

# Open-Water Spearing and Netting in the 1837 Minnesota Ceded Territory During the 2021-2022 Quota Year

by

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### SUMMARY

The 2021-2022 quota-year was the twenty-fourth year that open-water spear and net fishing was conducted by Ojibwe Bands in the 1837 Minnesota Ceded Territory. A total of 365 band members participated in the fishery. Mille Lacs Lake was the only water body that received spearing or netting effort. A total of 28,198 fish weighing 54,837 pounds (24,874 kg) was harvested from Mille Lacs Lake. Walleye represented 94% of the total catch (27,129 fish; 51,356 pounds; 23,295 kg). The harvest of other species that were regulated under a quota included 512 northern pike (2,675 pounds; 1,213 kg) and 132 yellow perch (116 pounds; 53 kg). Most of the harvest occurred during spring, which included 26,828 walleye weighing 50,532 pounds (22,921 kg), 497 northern pike weighing 2,611 pounds (1,185 kg), and 131 yellow perch weighing 115 pounds (52 kg). During spring, more walleye pounds were taken by gill net (18,976 fish; 35,011 pounds; 15,881 kg) than by spear (7,852 fish; 15,521 pounds; 7,040 kg) in Mille Lacs Lake. Overall, mean length was 18.1 inches (46.0 cm) for walleye, 26.7 inches (67.8 cm) for northern pike, and 11.5 inches (29.2 cm) for yellow perch; mean weight was 1.9 (0.9 kg), 5.2 pounds (2.4 kg), and 0.9 pounds (0.4 kg) respectively. The tribal harvest of quota regulated fish species was maintained within established limits through an intensive harvest management system that included daily permits, complete monitoring and daily reporting of the catch, and daily adjustments to quotas.

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#### **INTRODUCTION**

A U.S. Supreme Court decision issued on March 24, 1999 reaffirmed the rights of eight Ojibwe bands to hunt, fish, and gather off-reservation in the Minnesota area reserved by a treaty with the United States government signed in 1837 (Figure 1). This report presents data for harvest and effort by Ojibwe spearers and gill-netters in 1837 Minnesota ceded territory waters (Figure 2) during the 2021-2022 quota year which ran from April 1, 2021 through March 31, 2022. Mille Lacs Lake was the only water body with harvest and/or effort during a 37 day period in the spring of 2021 (April 5 - May 10) (Appendix A). Additional harvest occurred on Mille Lacs Lake on 10 days during the fall period (October 15 - November 8).

Eight Ojibwe bands actively participated in the 2021-2022 fishery including two Minnesota bands (Mille Lacs and Fond du Lac) and six Wisconsin bands (Bad River, Lac Courte Oreilles, Lac du Flambeau, Red Cliff, St. Croix, and Mole Lake) (Figure 1).

#### REGULATIONS

Harvest was strictly regulated and completely monitored under provisions of the 1837 Treaty Conservation Code for the Minnesota Ceded Territory (available online at <u>www.glifwc.org</u>). This tribal code contains regulations that govern the use of spears and nets to harvest fish. The code was jointly developed with the State of Minnesota, approved by the federal court, and individually adopted by the Ojibwe bands. The exercise of treaty fishing rights in the 1837 Minnesota ceded territory was also subject to provisions of the "Treaty Fisheries Management Plan for the 1837 Minnesota Ceded Territory for the 2021 Fishing Season".

In addition to the Treaty Conservation Code and Treaty Fisheries Management Plan, a set of protocols was established to facilitate communications between the Minnesota Department of Natural Resources and the Ojibwe bands. These protocols identified methods to calculate threshold and harvestable surplus levels for ceded territory waters, established procedures for information exchange, and provided an operational framework for the 1837 Minnesota Ceded Territory Fisheries Committee.

#### PERMIT SYSTEM AND HARVEST MONITORING

A comprehensive harvest management system based upon daily permits, monitoring of the entire catch, daily reporting, and daily updates of quotas for quota regulated species was used.

Each night that a band intended to spear or net, a tribal representative contacted the Great Lakes Indian Fish and Wildlife Commission (GLIFWC) office in Odanah, Wisconsin around noon to notify staff of the selected lakes, boat landings, and walleye bag limits for spearing. Quotas for walleye and northern pike were updated and the number of issuable permits (Figure 3) was determined. The number of issuable spearing permits was determined by dividing the remaining tribal walleye quota for spearing in a lake by the nightly bag limit selected for that lake. The number of issuable netting permits was determined by dividing the remaining tribal walleye quota for netting by an assigned catch rate value. An initial standardized catch rate value of 40 pounds (18.1 kg) of walleye per net was used at the start of the quota year. Assigned catch rate values could be adjusted according to observed gill net catch rates of walleye for the remainder of the quota year. Tribal members could pick up a permit at a registration station or a boat landing.

One or more creel clerk-warden teams were assigned to each designated boat landing on Mille Lacs Lake where permits had been scheduled to be issued. All off-reservation spearing and netting was monitored by creel teams under the supervision of GLIFWC staff or by Fond du Lac Band wardens and biologists. All on-reservation spearing and netting in Mille Lacs Lake was monitored by creel teams under the supervision of Mille Lacs Band wardens. Prior to the season, written instructions, equipment, data forms, and training were provided to creel clerks and others involved with harvest monitoring and reporting.

Spear monitoring teams typically arrived at the designated boat landing before dusk and stayed until spearing ended. For spearing, a monitoring team completed a catch report form (Appendix B) upon the return of a boating party. At each landing, length and sex information were collected from the first 200 walleye plus all walleye in the last boat. Also, the number and aggregate weight by species were recorded along with length and sex information for species other than walleye. Besides harvest information, the time spearing started and ended, permit numbers, and the name and tribal identification number of each spearer were recorded (Appendix B). When available, tribal members could be issued one or more additional spearing permits.

Gill net monitoring teams arrived at the designated boat landing or monitoring location prior to scheduled net lift times. Most nets were set in the evening, fished overnight, and lifted the following morning. Lift times and locations were scheduled in advance and written on each issued permit. Nets could be checked, fish removed, and reset at night prior to the designated lift time only if monitoring personnel were notified and present at the landing. When length and sex information were being collected from a sub-sample of netted walleye a catch report form was completed. However, after the sub-sample requirement was met, harvest information was recorded on the back of the permit. This information included number and aggregate weight by species plus length and sex information for species other than walleye. For walleye, a sample of spines or otoliths were collected for aging.

An on-line spreadsheet was used to enter, proof, and track harvest and effort data. The number and pounds of walleye and northern pike as well as other data were entered for each permit. As data for each permit were entered, the spreadsheet application updated the number and pounds of walleye and northern pike harvested per tribe as well as the remaining quota balance available for each tribe. Harvest data for walleye and northern pike by Band were transmitted daily to Minnesota Department of Natural Resources (MnDNR) representatives as close to noon as possible. For nets not recovered by around noon each day, the number of nets unrecovered or outstanding was multiplied by the assigned catch rate for that day and the total subtracted from a Band's quota until the actual data were reported and could be used.

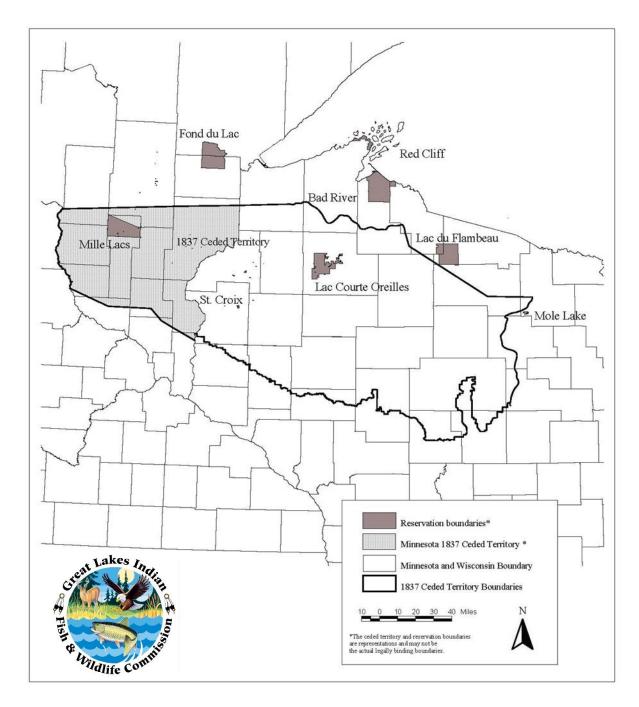
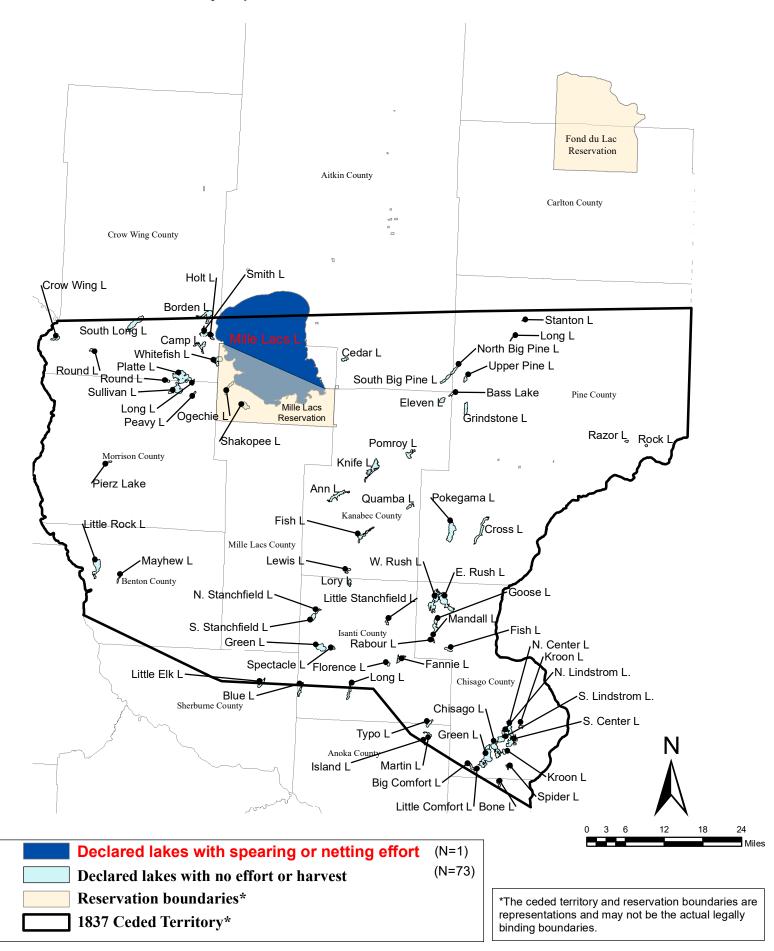
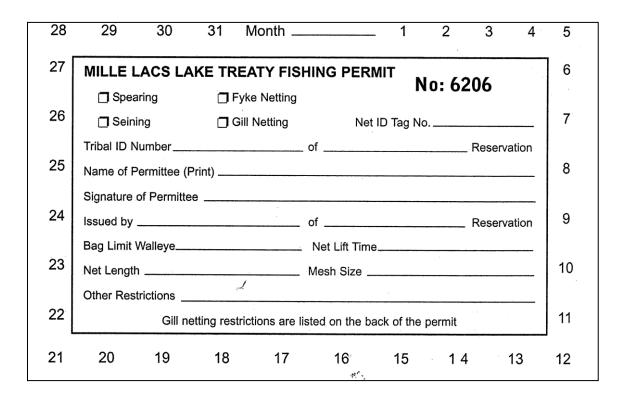


Figure 1. Map depicting the 1837 ceded territory and eight Chippewa reservations in Wisconsin and Minnesota.



# Figure 2. Lakes declared for harvest in the 1837 Minnesota ceded territory during the 2021-2022 quota year.



#### Front

Data fo	or Tagge	d or Fin Punched	Walleye	Data fo	r North	iern Pike	Data for Other Species				
Length	Sex	Tag Number	Fin Punch	Length	Sex	Fin Punch	Species	Count	Pounds		
							Perch				
							Tullibee				
							Burbot				
							Sucker				
							SM Bass				
							Muskie				
	Total \	Valleye Harveste	d	Total North	nern Pil	ke Harvested					
C	Count	Pounds		Count _	Po	unds					

Nets must be set with w eights or anchors that w eigh at least 10 lbs. Buoy lines must have at least 6 feet of slack so that buoys or floats will remain on the surface and visible if net moves. Permittee must monitor ice and w ind conditions and pull their net w hen w arranted or if contacted by w arden. Permittee must notify w arden immediately if any net or part of net is missing or cannot be fully recovered. Permittee must look for and recover any net or part of net that is missing.

Permittee must notify warden or creel team if net was not set, or if net was set but no fish were caught.

Permittee must comply with applicable tribal regulations that protect against the spread of aquatic invasive species.

#### Back

Figure 3. Treaty fishing permit used during the 2021-2022 tribal quota year.

#### **RESULTS AND DISCUSSION**

#### **FISHING EFFORT**

#### NUMBER OF DAYS FISHED

Spearing or netting effort occurred on 38 dates during the 2021-2022 quota year (Appendix A). During a 28 day period in spring 2021 (April 5 to May 10), spearing occurred on Mille Lacs Lake on 19 dates, while netting occurred on 23 dates. During the remainder of the quota year, spearing occurred on Mille Lacs Lake on six dates during the period of October 2 to November 3, and netting occurred on six dates during the period of October 8.

#### **SPEARING EFFORT**

A total of 177 tribal members speared on Mille Lacs Lake and were issued a total of 386 spearing permits during the 2021-2022 quota year. An estimated total of 517.8 boat-hours of spearing effort occurred at Mille Lacs Lake during the 2021-2022 quota year; most (510.2 hours) occurred during spring 2021 (Appendix A; Table 1; Figure 4). Mille Lacs Band spearers accounted for 6% of the total effort while Fond du Lac Band accounted for 1%. Six Wisconsin Bands accounted for 93% of the total spearing effort.

				Lac					
	Mille	Fond	Bad	Courte	Lac du	Mole	Red	St.	
	Lacs	du Lac	River	Oreilles	Flambeau	Lake	Cliff	Croix	Total
Boat hours	29.7	7.1	16.8	141	159.6	26.2	38.1	99.3	517.8
Number of spearing permits used	88	11	7	66	117	14	31	52	386

Table 1. Estimated number of spearing boat-hours and number of spearing permits used by eight Chippewa bands in Mille Lacs Lake during the 2021-2022 quota year.

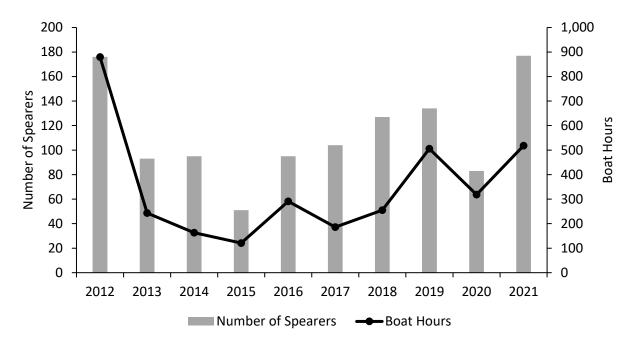


Figure 4. Number of tribal members who speared and total boat hours that occurred during a ten-year period (2012 – 2021) on Mille Lacs Lake.

#### NUMBER OF NET LIFTS

A total of 235 tribal members netted on Mille Lacs Lake and a total of 633 net-lifts occurred during the 2021-2022 quota year, of which 618 occurred in spring 2021 (Table 2; Figure 5). A total of 15 net-lifts occurred in Mille Lacs Lake after spring 2021.

Table 2. Number of net lifts and netting per	rmits used by eight Ojibwe bands on Mille Lacs Lake during
the 2021-2022 quota year.	

	Mille Lacs	Fond du Lac*	Bad River	Lac Courte Oreilles	Lac du Flambeau	Mole Lake	Red Cliff	St. Croix	Total
<u>Spring</u>									
Number of net lifts	187	191	110	16	1	18	56	39	618
Number of permits	187	180	110	16	1	18	56	39	607
<u>After Spring</u>									
Number of net lifts	15	0	0	0	0	0	0	0	15
Number of permits	15	0	0	0	0	0	0	0	15
<u>Total</u>									
Number of net lifts	202	191	110	16	1	18	56	39	633
Number of permits	202	180	110	16	1	18	56	39	622

\* Fond du Lac Band authorized its members to set more than one net under a single permit which accounts for the netting permit count (180) being 11 less than the net-lift count (191) during the 2021-2022 quota year.

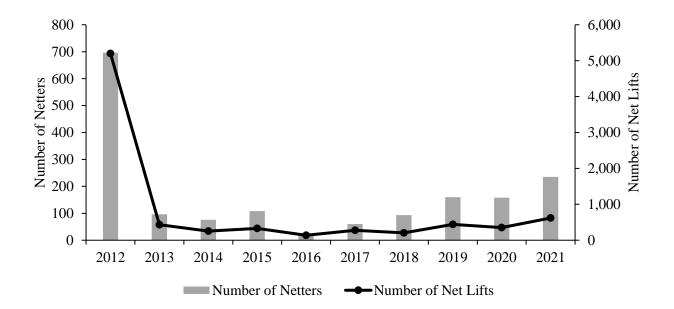


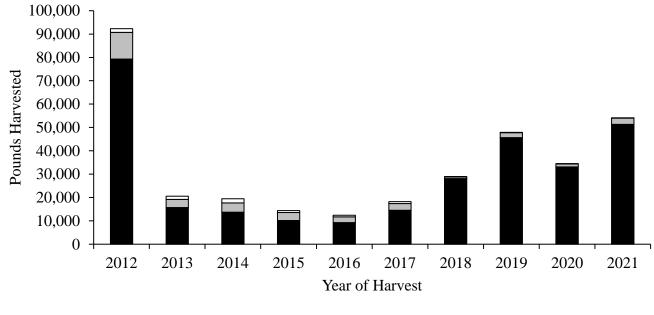
Figure 5. Number of netters and number of net lifts that occurred in spring throughout a ten-year period (2012 – 2021) on Mille Lacs Lake. The reduction of gill net effort in 2013 - 2021 was a response to a decreased walleye quota throughout that time period.

#### HARVEST

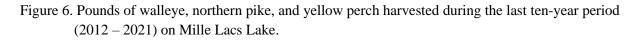
A total of 28,198 fish (54,836.6 pounds; 24,873.5 kg) representing 14 taxa was harvested from on and off reservation waters in Mille Lacs Lake (Table 3). The harvest for the three quota regulated species included: 51,355.6 pounds (23,294.5 kg) of walleye (Figure 6), 2,675.1 pounds (1,213.4 kg) of northern pike, and 116.2 pounds (52.7 kg) of yellow perch. The majority of walleye pounds harvested during spring 2021 was taken by gill net (35,011.2 pounds; 15,880.8 kg) compared to spearing (15,520.6 pounds; 7,040.0 kg) (Figure 7) (Appendix D).

				Mille L	acs - After	r Spring		•		Percent of total
	Mille L	acs - Sprin	ng 2021		2021		Mil	le Lacs - T	otal	weight taken
Species / Taxa	Number Pounds Kg		Number	Pounds	Kg	Number Pounds		Kg	during spring	
Walleye	26,828	50,531.8	22,920.8	301	823.8	373.7	27,129	51,355.6	23,294.5	98.4%
Northern Pike	497	2,611.4	1,184.5	15	63.7	28.9	512	2,675.1	1,213.4	97.6%
Yellow Perch	131	114.8	52.1	1	1.4	0.6	132	116.2	52.7	98.8%
Sucker	85	159.0	72.1	2	3.8	1.7	87	162.8	73.8	97.7%
Musky	1	5.6	2.5	0	0.0	0.0	1	5.6	2.5	100.0%
Tullibee	101	148.7	67.4	177	303.0	137.4	278	451.7	204.9	32.9%
Burbot	15	26.6	12.1	0	0.0	0.0	15	26.6	12.1	100.0%
Bullhead	0	0.0	0.0	1	0.4	0.2	1	0.4	0.2	0.0%
Largemouth Bass	0	0.0	0.0	1	0.6	0.3	1	0.6	0.3	0.0%
Smallmouth Bass	3	4.2	1.9	3	3.4	1.5	6	7.6	3.4	55.3%
Rock Bass	20	12.0	5.4	2	1.0	0.5	22	13.0	5.9	92.3%
Bass Sp.	1	5.0	2.3	6	7.8	3.5	7	12.8	5.8	39.1%
Carp	1	6.0	2.7	0	0.0	0.0	1	6.0	2.7	100.0%
Crappie Sp.	3	1.2	0.5	3	1.4	0.6	6	2.6	1.2	46.2%
Total	27,686	53,626.3	24,324.5	512	1,210.3	549.0	28,198	54,836.6	24,873.5	97.8%

Table 3. Number and pounds of fish harvested in Mille Lacs Lake during and after spring 2021.



■ Walleye  $\square$  Northern Pike  $\square$  Yellow Perch



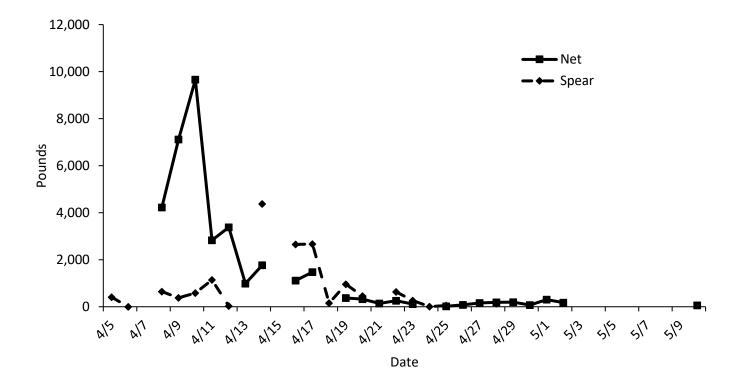


Figure 7. Pounds of walleye harvested daily in Mille Lacs Lake by spearing and netting during spring 2021.

#### **CATCH PER EFFORT (CPE)**

An estimated total of 517.8 boat-hours of spearing on Mille Lacs Lake was recorded during the 2021 – 2022 quota year. A total of 8,043 walleye weighing 16,115.6 pounds (7,309.9 kg) was speared (Table 1; Appendix D); overall catch per effort (total number and weight / total boat hours) for walleye was 15.5 fish and 31.1 pounds (14.1 kg) per hour. During spring 2021, an estimated total of 510.2 boat-hours of spearing was recorded in which 7,852 walleye weighing 15,520.6 pounds (7,040.0 kg) were speared; overall catch per effort during spring was 15.4 fish and 30.4 pounds (13.8 kg) per hour.

A total of 633 net lifts on Mille Lacs Lake was recorded during the 2021 – 2022 quota year in which 19,086 walleye weighing 35,240 pounds (15,880.8 kg) were caught (Table 2; Appendix D). Overall catch per effort was 30.2 fish and 55.7 pounds (25.3 kg) per net lift. During spring 2021, a total of 618 net-lifts was recorded in which 18,976 walleye weighing 35,011.2 pounds (15,880.8 kg) were taken, and CPE was 30.7 fish and 56.7 pounds (25.7 kg) per net lift (Figure 8).

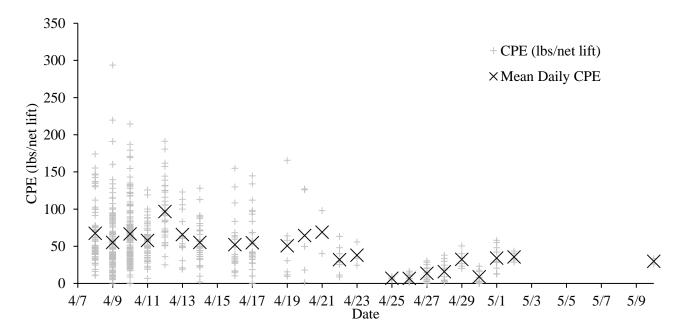


Figure 8. Gill-net CPE (pounds per net-lift) for walleye harvested from Mille Lacs Lake during spring 2021.

#### WALLEYE LENGTH, WEIGHT, AND SEX

A total of 9,531 walleye was measured and sexed during the 2021-2022 quota year (Figure 9 and Figure 10). The majority (84%) was male, with 7% female, and 9% unknown sex. During spring 2021, percentages for walleye netted and sexed were 88% male, 4% female, and 8% unknown sex; the male:female sex ratio was 22.4:1. Percentages for speared walleye were 79% male, 12% female, and 9% unknown sex; the male:female sex ratio was 6.5:1.

Overall mean length was 17.8 inches (45.2 cm) for male and 20.6 inches (52.3 cm) for female walleye. Respective mean lengths for male and female walleye during spring 2021 were: 17.7 (45.0 cm) and 20.3 inches (51.6 cm) for gill netting (Figure 9) and 18.0 (45.7 cm) and 20.7 inches (52.6 cm) for spearing (Figure 10). Mean length of all measured walleye was 18.1 inches (46.0 cm) and mean weight for all walleye was 1.9 pounds (0.9 kg). During spring 2021, for walleye netted, mean length of all measured fish was 17.9 inches (45.5 cm) and mean weight was 1.8 pounds (0.8 kg). For speared walleye during spring 2021, mean length and weight of all measured fish was 18.5 inches (47.0 cm) and 2.0 pounds (0.9 kg).

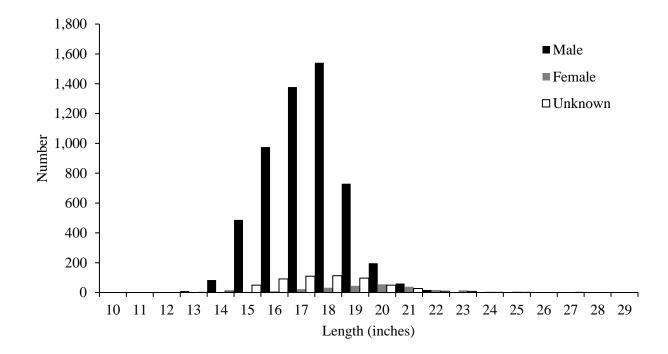


Figure 9. Length frequency of walleye harvested with gill nets in Mille Lacs Lake during the 2021-2022 quota year.

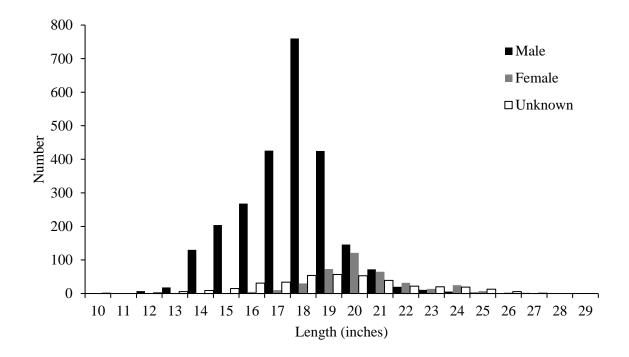


Figure 10. Length frequency of walleye harvested with spears in Mille Lacs Lake during the 2021-2022 quota year.

#### NORTHERN PIKE HARVEST

A total of 512 northern pike weighing 2,675.1 pounds (1,213.4 kg) was harvested from Mille Lacs Lake during the 2021-2022 quota year (Table 5). Overall mean weight per fish was 5.2 pounds (2.4 kg). Most northern pike (98%) were harvested during spring 2021 (497 fish, 2,611.4 pounds; 1,184.5 kg). A total of 327 northern pike was measured and sexed; mean length was 26.7 inches (67.8 cm) (Figure 10). Fourty-eight percent of measured northern pike was male, 17% was female, and 35% was of unknown sex. Mean length was 25.6 inches (65.0 cm) for males and 30.2 inches (76.7 cm) for females. 5.4% percent of the northern pike quota was harvested (Appendix C).

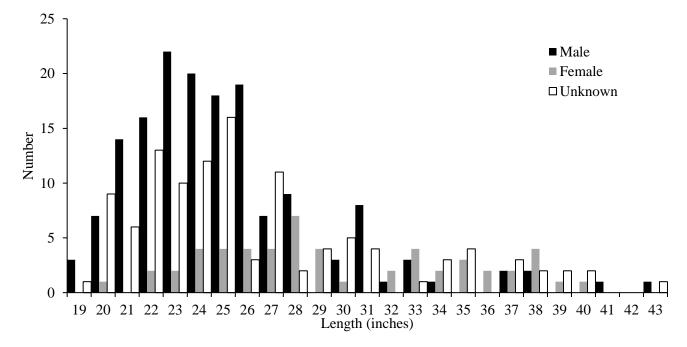


Figure 11. Length frequency of measured northern pike in Mille Lacs Lake during the 2021-2022 quota year.

#### YELLOW PERCH HARVEST

A total of 132 yellow perch weighing 116.2 pounds (52.7 kg) was harvested from Mille Lacs Lake during the 2021-2022 quota year (Table 3); overall mean weight was 0.9 pounds (0.4 kg). For the 98 yellow perch measured and sexed, mean length was 11.5 inches (29.2 cm) (Figure 11); 13% were male, 77% were female, and 10% were unknown sex. Mean length was 10.6 inches (26.9 cm) for males and 11.9 inches (30.2 cm) for females. Less than 1% of the yellow perch quota was harvested (Appendix C).

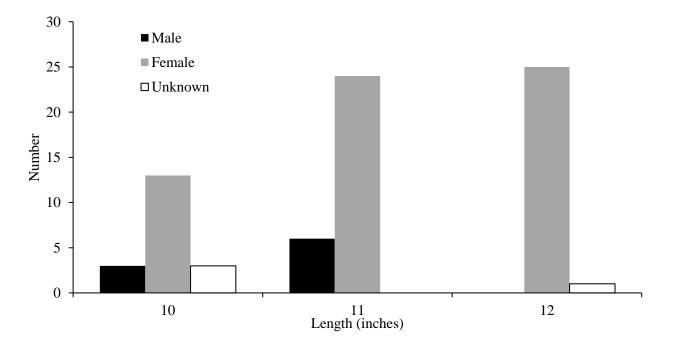


Figure 12. Length frequency of measured yellow perch harvested from Mille Lacs Lake during the 2021-2022 quota year.

#### ACKNOWLEDGEMENTS

The author extends a *Miigwech* to everyone that assisted with monitoring the fishery. I would like to thank Jenny Krueger and Kia Hmielewski for their diligence in compiling nightly harvest statistics, in providing these data to tribal and MnDNR representatives, and in updating each day the list of quotas for each species, along with the adjusted quota, the bag limits, and the number of permits available for each band. In addition, I thank tribal fisheries biologists, tribal wardens, fisheries technicians, and creel clerks who helped to compile harvest data each day. I also appreciate the tribal members who fished and patiently allowed the monitoring of the catch.

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## APPENDIX

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В	Catch Report Form: 1837 Minnesota Ceded Territory	20
C	Quota, harvest, and percent of quota harvested by band and overall for three fish species in Mille Lacs Lake during the 2021-2022 quota year Walleye quotas reflect any inter-tribal quota transfers that occurred during the quota year	21
D	Harvest of walleye, northern pike, and yellow perch by season and gear during the 2021- 2022 quota year on Mille Lacs Lake	22

		Harvest			Date																													
Month-Year	Lake	Method	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
April 2021	Mille Lacs	Net								Х	Х	Х	Х	Х	Х	Х		Х	Х		Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х		20
April, 2021	wille Lacs	Spear					Х	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х	Х	Х	Х		Х	Х	Х	Х			Х				19
May, 2021	Mille Lacs	Net	Х	Х								Х																						3
Oct, 2021	Mille Lacs	Net															Х							Х	Х						Х	Х		5
Oct, 2021	wille Lacs	Spear																	Х	Х	Х		Х								Х	Х		6
Nov, 2021	Mille Lacs	Net								Х																								1

Appendix A. Dates during the 2021-2022 quota year when spearing and netting effort occurred in Mille Lacs Lake.

# Appendix B. Catch report form: 1837 Minnesota Ceded Territory

Ì	LAKE					START TIME (am	or pm)						SPEARING			
	COUN	TY				END TIME (am o					NET ID	)#				
ĺ	LANDI	NG									LENGT	ГН				
- 1			SUE DATE (mm/dd	/yy)							MESH					
			<b>x</b>	1												
	PERMI	Τ#														
	NAME TRIBAL	ID #														
		10 #		appoints			appoints									
	LENGTH (INCHES)	SEX (M,F,U)	TAG #	SPECIES LENGTH (INCHES)	SEX (M,F,U)	TAG #	SPECIES LENGTH (INCHES)	SEX (M,F,U)	1	TAG #	SPECIES LENGTH (INCHES)	SEX (M,F,U)	TAG #			
	(INCHES)	(M,P,O)		(INCHES)	(199,1-,0)		(INCHES)	(M,F,U)			(INCHES)	(M,F,O)				
2																
3																
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26																
27		-														
28						-										
30																
	ΤΟΤΑ	L WEIG	GHT (POUNDS)	TOTA	LWEI	GHT (POUNDS)	ΤΟΤΑ	L WEIG	€HT (POUN	IDS)	ΤΟΤΑ	L WEIG	GHT (POUNDS)			
	MONITO	ORIN	G TEAM													
Ĵ			IF NECESSARY USE ADDITIO	NAL SHEETS	TO RE	CORD SPECIES, LENGTH, S	EX, AND AGO	REGAT	E WEIGHT C	FALL FISH HARV	ESTED BY P	ERMITT	EE			
			COMMERCIAL F	PERMIT		SHEET	OF		F	TRIBE						

#### CATCH REPORT FORM: MINNESOTA

					BAN	ND					
Species		Mille Lacs	Fond du Lac	Bad River	Lac Courte Oreilles*	Lac du Flambeau	Mole Lake	Red Cliff	St. Croix	Intertribal Pool	Bands Combined
Walleye	Quota (Pounds)	17,732	11,853	4,978	5,025	4,978	4,978	4,978	4,978	2,700	62,200
	Pounds Harvested	13,774.5	11,743.4	4550.6	5,201.5	4,850.9	1,707.3	4,579.7	4,947.7	0.0	51,355.6
	Number Harvested	7,465	6,154	2,477	2,573	2,482	985	2,390	2,603	0	27,129
	Percent of Quota Harvested	77.7%	99.1%	91.4%	103.5%	97.4%	34.3%	92.0%	99.4%		82.6%
Northern	Quota (Pounds)	27,500	4,000	3,200	3,200	3,200	2,500	3,200	3,200		50,000
Pike	Pounds Harvested	1,173.4	577.6	461.7	81.4	35.8	136.1	76.4	132.7		2,675.1
	Number Harvested	231	111	102	10	2	21	17	18		512
	Percent of Quota Harvested	4.3%	14.4%	14.4%	2.5%	1.1%	5.4%	2.4%	4.1%		5.4%
Yellow	Quota (Pounds)	40,000	2,000	6,000	5,714	14,000	14,000	10,000	10,000		101,714
Perch	Pounds Harvested	5.8	2.8	100.3	0.0	0.0	4.0	1.0	2.3		116.2
	Number Harvested	6	2	114	0	0	5	1	4		132
	Percent of Quota Harvested	0.0%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%		0.1%

Appendix C. Quota, harvest, and percent of quota harvested by band and overall for three fish species in Mille Lacs Lake during the 2021-2022 quota year. Walleye quotas reflect any inter-tribal quota transfers that occurred during the quota year.

\*The difference between the walleye quota and pounds harvested for LCO is not a quota exceedance but reflects the additional poundage that was harvested from the remaining walleye balance that was reallocated among the tribes after June 1<sup>st</sup> 2021.

MIL transferred 46.8 lbs of walleye to LCO during fall of 2021.

	Gear	Walleye number	Walleye pounds	Walleye Kg	Northern Pike Number	Northern Pike Pounds	Northern Pike Kg	Yellow Perch Number	Yellow Perch pounds	Yellow Perch Kg
Spring										
	Gill net	18,976	35,011.2	15,880.8	486	2,500.1	1,134.0	131	114.8	52.1
	Spear	7,852	15,520.6	7,040.0	11	111.3	50.5	0	0.0	0.0
	Total	26,828	50,531.8	22,920.8	497	2,611.4	1,184.5	131	114.8	52.1
Fall										
	Gill net	110	228.8	103.8	15	63.7	28.9	1	1.4	0.6
	Spear	191	595.0	269.9	0	0.0	0.0	0	0.0	0.0
	Total	301	823.8	373.7	15	63.7	28.9	1	1.4	0.6
	Total	27,129	51,355.6	23,294.5	512	2,675.1	1,213.4	132	116.2	52.7

Appendix D. Harvest of walleye, northern pike, and yellow perch by season and gear during the 2021-2022 quota year on Mille Lacs Lake.