May 30, 2024
Day of the week	Thursday
# of total hours fishing	1.25
# of fishermen	4
# of total fish caught	20
# of fish caught per hour (average)	17.4
# of total fish caught casting	13
# of total fish caught trolling	7
# of total fish released	20
# of total fish kept	0
# of bass caught	19
Average size & range of smallmouth bass	12.76" (10.50-16.75")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	1
Average size & range of panfish	9.00"



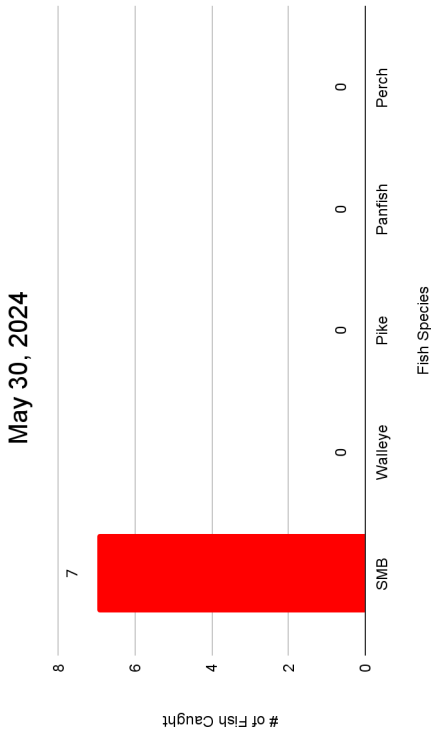
2024 Great Sacandaga Lake Creel Survey

Date	May 30, 2024
Day of the week	Thursday
# of total hours fishing	2.00
# of fishermen	2
# of total fish caught	28
# of fish caught per hour (average)	10.8
# of total fish caught casting	28
# of total fish caught trolling	0
# of total fish released	28
# of total fish kept	0
# of bass caught	28
Average size & range of smallmouth bass	13.71" (9.50-17.75")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



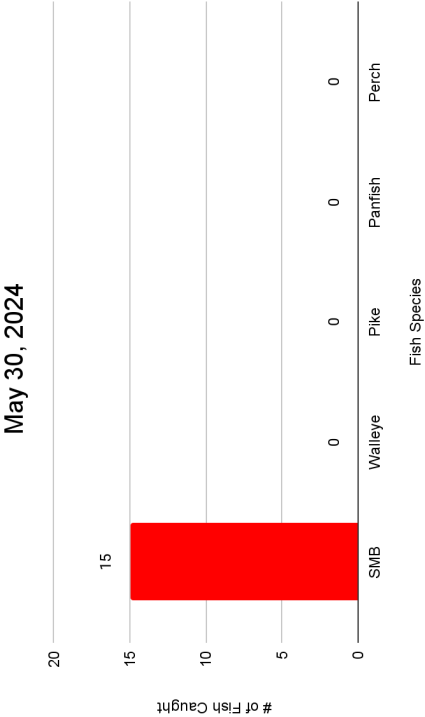
2024 Great Sacandaga Lake Creel Survey

Date	May 30, 2024
Day of the week	Thursday
# of total hours fishing	1.00
# of fishermen	3
# of total fish caught	7
# of fish caught per hour (average)	7
# of total fish caught casting	7
# of total fish caught trolling	0
# of total fish released	7
# of total fish kept	0
# of bass caught	7
Average size & range of smallmouth bass	15.46" (14.00-17.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



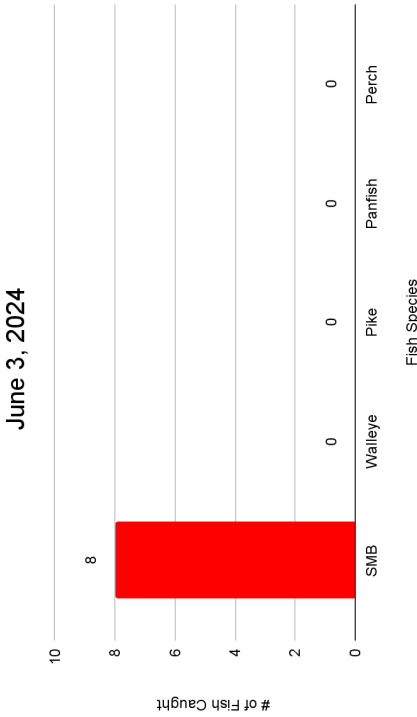
2024 Great Sacandaga Lake Creel Survey

Date	May 30, 2024
Day of the week	Thursday
# of total hours fishing	1.50
# of fishermen	1
# of total fish caught	15
# of fish caught per hour (average)	10
# of total fish caught casting	15
# of total fish caught trolling	0
# of total fish released	15
# of total fish kept	0
# of bass caught	15
Average size & range of smallmouth bass	12.45" (7.00-16.50")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



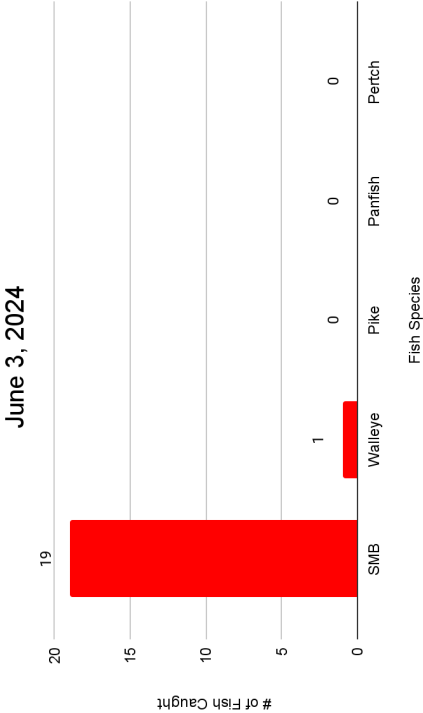
2024 Great Sacandaga Lake Creel Survey

Date	June 3, 2024
Day of the week	Monday
# of total hours fishing	1.50
# of fishermen	4
# of total fish caught	8
# of fish caught per hour (average)	11.3
# of total fish caught casting	8
# of total fish caught trolling	0
# of total fish released	8
# of total fish kept	0
# of bass caught	8
Average size & range of smallmouth bass	14.60" (12.75-16.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



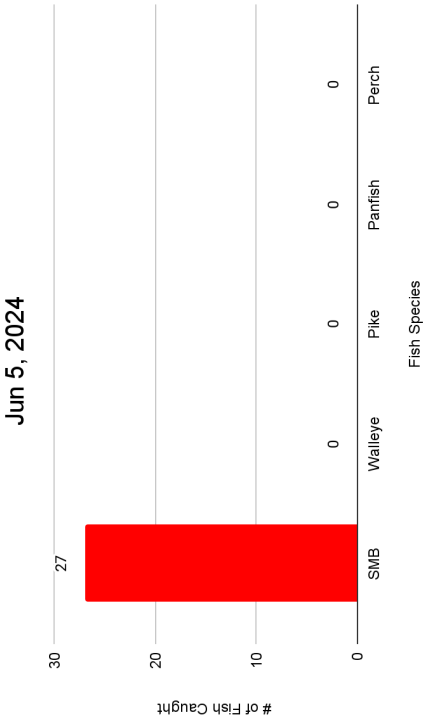
2024 Great Sacandaga Lake Creel Survey

Date	June 3, 2024
Day of the week	Monday
# of total hours fishing	1.75
# of fishermen	4
# of total fish caught	20
# of fish caught per hour (average)	11.4
# of total fish caught casting	20
# of total fish caught trolling	0
# of total fish released	20
# of total fish kept	0
# of bass caught	19
Average size & range of smallmouth bass	14.58" (12.00-17.50")
#of walleye caught	1
Average size & range of walleye	14.00"
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



2024 Great Sacandaga Lake Creel Survey

Date	June 5, 2024
Day of the week	Wednesday
# of total hours fishing	1.75
# of fishermen	3
# of total fish caught	27
# of fish caught per hour (average)	15.4
# of total fish caught casting	27
# of total fish caught trolling	0
# of total fish released	27
# of total fish kept	0
# of bass caught	27
Average size & range of smallmouth bass	14.62" (10.00-18.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



2024 Great Sacandaga Lake Creel Survey

Date	June 18, 2024
Day of the week	Tuesday
# of total hours fishing	3.75
# of fishermen	3
# of total fish caught	41
# of fish caught per hour (average)	10.9
# of total fish caught casting	38
# of total fish caught trolling	3
# of total fish released	41
# of total fish kept	0
# of bass caught	38
Average size & range of smallmouth bass	13.29" (9.00-17.25")
#of walleye caught	3
Average size & range of walleye	14.58" (14.00-15.00")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A

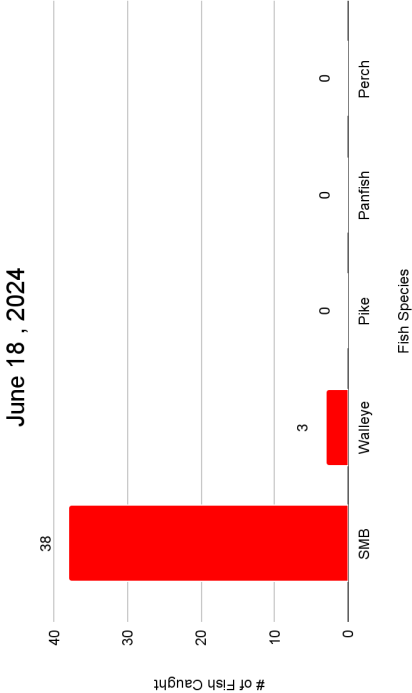
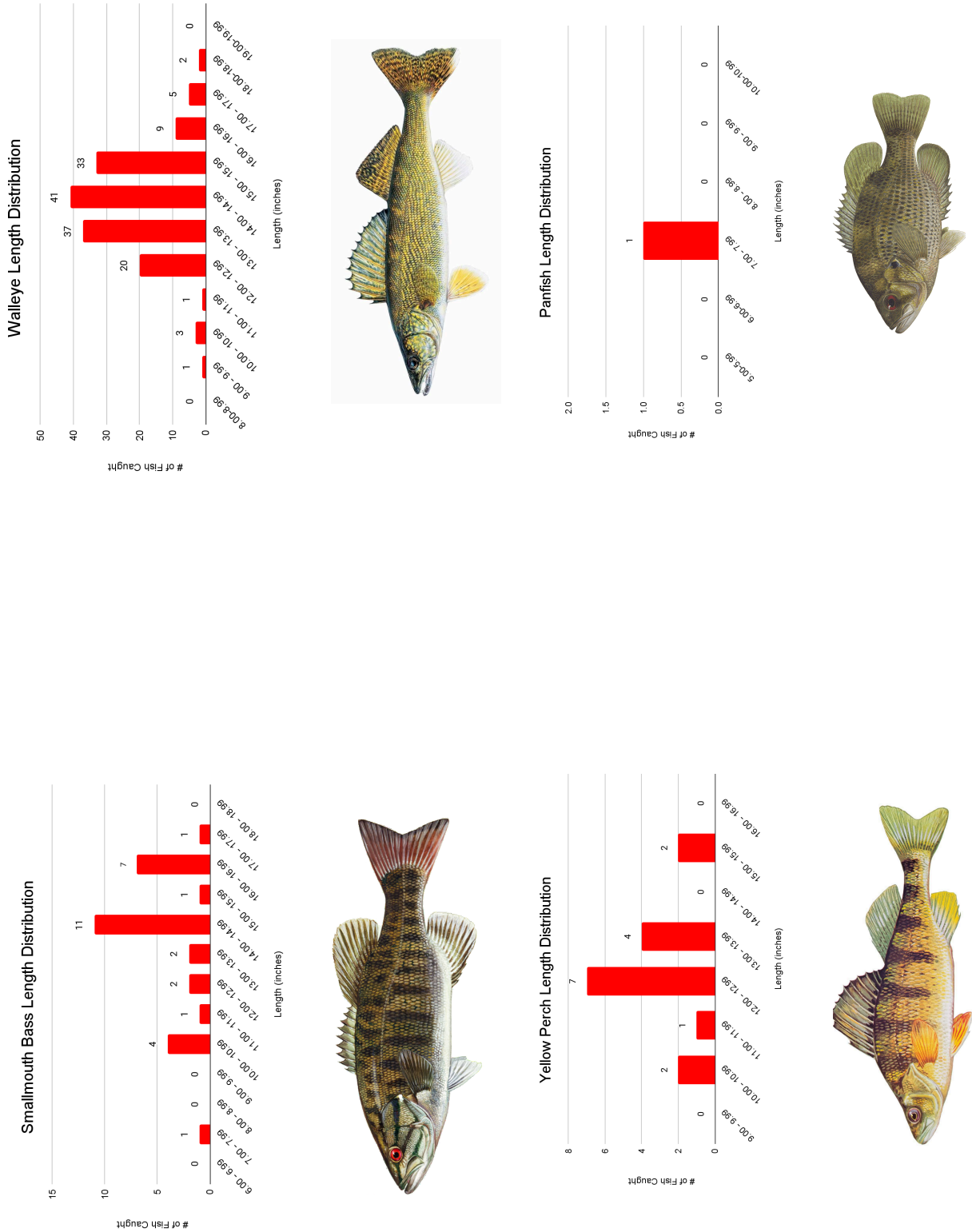


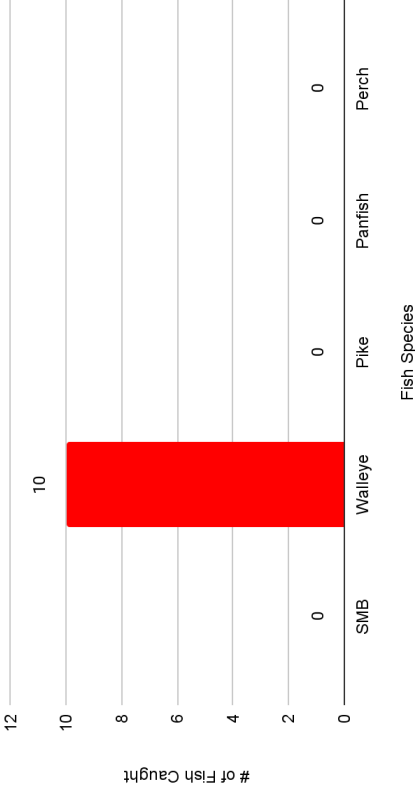
Figure 3. Length Distribution (inches) per Species - Fall 2024



2024 Great Sacandaga Lake Creel Survey

Date	September 12, 2024
Day of the week	Thursday
# of total hours fishing	1.50
# of fishermen	5
# of total fish caught	10
# of fish caught per hour (average)	6.7
# of total fish caught casting	0
# of total fish caught trolling	10
# of total fish released	10
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	10
Average size & range of walleye	13.83" (12.00-15.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A

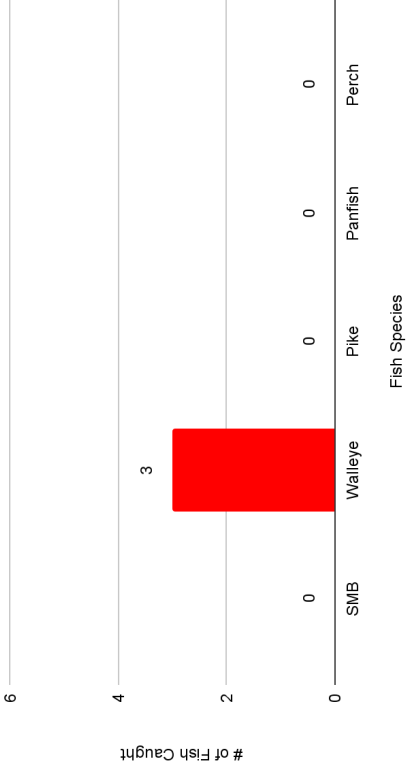
September 12, 2024



2024 Great Sacandaga Lake Creel Survey

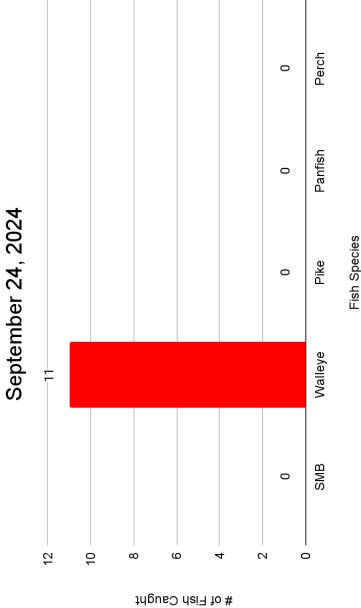
Date	September 12, 2024
Day of the week	Thursday
# of total hours fishing	1.25
# of fishermen	4
# of total fish caught	3
# of fish caught per hour (average)	2.4
# of total fish caught casting	0
# of total fish caught trolling	3
# of total fish released	3
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	3
Average size & range of walleye	14.17" (15.25-13.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A

September 12, 2024



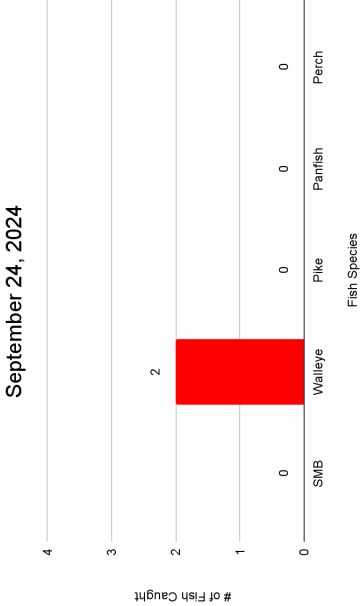
2024 Great Sacandaga Lake Creel Survey

Date	September 24, 2024
Day of the week	Tuesday
# of total hours fishing	1.50
# of fishermen	5
# of total fish caught	11
# of fish caught per hour (average)	7.3
# of total fish caught casting	0
# of total fish caught trolling	11
# of total fish released	11
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	11
Average size & range of walleye	14.14" (12.50-15.75")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



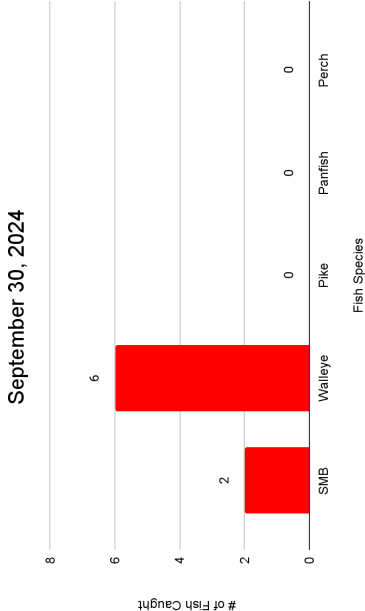
2024 Great Sacandaga Lake Creel Survey

Date	September 24, 2024
Day of the week	Tuesday
# of total hours fishing	1.00
# of fishermen	4
# of total fish caught	2
# of fish caught per hour (average)	2
# of total fish caught casting	0
# of total fish caught trolling	2
# of total fish released	2
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	2
Average size & range of walleye	12.88" (12.00-13.75")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



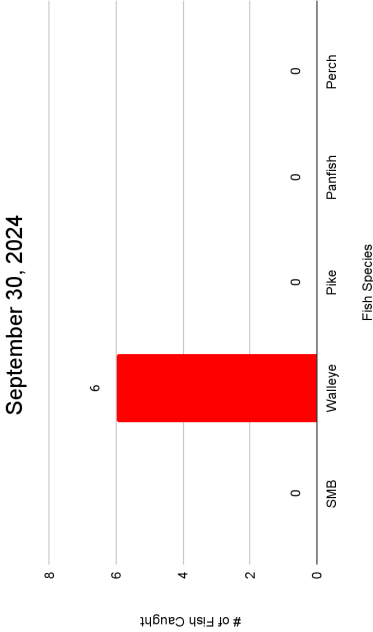
2024 Great Sacandaga Lake Creel Survey

Date	September 30, 2024
Day of the week	Monday
# of total hours fishing	1.25
# of fishermen	5
# of total fish caught	8
# of fish caught per hour (average)	6.4
# of total fish caught casting	0
# of total fish caught trolling	8
# of total fish released	8
# of total fish kept	0
# of bass caught	2
Average size & range of smallmouth bass	15.13" (14.25-16.00")
#of walleye caught	6
Average size & range of walleye	14.50" (13.25-16.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



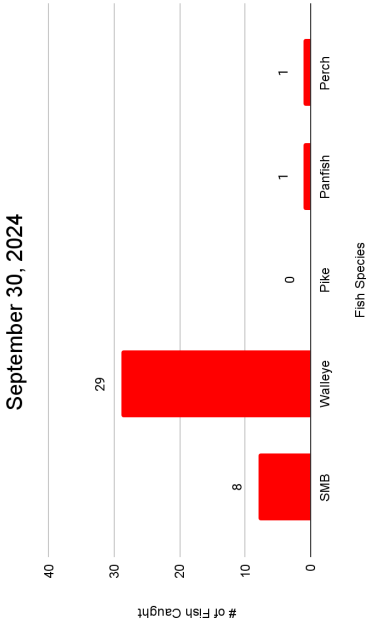
2024 Great Sacandaga Lake Creel Survey

Date	September 30, 2024
Day of the week	Monday
# of total hours fishing	1.25
# of fishermen	4
# of total fish caught	6
# of fish caught per hour (average)	4.8
# of total fish caught casting	0
# of total fish caught trolling	6
# of total fish released	6
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	6
Average size & range of walleye	14.42" (12.50-15.25")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



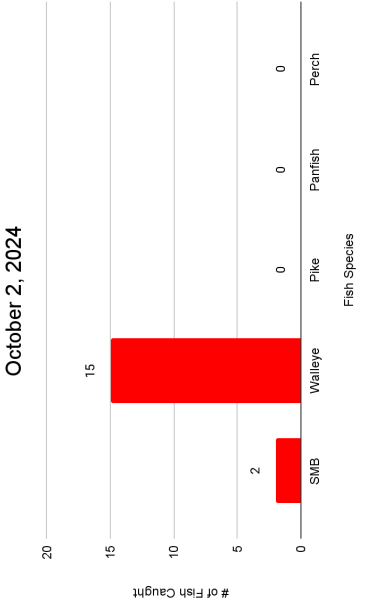
2024 Great Sacandaga Lake Creel Survey

Date	September 30, 2024
Day of the week	Monday
# of total hours fishing	3.75
# of fishermen	2
# of total fish caught	37
# of fish caught per hour (average)	9.9
# of total fish caught casting	0
# of total fish caught trolling	37
# of total fish released	37
# of total fish kept	0
# of bass caught	8
Average size & range of smallmouth bass	12.34" (7.00-16.00")
#of walleye caught	29
Average size & range of walleye	13.07" (12.00-18.75")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	1
Average size & range of yellow perch	12.50"
# of panfish caught (incl. rock bass)	1
Average size & range of panfish	7.50"



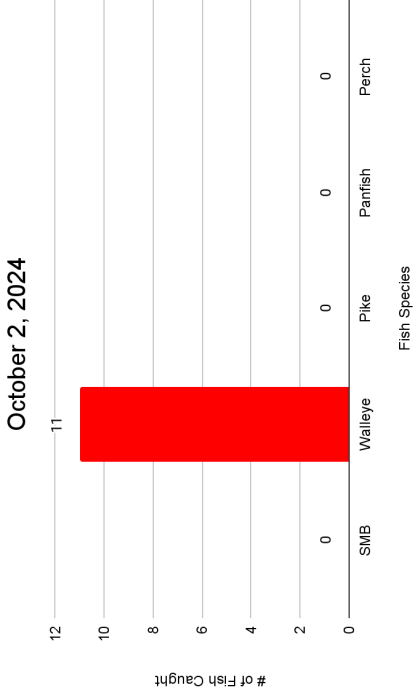
2024 Great Sacandaga Lake Creel Survey

Date	October 2, 2024
Day of the week	Wednesday
# of total hours fishing	2.00
# of fishermen	5
# of total fish caught	17
# of fish caught per hour (average)	8.5
# of total fish caught casting	0
# of total fish caught trolling	17
# of total fish released	17
# of total fish kept	0
# of bass caught	2
Average size & range of smallmouth bass	10.00"
#of walleye caught	15
Average size & range of walleye	13.78" (12.00-17.00")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



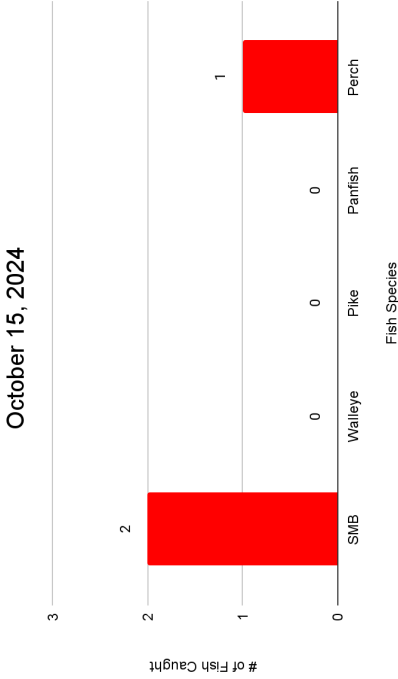
2024 Great Sacandaga Lake Creel Survey

Date	October 2, 2024
Day of the week	Wednesday
# of total hours fishing	1.75
# of fishermen	4
# of total fish caught	11
# of fish caught per hour (average)	6.3
# of total fish caught casting	0
# of total fish caught trolling	11
# of total fish released	11
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	11
Average size & range of walleye	13.34" (12.25-14.75")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



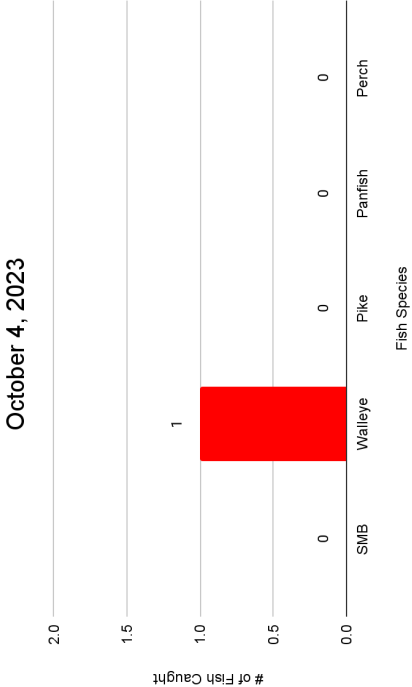
2024 Great Sacandaga Lake Creel Survey

Date	October 15, 2024
Day of the week	Tuesday
# of total hours fishing	1.25
# of fishermen	4
# of total fish caught	3
# of fish caught per hour (average)	2.4
# of total fish caught casting	0
# of total fish caught trolling	3
# of total fish released	3
# of total fish kept	0
# of bass caught	2
Average size & range of smallmouth bass	15.13" (14.25-16.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	1
Average size & range of yellow perch	13.50"
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



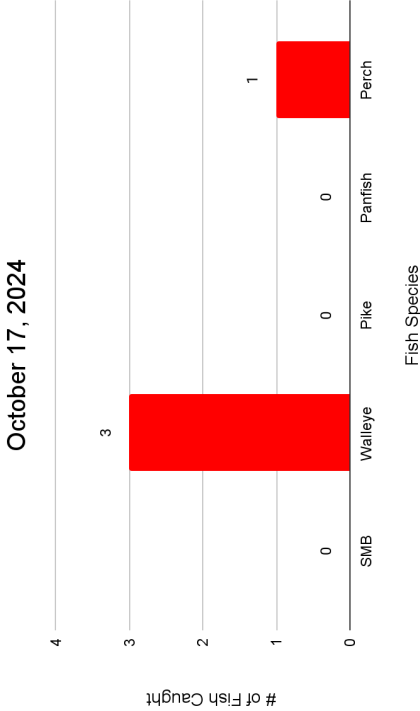
2024 Great Sacandaga Lake Creel Survey

Date	October 17, 2024
Day of the week	Thursday
# of total hours fishing	1.50
# of fishermen	4
# of total fish caught	1
# of fish caught per hour (average)	0.6
# of total fish caught casting	0
# of total fish caught trolling	1
# of total fish released	1
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	1
Average size & range of walleye	11.00"
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



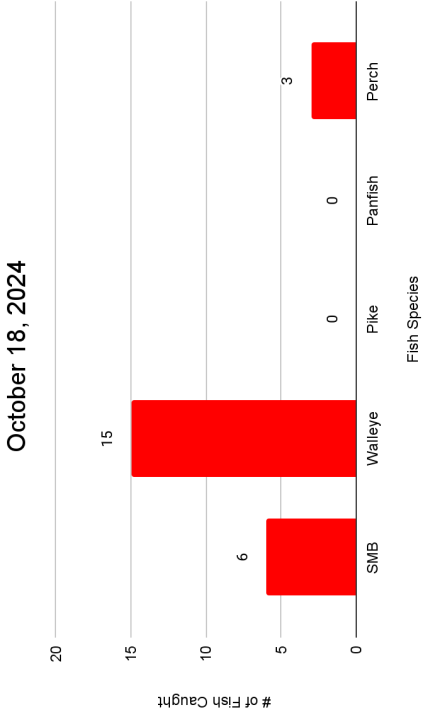
2024 Great Sacandaga Lake Creel Survey

Date	October 17, 2024
Day of the week	Thursday
# of total hours fishing	1.50
# of fishermen	6
# of total fish caught	4
# of fish caught per hour (average)	2.7
# of total fish caught casting	0
# of total fish caught trolling	4
# of total fish released	4
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	3
Average size & range of walleye	14.67" (12.50-17.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	1
Average size & range of yellow perch	12.00"
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



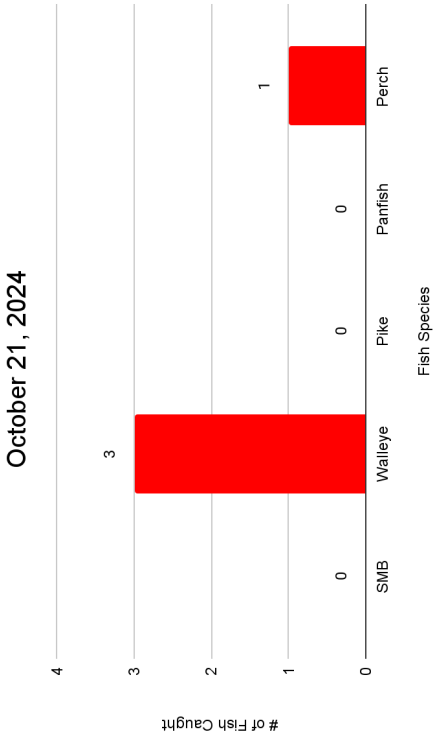
2024 Great Sacandaga Lake Creel Survey

Date	October 18, 2024
Day of the week	Friday
# of total hours fishing	3.50
# of fishermen	3
# of total fish caught	24
# of fish caught per hour (average)	7.1
# of total fish caught casting	0
# of total fish caught trolling	24
# of total fish released	24
# of total fish kept	0
# of bass caught	6
Average size & range of smallmouth bass	14.46" (10.00-16.00")
#of walleye caught	15
Average size & range of walleye	14.52" (12.50-16.25")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	3
Average size & range of yellow perch	12.50" (12.00-13.00")
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



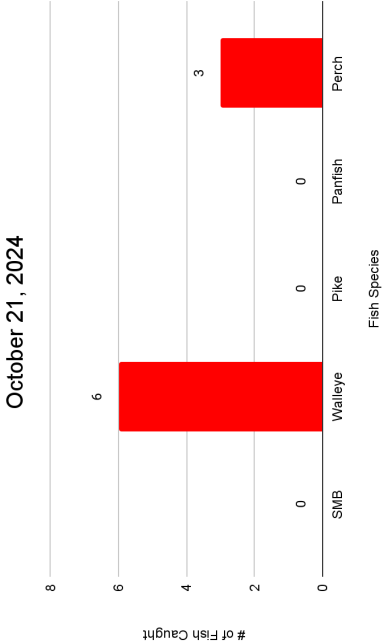
2024 Great Sacandaga Lake Creel Survey

Date	October 21, 2024
Day of the week	Monday
# of total hours fishing	1.25
# of fishermen	4
# of total fish caught	4
# of fish caught per hour (average)	3.2
# of total fish caught casting	0
# of total fish caught trolling	4
# of total fish released	4
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	3
Average size & range of walleye	15.83" (14.75-17.25")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	1
Average size & range of yellow perch	12.00"
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



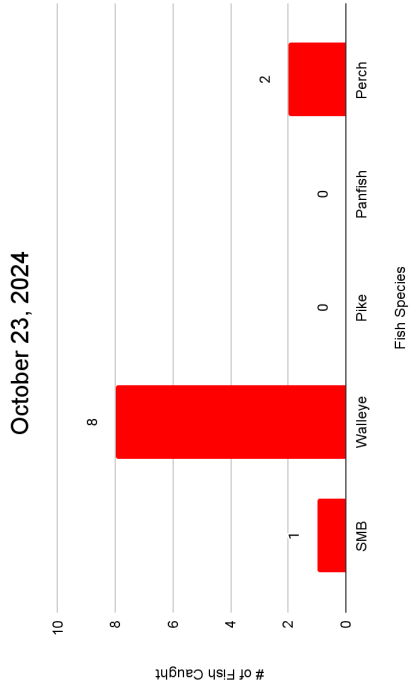
2024 Great Sacandaga Lake Creel Survey

Date	October 21, 2024
Day of the week	Monday
# of total hours fishing	1.50
# of fishermen	4
# of total fish caught	9
# of fish caught per hour (average)	6
# of total fish caught casting	0
# of total fish caught trolling	9
# of total fish released	9
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	6
Average size & range of walleye	14.30" (12.00-17.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	3
Average size & range of yellow perch	13.90" (13.00-15.00")
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



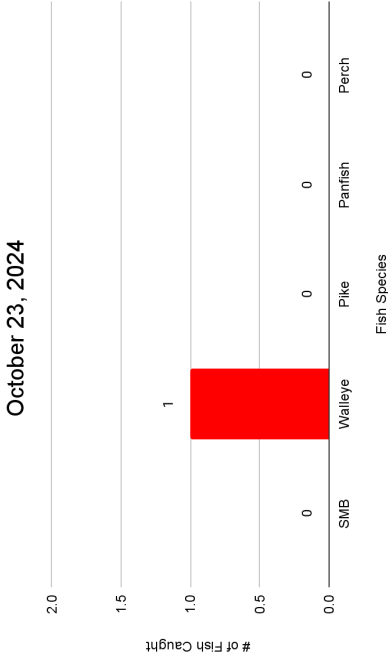
2024 Great Sacandaga Lake Creel Survey

Date	October 23, 2024
Day of the week	Wednesday
# of total hours fishing	1.75
# of fishermen	5
# of total fish caught	11
# of fish caught per hour (average)	6.3
# of total fish caught casting	0
# of total fish caught trolling	11
# of total fish released	11
# of total fish kept	0
# of bass caught	1
Average size & range of smallmouth bass	14.25"
#of walleye caught	8
Average size & range of walleye	14.90" (13.75-16.00")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	2
Average size & range of yellow perch	13.00" (10.50-15.50")
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



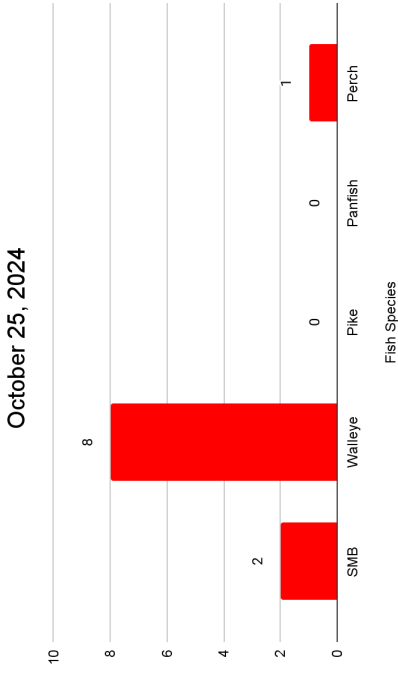
2024 Great Sacandaga Lake Creel Survey

Date	October 23, 2024
Day of the week	Wednesday
# of total hours fishing	1.75
# of fishermen	5
# of total fish caught	1
# of fish caught per hour (average)	0.6
# of total fish caught casting	0
# of total fish caught trolling	1
# of total fish released	1
# of total fish kept	0
# of bass caught	0
Average size & range of smallmouth bass	N/A
#of walleye caught	1
Average size & range of walleye	14.00"
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



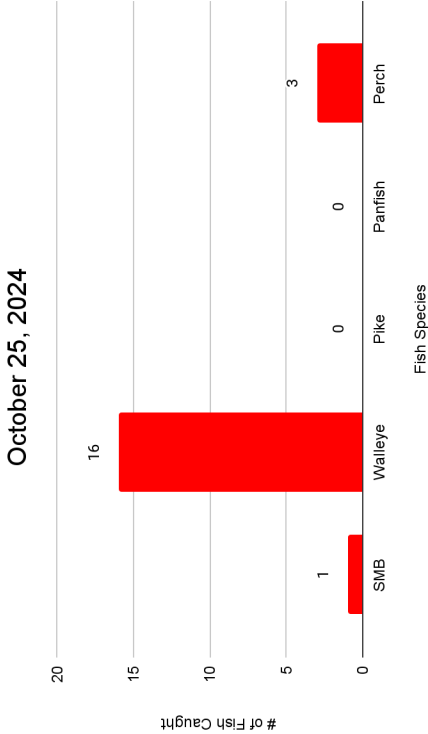
2024 Great Sacandaga Lake Creel Survey

Date	October 25, 2024
Day of the week	Friday
# of total hours fishing	1.75
# of fishermen	4
# of total fish caught	11
# of fish caught per hour (average)	6.3
# of total fish caught casting	0
# of total fish caught trolling	11
# of total fish released	11
# of total fish kept	0
# of bass caught	2
Average size & range of smallmouth bass	15.00" (14.00-16.00")
#of walleye caught	8
Average size & range of walleye	14.84" (13.25-17.25")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	1
Average size & range of yellow perch	12.00"
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



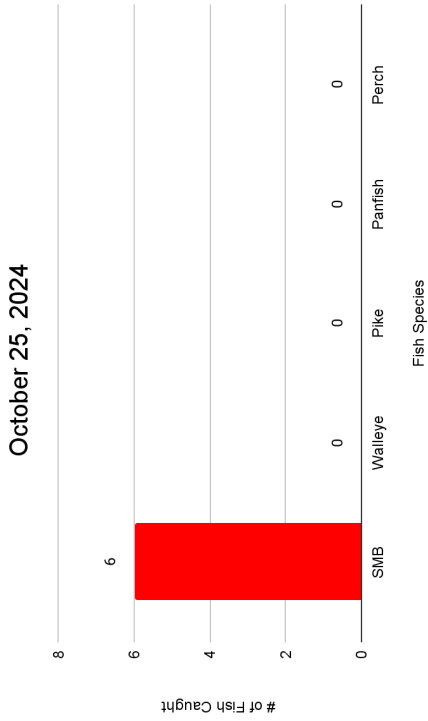
2024 Great Sacandaga Lake Creel Survey

Date	October 25, 2024
Day of the week	Friday
# of total hours fishing	1.25
# of fishermen	3
# of total fish caught	20
# of fish caught per hour (average)	16
# of total fish caught casting	0
# of total fish caught trolling	20
# of total fish released	20
# of total fish kept	0
# of bass caught	1
Average size & range of smallmouth bass	13.50"
#of walleye caught	16
Average size & range of walleye	13.92" (9.00-16.50")
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	3
Average size & range of yellow perch	11.33" (10.25-12.75")
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



2024 Great Sacandaga Lake Creel Survey

Date	October 25, 2024
Day of the week	Friday
# of total hours fishing	1.75
# of fishermen	5
# of total fish caught	6
# of fish caught per hour (average)	3.4
# of total fish caught casting	6
# of total fish caught trolling	0
# of total fish released	6
# of total fish kept	0
# of bass caught	6
Average size & range of smallmouth bass	14.96" (13.50-17.00")
#of walleye caught	0
Average size & range of walleye	N/A
# of pike caught	0
Average size & range of northern pike	N/A
# of perch caught	0
Average size & range of yellow perch	N/A
# of panfish caught (incl. rock bass)	0
Average size & range of panfish	N/A



Glossary and Abbreviations:

NYSDEC: New York State Department of Environmental Conservation

WDNR: Wisconsin Department of Natural Resources

GSL: Great Sacandaga Lake

GSLFF: Great Sacandaga Lake Fisheries Federation

GSLAC: Great Sacandaga Lake Advisory Council

Angling: The sport or pastime of fishing with a rod and line

Angler: A person who fishes with a rod and line

Census: An official count or survey of a population

Invertebrate: An animal lacking a backbone

Zooplankton: Plankton consisting of small animals and intermediate stages of larger animals

Summary of Intent:

The Broadalbin-Perth Science Research class has prepared this document in an effort to assist local agencies in collecting and analyzing fisheries data from the Great Sacandaga Lake. This survey can play an integral role in developing policies regarding recreational angling, as well as providing insight into the level of fishing activity or harvest patterns associated with the Great Sacandaga Lake. As noted previously, this document is a modified version of a complete creel survey, and such should be treated as a progress report only.

Contact:

For additional information or copies of this survey, contact Brian Henry at:

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Broadalbin, New York 12025

Email:

henryb@bpcsd.org

Phone:

(518) 954-2600

WALLEYE TAGGING PROGRAM



SUMMARY:

Since 2023, the Broadalbin-Perth Science Research class has tagged 2,000 juvenile walleye in the Great Sacandaga Lake. Each hatchery-raised walleye has a pink or yellow "tattoo tag" behind its left eye. Using different colored dyes each year will help the researchers account for the walleye's age when fishermen catch them. This data will allow investigators to document how quickly or slowly the walleye are growing in the lake.

This study is in conjunction with the GSLFF stocking efforts to improve the lake's fishery.

ATTENTION FISHERMEN:

If you catch a walleye in the Great Sacandaga Lake and it has a pink or yellow tag behind the left eye:

1. record the length of the fish
2. the date it was caught
3. the general location it was caught
4. take a clear photo of the walleye and its eye tag

To submit this information & receive a \$25 gift certificate to local bait shops, scan the QR Code or contact Brian Henry at henryb@bpcsd.org

