Open-Water Spearing and Netting in the 1837 Minnesota Ceded Territory During the 2015-2016 Quota Year

by

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SUMMARY

The 2015-2016 quota-year was the eighteenth year that open-water spear and net fishing was conducted by Ojibwe Bands in the 1837 Minnesota ceded territory. A total of 157 band members participated in the fishery. Mille Lacs Lake as well as 11 other lakes were the only water bodies that received spearing or netting effort. A total of 6,094 fish weighing 14,893 pounds (6,756 kg) was harvested from Mille Lacs Lake. Walleye represented 68% of the total catch (3,987 fish; 10,165 pounds; 4,611 kg). The harvest of other species that were regulated under a quota included 884 northern pike (3,518 pounds; 1,596 kg), and 971 yellow perch (796 pounds; 361 kg). Most of the harvest occurred during spring, which included 3,981 walleye weighing 10,140 pounds (4,599 kg), 862 northern pike weighing 3,370 pounds (1,529 kg), and 971 yellow perch weighing 796.1 pounds (361 kg). During spring, more walleye were taken by gill net (2,767 fish; 6,523 pounds; 2,959 kg) than by spear (1,214 fish; 3,618 pounds; 1,641 kg) in Mille Lacs Lake. Overall, mean length was 19.3 inches (49.0 cm) for walleye, 25.0 inches (63.5 cm) for northern pike, and 11.5 inches (29.2 cm) for yellow perch; mean weight was 2.5 (1.1 kg), 3.9 pounds (1.8 kg), and 0.8 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 2015-2016 quota year which ran from April 1, 2015 through March 31, 2016. Mille Lacs Lake, Ann Lake (Kanabec Co), Borden Lake (Crow Wing Co), Chisago Lake (Chisago Co), Green Lake (Chisago Co), Green Lake (Isanti Co), North Center Lake (Chisago Co), Platte Lake (Crow Wing Co), East Rush Lake (Chisago Co), South Center Lake (Chisago Co), South Lindstrom (Chisago Co), South Long Lake (Crow Wing Co), and Whitefish Lake (Crow Wing Co) were the only water bodies with harvest and/or effort during a 35 day period in the spring of 2015 (April 4-May 8) (Appendix A). Additional harvest occurred in Mille Lacs Lake on two days within a 12-day period during the fall (October 31 - November 11) and four days within a 10-day period during early spring 2016 (March 11 – March 20)

Five Ojibwe bands actively participated in the 2015-2016 fishery including two Minnesota bands (Mille Lacs and Fond du Lac) and three Wisconsin bands (Bad River, Lac Courte Oreilles, and St. Croix) (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 www.glifwc.org). 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 "Interim Treaty Fisheries Management Plan for the 1837 Minnesota Ceded Territory for 2015-2016".

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 or cap 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.

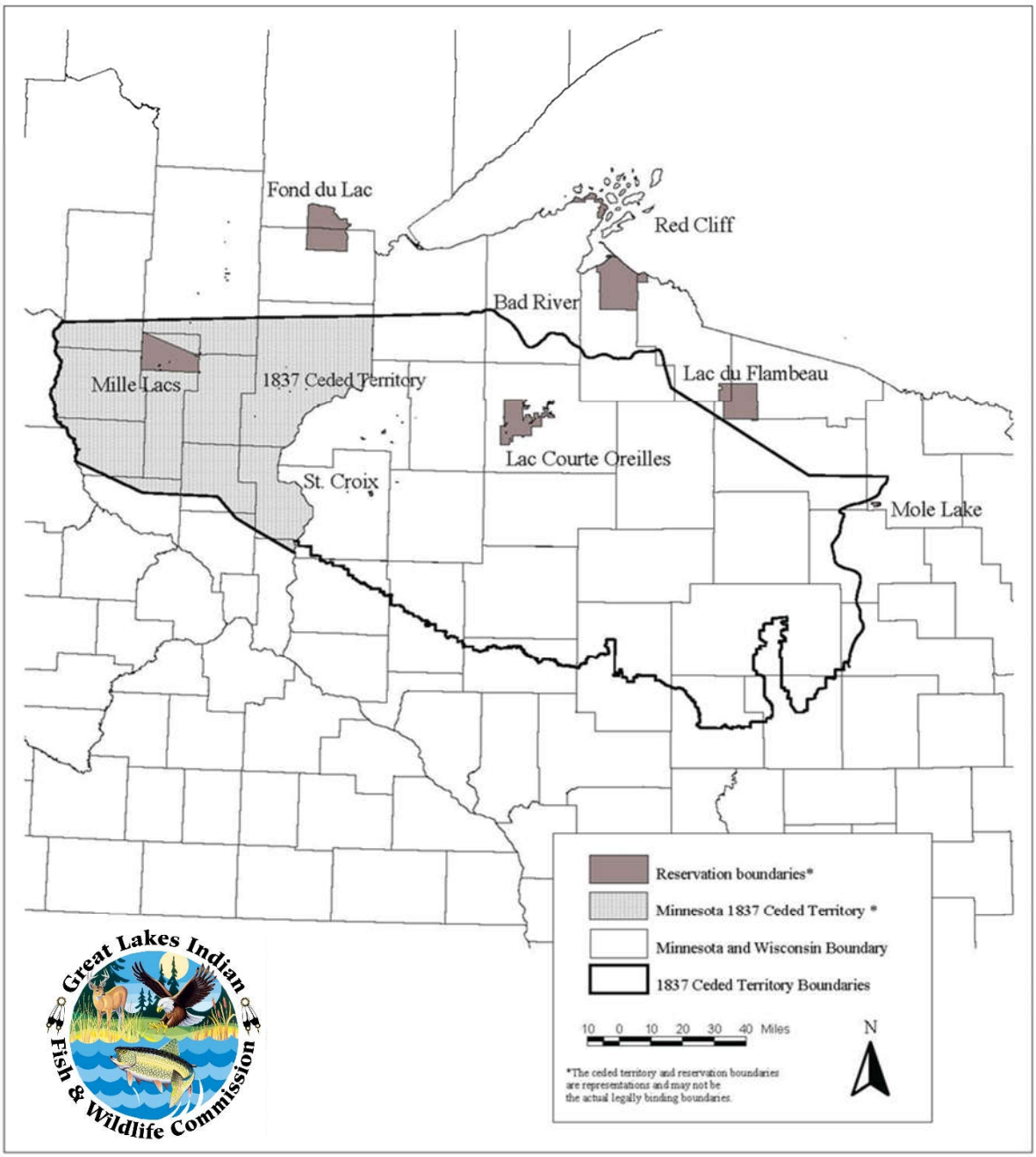
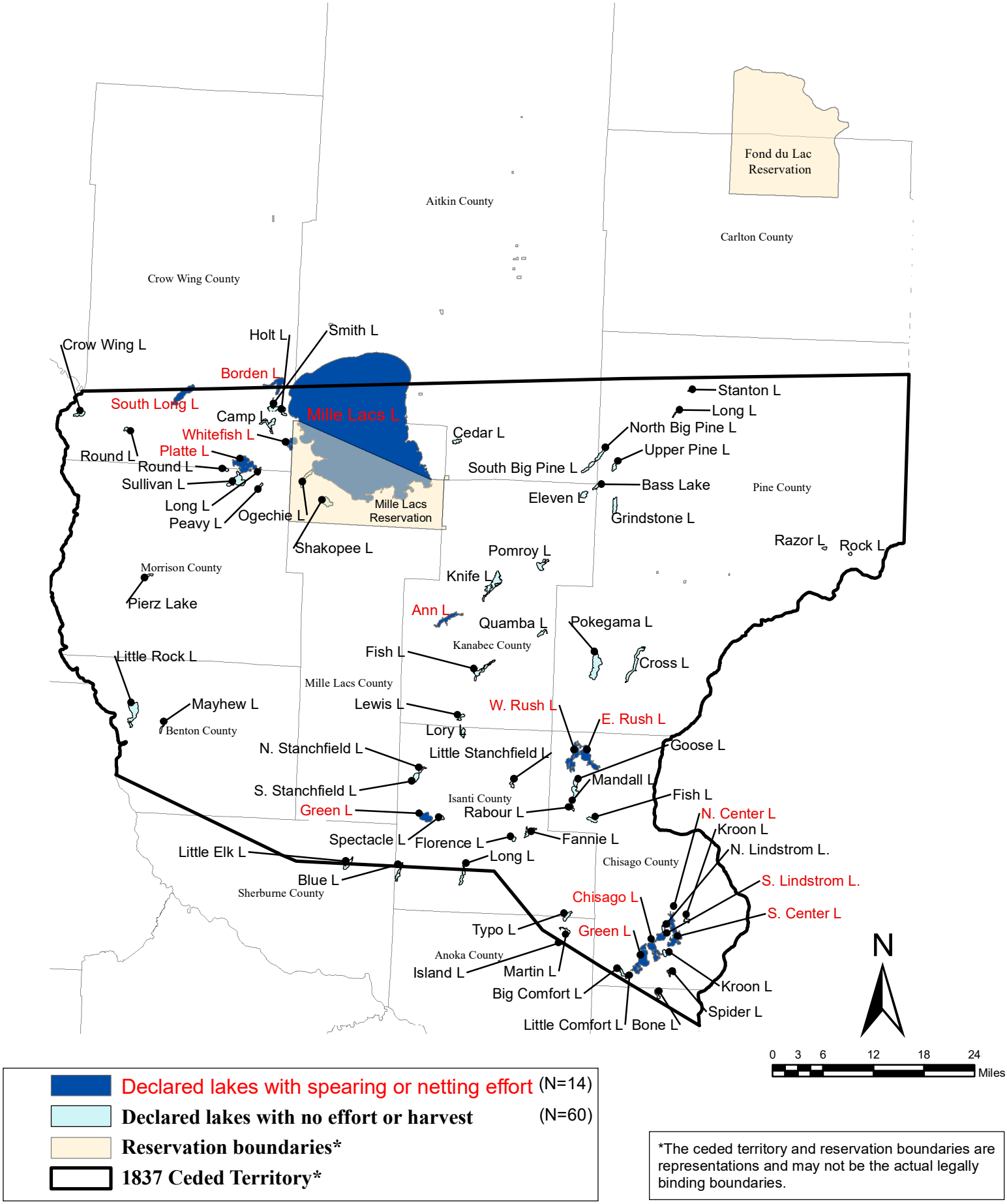


Figure 2. Lakes declared for harvest in the 1837 Minnesota ceded territory during the 2015-2016 quota year.



28 29 30 31 Month _____ 1 2 3 4 5

27 6

MILLE LACS LAKE TREATY FISHING PERMIT **No: 6206**

❒ Spearing ❒ Fyke Netting

26 ❒ Seining ❒ Gill Netting Net ID Tag No. _____ 7

Tribal ID Number _____ of _____ Reservation

25 Name of Permittee (Print) _____ 8

Signature of Permittee _____

24 Issued by _____ of _____ Reservation 9

Bag Limit Walleye _____ Net Lift Time _____

23 Net Length _____ Mesh Size _____ 10

Other Restrictions _____

22 Gill netting restrictions are listed on the back of the permit 11

21 20 19 18 17 16 15 14 13 12

Front

Start Time: _____5:00 pm_____ (AM or PM) End Time: ____8:00 am_____ (AM or PM)

Data for Tagged or Fin Punched Walleye			
Length	Sex	Tag Number	Fin Punch
Total Walleye Harvested			
Count _____ Pounds _____			

Data for Northern Pike		
Length	Sex	Fin Punch
Total Northern Pike Harvested		
Count ____ Pounds ____		

Data for Other Species		
Species	Count	Pounds
Perch		
Tullibee		
Burbot		
Sucker		
SM Bass		
Muskie		

Gill Netting Restrictions

Net ID tag number on net set by permittee must match the net ID tag number identified on this permit.
Nets must be set with weights or anchors that weigh 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 wind conditions and pull their net when warranted or if contacted by warden.
Permittee must notify warden 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 2015-2016 tribal quota year.

RESULTS AND DISCUSSION

FISHING EFFORT

NUMBER OF DAYS FISHED

Spearing or netting effort occurred on 29 dates during the 2015-2016 quota year (Appendix A). During a 35-day period in spring 2015 (April 4 to May 8), spearing occurred in Mille Lacs Lake on 12 dates, while netting occurred on 20 dates. Netting occurred in Mille Lacs Lake on two dates (October 9 to November 10) during the fall and spearing occurred on four dates during early spring 2016 (March 11th – 20th). Netting occurred on six dates and spearing occurred on three dates for lakes other than Mille Lacs.

SPEARING EFFORT

A total of 51 tribal members speared on Mille Lacs Lake and were issued a total of 128 spearing permits during the 2015-2016 quota year. An estimated total of 133.7 boat-hours of spearing effort occurred at Mille Lacs Lake during the 2015-2016 quota year (Table 1; Figure 4); all occurred during spring 2015 and early spring 2016 (Appendix A; Table 1; Figure 4). Mille Lacs Band spearers accounted for 76% of the total effort while Fond du Lac Band accounted for 24%.

For Fond du Lac, one member was issued three permits for Ann Lake (Kanabec Co), one member was issued two permits for Borden Lake (Crow Wing Co), two members were issued five permits for Chisago Lake (Chisago Co), four members were issued nine permits for Green Lake (Chisago Co), two members were issued three permits for Green Lake (Isanti Co), one member was issued two permits for North Center Lake (Chisago Co), one member was issued two permits for South Center Lake (Chisago Co), and one member was issued one permit for South Lindstrom Lake (Chisago Co). Mille Lacs Band was issued one permit for Whitefish Lake (Crow Wing Co).

Table 1. Estimated number of spearing boat-hours and spearing permits used by eight Chippewa bands in Mille Lacs Lake during the 2015-2016 quota year.

	Mille Lacs	Fond du Lac	Bad River	Lac Courte Oreilles	Lac du Flambeau	Mole Lake	Red Cliff	St. Croix	Total
Boat hours	101.3	32.4	0	0	0	0	0	0	133.7
Number of spearing permits used	98	30	0	0	0	0	0	0	128

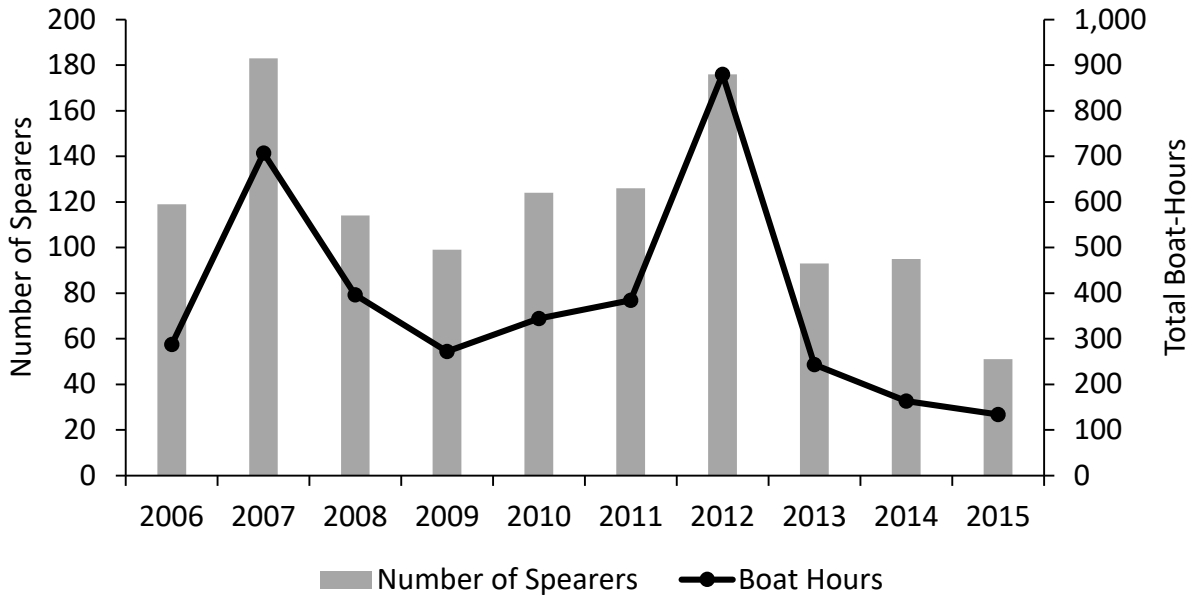


Figure 4. Number of tribal members who speared and total boat hours that occurred during a ten-year period (2006 – 2015) on Mille Lacs Lake.

NUMBER OF NET LIFTS

A total of 108 tribal members netted on Mille Lacs Lake and a total of 332 net-lifts occurred during the 2015-2016 quota year, of which 328 occurred in spring 2015 (Table 2; Figure 5). A total of four net-lifts occurred in Mille Lacs Lake after spring 2015.

For Fond du Lac, two members were issued three gill net permits for Green Lake (Chisago Co), three members were issued three netting permits for Platte Lake (Crow Wing Co), two members were issued two permits for East Rush Lake (Chisago Co), two members were issued three permits for West Rush Lake (Chisago Co), and four members were issued four permits for South Long Lake (Crow Wing Co). Three Mille Lacs Band members were issued three permits for South Long Lake. For St. Croix, one member was issued one permit for Borden Lake (Crow Wing Co), two members were issued three permits for Platte Lake (Crow Wing Co), and two members were issued two permits for South Long Lake (Crow Wing Co). For Bad River, one member was issued four permits for South Long Lake (Crow Wing Co).

Table 2. Number of net lifts and netting permits used by eight Ojibwe bands on Mille Lacs Lake during the 2015-2016 quota year.

	Mille Lacs	Fond du Lac	Bad River	Lac Courte Oreilles	Lac du Flambeau	Mole Lake	Red Cliff	St. Croix	Total
Spring									
Number of net lifts	237	0	73	18	0	0	0	0	328
Number of permits	237	0	73	18	0	0	0	0	328
Fall									
Number of net lifts	4	0	0	0	0	0	0	0	4
Number of permits	4	0	0	0	0	0	0	0	4
Total									
Number of net lifts	237	0	73	18	0	0	0	0	332
Number of permits	237	0	73	18	0	0	0	0	332

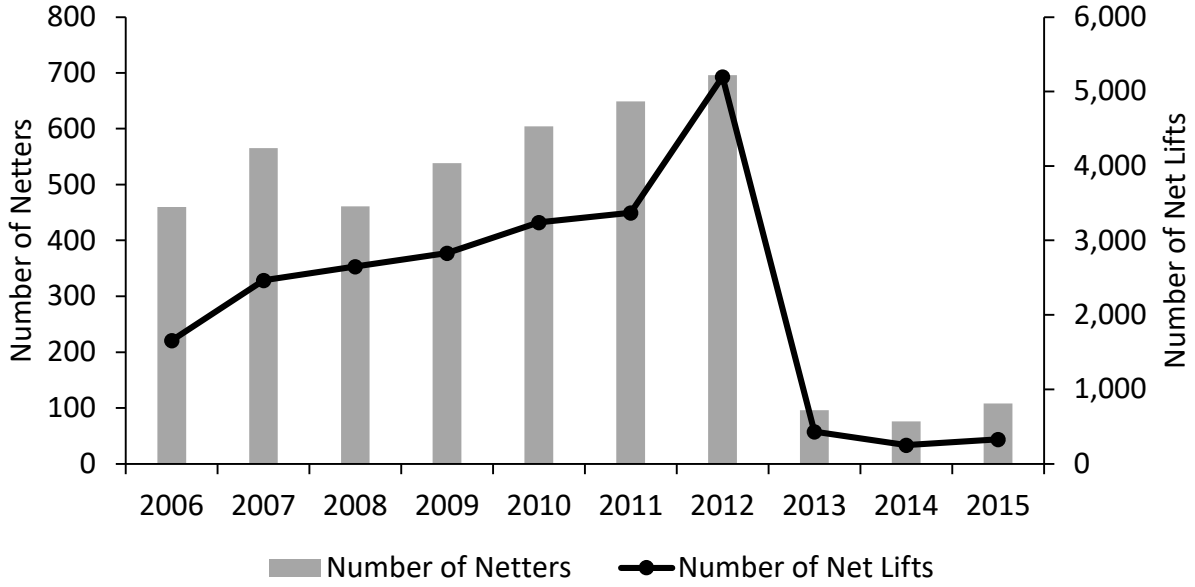


Figure 5. Number of netters and number of net lifts that occurred in spring throughout a ten-year period (2006 – 2015) on Mille Lacs Lake. The reduction of gill net effort in 2013 - 2015 was a response to a decreased walleye quota throughout that time period.

HARVEST

A total of 6,094 fish (14,893.3 pounds; 6,755.5 kg) representing 13 taxa was harvested from on and off reservation waters in Mille Lacs Lake (Table 3). The harvest for the three quota regulated species included: 10,164.6 pounds (4,610.6 kg) of walleye (Figure 6), 3,517.5 pounds (1,595.5 kg) of northern pike, and 796.1 pounds (361.1 kg) of yellow perch. The majority of walleye harvested during spring 2015 was taken by gill net (6,522.5 pounds; 2,958.6 kg) compared to spearing (3,617.5 pounds; 1,640.9 kg) (Figure 7).

A total of 829 fish (1,695.3 lbs; 769.0 kg) was harvested from a total of 12 lakes other than Mille Lacs. Northern Pike (41%) and walleye (41%) represented the majority of the total harvest (82%) (Appendix E).

Table 3. Number and pounds of fish harvested in Mille Lacs Lake during and after spring 2015.

Species / Taxa	Mille Lacs - Spring 2015			Mille Lacs - After Spring 2015			Mille Lacs - Total			Percent of total weight taken during spring
	Number	Pounds	Kg	Number	Pounds	Kg	Number	Pounds	Kg	
Walleye	3,981	10,140.0	4,599.4	6	24.6	11.2	3,987	10,164.6	4,610.6	99.8%
Northern Pike	862	3,370.3	1,528.7	22	147.2	66.8	884	3,517.5	1,595.5	95.8%
Yellow Perch	971	796.1	361.1	0	0.0	0.0	971	796.1	361.1	100.0%
Musky	3	58.4	26.5	0	0.0	0.0	3	58.4	26.5	100.0%
Burbot	12	25.0	11.3	0	0.0	0.0	12	25.0	11.3	100.0%
Sucker	95	170.8	77.5	0	0.0	0.0	95	170.8	77.5	100.0%
Tullibee	25	35.0	15.9	29	43.0	19.5	54	78.0	35.4	44.9%
Smallmouth Bass	11	22.5	10.2	0	0.0	0.0	11	22.5	10.2	100.0%
Largemouth Bass	1	3.8	1.7	0	0.0	0.0	1	3.8	1.7	100.0%
Rock Bass	62	40.1	18.2	0	0.0	0.0	62	40.1	18.2	100.0%
Crappie Sp.	12	10.9	4.9	0	0.0	0.0	12	10.9	4.9	100.0%
Bluegill	1	0.6	0.3	0	0.0	0.0	1	0.6	0.3	100.0%
Bowfin	1	5.0	2.3	0	0.0	0	1	5.0	2.3	100.0%
Total	6,037	14,678.5	6,658.1	57	214.8	97.4	6,094	14,893.3	6,755.5	

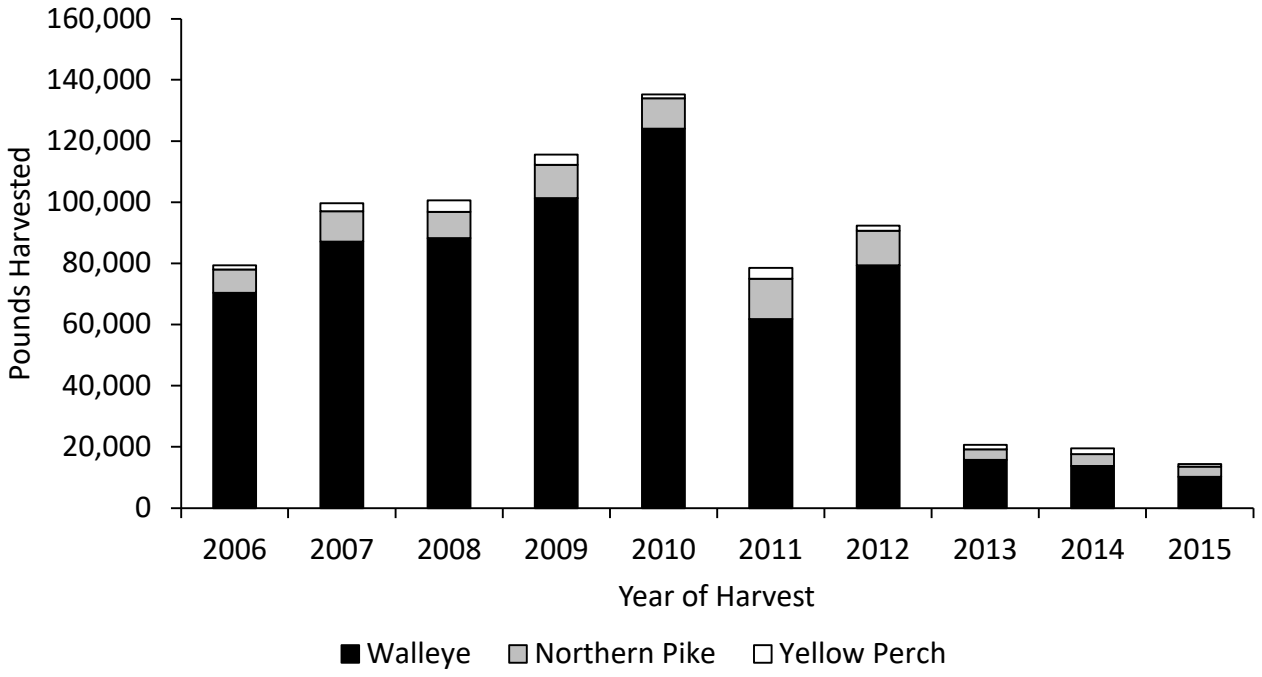


Figure 6. Pounds of walleye, northern pike, and yellow perch harvested during the last ten-year period (2006 – 2015) on Mille Lacs Lake.

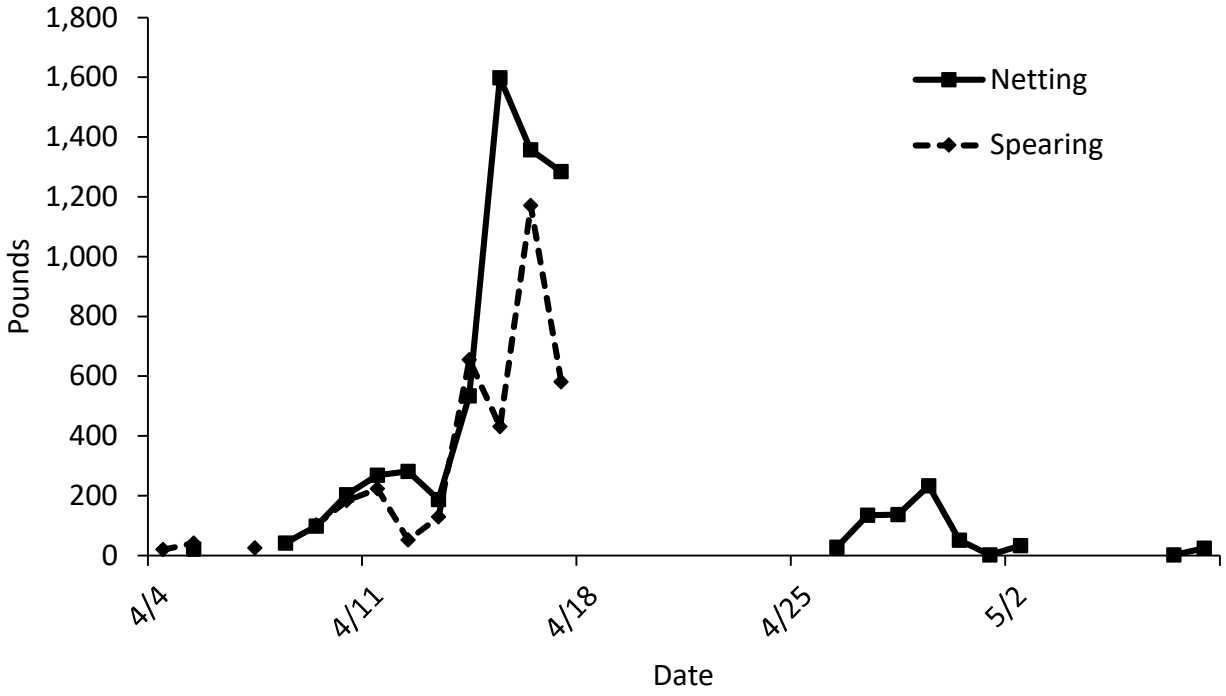


Figure 7. Pounds of walleye harvested daily in Mille Lacs Lake by spearing and netting during spring 2015.

CATCH PER EFFORT (CPE)

A total of 120.9 boat-hours of spearing on Mille Lacs Lake was recorded during spring 2015. A total of 1,214 walleye weighing 3,617.5 pounds (1,640.9 kg) was speared (Table 1; Appendix D); overall catch per effort (total number or weight / total boat hours) for walleye during spring was 10.0 fish and 29.9 pounds (13.6 kg) per hour.

A total of 332 net lifts on Mille Lacs Lake was recorded during the 2015 – 2016 quota year in which 2,773 walleye weighing 6,547.7 pounds (2,967.0 kg) were caught (Table 4; Appendix D). Overall catch per effort was 8.3 fish and 19.7 pounds (8.9 kg) per net lift. During spring 2015, a total of 328 net-lifts was recorded in which 2,767 walleye weighing 6,522.5 pounds (2,958.6 kg) were taken and CPE was 8.4 fish and 19.9 pounds (9.0 kg) per net lift (Figure 8).

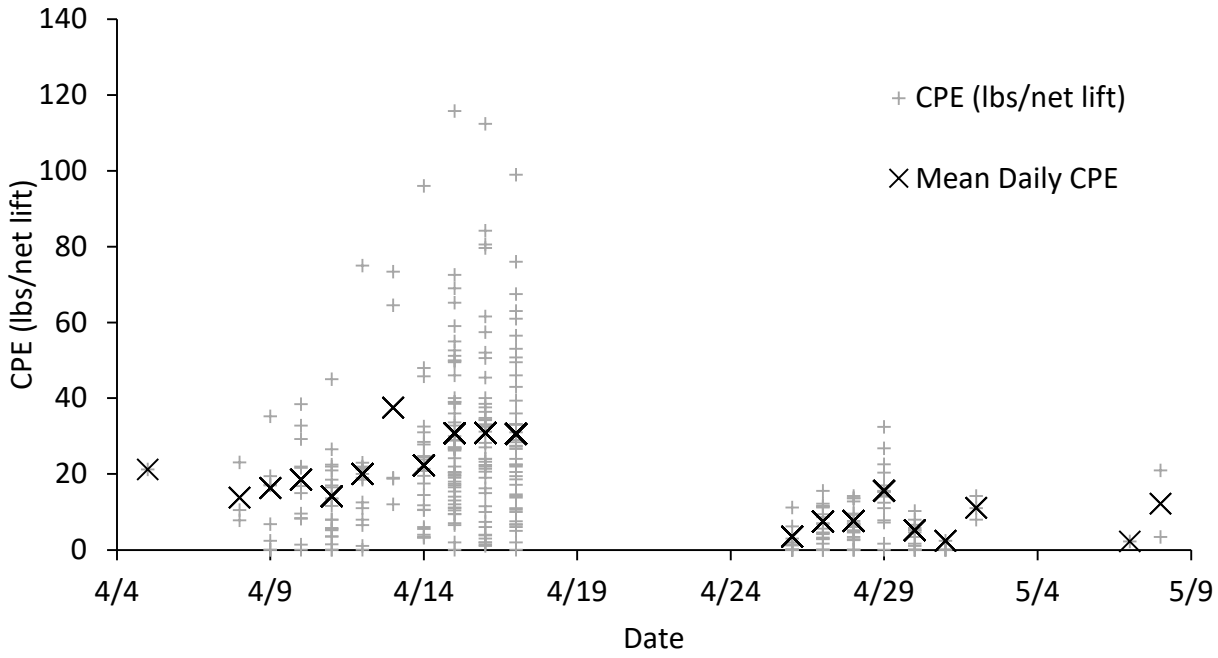


Figure 8. Gill-net CPE (pounds per net-lift) for walleye harvested from Mille Lacs Lake during spring 2015.

WALLEYE LENGTH, WEIGHT, AND SEX

A total of 3,803 walleye was measured and sexed during the 2015-2016 quota year (Figure 7 and Figure 8). The majority (76%) were male, with 19% female, and 5% unknown sex. During spring 2015, percentages for walleye netted and sexed were 79% male, 15% female, and 6% unknown sex; the male:female sex ratio was 5.3:1. Percentages for speared walleye were 71% male, 29% female, and < 1% unknown sex; the male:female sex ratio was 2.5:1.

Overall mean length was 18.3 inches (46.5 cm) for male and 22.9 inches (58.2 cm) for female walleye. Respective mean lengths for male and female walleye during spring 2015 were: 18.1 (46.0 cm) and 22.4 inches (56.9 cm) for gill netting (Figure 7) and 18.8 (47.8 cm) and 23.4 inches (59.4 cm) for spearing (Figure 8). Mean length of all measured walleye was 19.3 inches (49.0 cm) and mean weight for all walleye was 2.5 pounds (1.1 kg). During spring 2015, for walleye netted, mean length of all measured fish was 18.9 inches (48.0 cm) and mean weight was 2.4 pounds (1.1 kg). For speared walleye during spring 2015, mean length and weight of all measured fish was 20.1 inches (51.1 cm) and 3.0 pounds (1.4 kg).

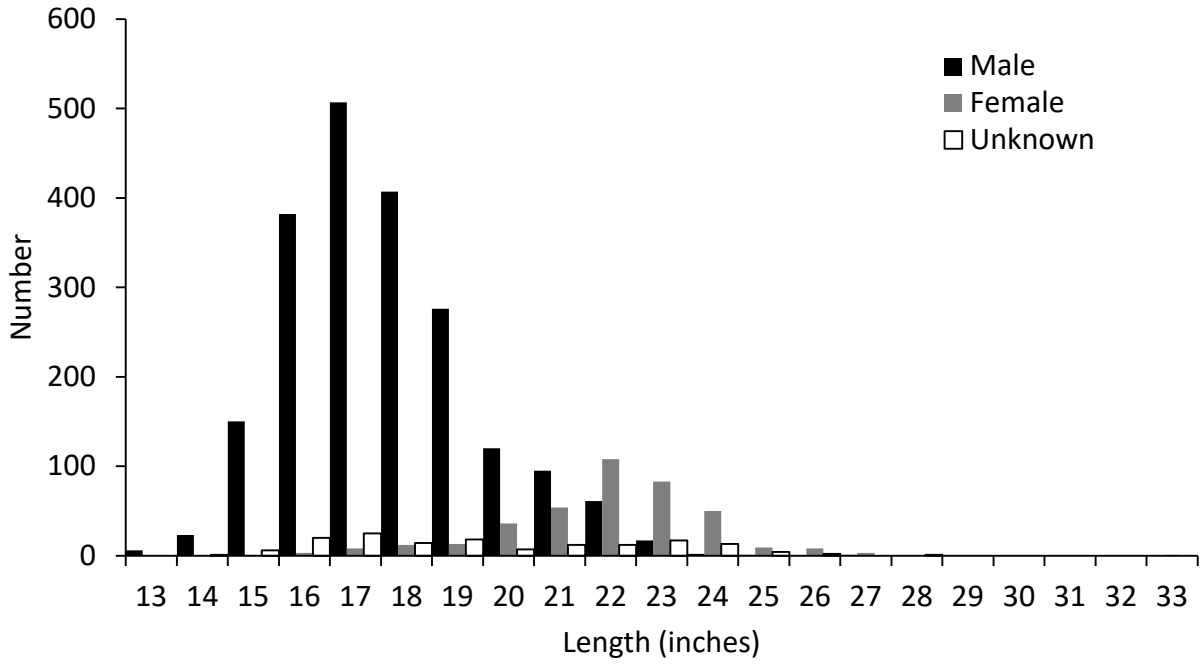


Figure 9. Length frequency of walleye harvested with gill nets in Mille Lacs Lake during the 2015-2016 quota year.

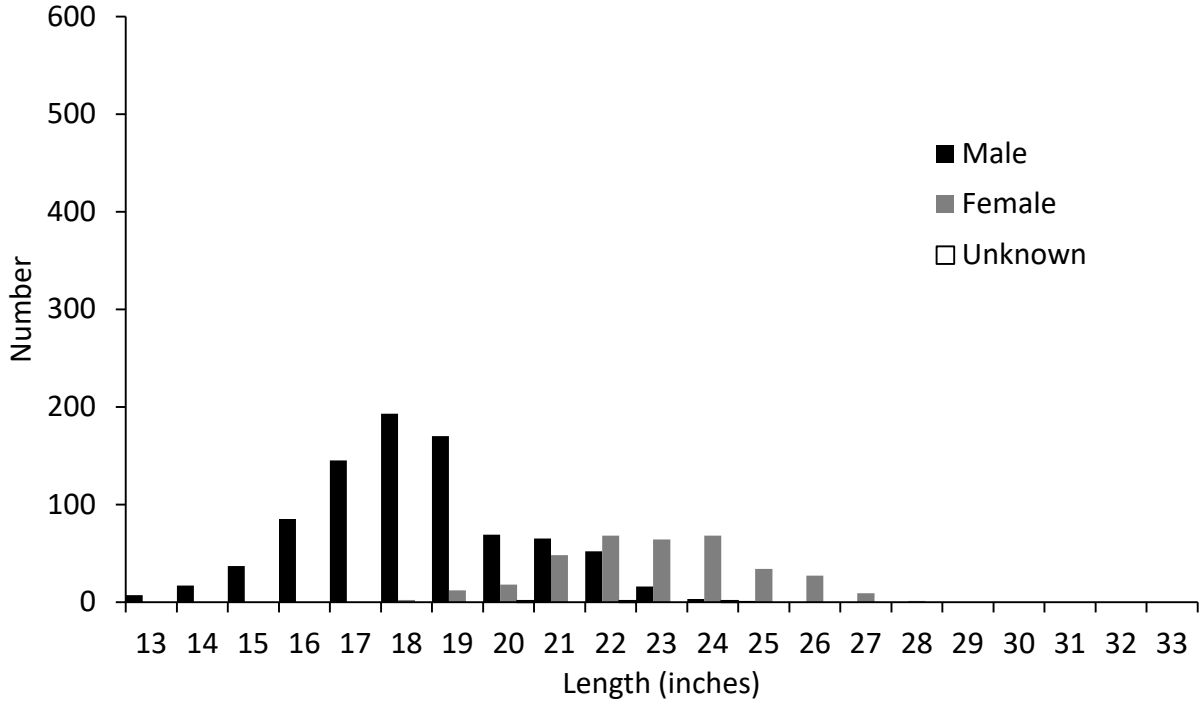


Figure 10. Length frequency of walleye harvested with spears in Mille Lacs Lake during the 2015-2016 quota year.

NORTHERN PIKE HARVEST

A total of 884 northern pike weighing 3,517.5 pounds (1,595.5 kg) was harvested from Mille Lacs Lake during the 2015-2016 quota year (Table 5). Overall mean weight per fish was 4.0 pounds (1.8 kg). Most northern pike (98%) were harvested during spring 2015 (862 fish, 3,370.3 pounds; 1,528.7 kg). A total of 740 northern pike was measured and sexed; mean length was 24.0 inches (61.0 cm) (Figure 10). Fifty-four percent of measured northern pike were male, 15% female, and 31% were of unknown sex. Mean length was 23.6 inches (59.9 cm) for males and 24.9 inches (63.2 cm) for females. 6.8% of the northern pike quota was harvested (Appendix C).

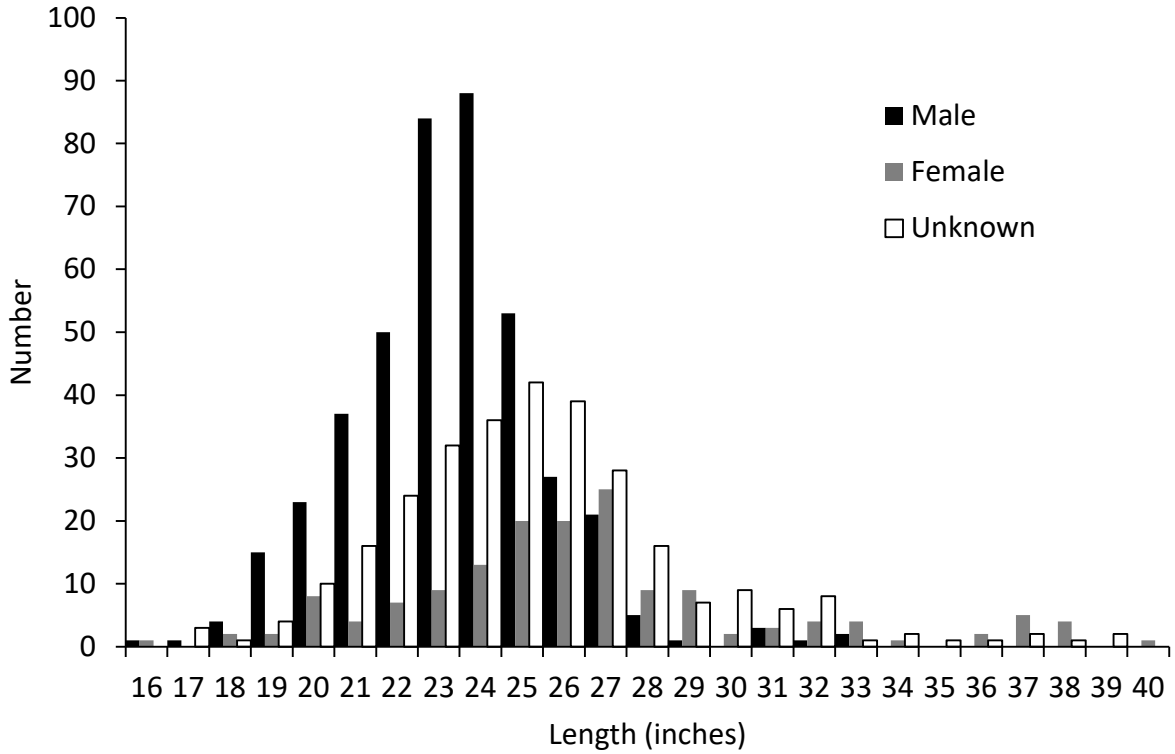


Figure 11. Length frequency of measured northern pike in Mille Lacs Lake during the 2015-2016 quota year.

YELLOW PERCH HARVEST

A total of 971 yellow perch weighing 796.1 pounds (361.1 kg) was harvested from Mille Lacs Lake during the 2015-2016 quota year (Table 5); overall mean weight was 0.8 pounds (0.4 kg). For the 971 yellow perch measured, mean length was 11.5 inches (29.2 cm) (Figure 11). A total of 670 yellow perch was sexed: 51% were male, 48% female and 1% unknown sex. Mean length was 11.3 inches (28.7 cm) for males and 11.7 inches (29.7 cm) for females. Of the total yellow perch quota, < 1% was harvested (Appendix C).

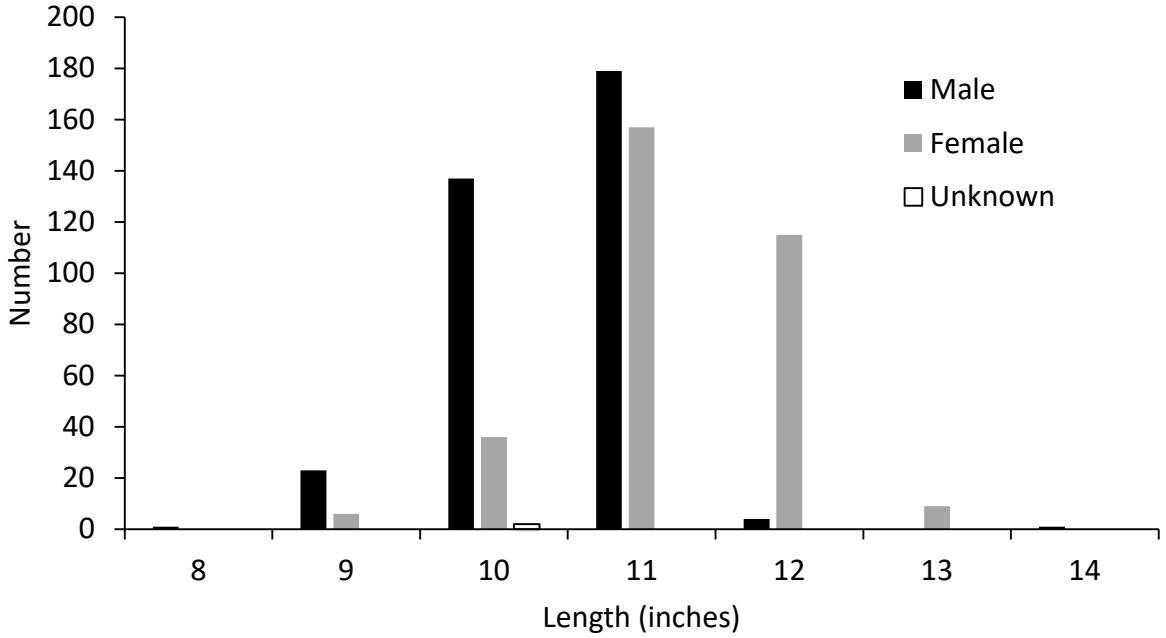


Figure 12. Length frequency of measured yellow perch harvested from Mille Lacs Lake during the 2015-2016 quota year.

ACKNOWLEDGEMENTS

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Appendix A. Dates during the 2015-2016 quota year with spearing and netting effort in Mille Lacs Lake.

Month-Year	Lake	Harvest Method	Date																															Total
			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	
Apr, 2015	Mille Lacs	Net					x			x	x	x	x	x	x	x	x	x	x							x		x	x	x	x	x		17
		Spear				x	x		x		x	x	x	x	x	x	x	x	x															12
	Ann L	Spear																	x															1
	Borden L (Crow Wing Co)	Net																								x								1
		Spear																	x															1
	Chisago L (Chisago Co)	Spear										x																						1
	Green L (Chisago Co)	Net									x																							1
		Spear											x																					1
	Green L (Isanti Co)	Spear											x																					1
	North Center L (Chisago Co)	Spear										x																						1
	Platte L (Crow Wing Co)	Net																x								x								2
	Rush L East (Chisago Co)	Net									x																							1
	South Center L (Chisago Co)	Spear										x																						1
	South Lindstrom L (Chisago Co)	Spear										x																						1
	South Long L (Crow Wing Co)	Net											x		x			x	x							x								5
	Whitefish L (Crow Wing Co)	Spear																													x			1
May, 2015	Mille Lacs	Net	x	x					x	x																								4
Oct, 2015	Mille Lacs	Net																															x	1
Nov, 2015	Mille Lacs	Net											x																					1
Mar, 2016	Mille Lacs	Spear											x	x							x	x												4

Appendix B. Catch report form: 1837 Minnesota Ceded Territory

CATCH REPORT FORM: MINNESOTA

LAKE	START TIME (am or pm)		SPEARING
COUNTY	END TIME (am or pm)	NET ID#	
LANDING		LENGTH	
PERMIT ISSUE DATE (mm/dd/yy)		MESH	

PERMIT #			
NAME			
TRIBAL ID #			

	SPECIES			SPECIES			SPECIES			SPECIES		
	LENGTH (INCHES)	SEX (M,F,U)	TAG #	LENGTH (INCHES)	SEX (M,F,U)	TAG #	LENGTH (INCHES)	SEX (M,F,U)	TAG #	LENGTH (INCHES)	SEX (M,F,U)	TAG #
1												
2												
3												
4												
5												
6												
7												
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28												
29												
30												

TOTAL WEIGHT (POUNDS)	TOTAL WEIGHT (POUNDS)	TOTAL WEIGHT (POUNDS)	TOTAL WEIGHT (POUNDS)

MONITORING TEAM

IF NECESSARY USE ADDITIONAL SHEETS TO RECORD SPECIES, LENGTH, SEX, AND AGGREGATE WEIGHT OF ALL FISH HARVESTED BY PERMITTEE

COMMERCIAL PERMIT SHEET_____ OF_____ TRIBE

Appendix C. Quota, harvest, and percent of quota harvested by band and overall for three fish species in Mille Lacs Lake during the 2015-2016 quota year.

Species		BAND									
		Mille Lacs	Fond du Lac	Bad River*	Lac Courte Oreilles*	Lac du Flambeau	Mole Lake	Red Cliff	St. Croix	Tribal Pool*	Bands Combined*
Walleye	Quota (Pounds)	8,366	2,034	0	0	0	0	0	0	1,000	11,400
	Pounds Harvested	7,527.8	2,030.8	495.6	110.4					606	10,164.6
	Number Harvested	3,088	666	189	44					233	3,987
	Percent of Quota Harvested	90.0%	99.8%	49.6%	11.0%					61%	89.2%
Northern Pike	Quota (Pounds)	27,500	4,000	3,200	3,200	3,200	2,500	3,200	3,200		50,000
	Pounds Harvested	2,397.5	41.2	826.0	252.8						3,517.5
	Number Harvested	610	7	213	54						884
	Percent of Quota Harvested	8.7%	1.0%	25.8%	7.9%						7.0%
Yellow Perch	Quota (Pounds)	40,000	2,000	6,000	5,714	14,000	14,000	10,000	10,000		101,714
	Pounds Harvested	99.5		551	145.6						796.1
	Number Harvested	164		624	183						971
	Percent of Quota Harvested	0.2%		9.2%	2.5%						0.8%

LCO, LDF, MOL, RCF, and STC Band transferred 1,084; 905; 522; 1,084; and 598 pounds of walleye to MLB, respectively.
*Combined harvest for Bad River and Lac Courte Oreilles (606 lbs) was deducted from the intertribal pool of 1,000 pounds.

Appendix D. Harvest of walleye, northern pike, and yellow perch by season and gear during the 2015-2016 quota year on Mille Lacs Lake.

	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	2,767	6,522.5	2,958.6	855	3,329.1	1,510.1	971	796.1	361.1
	Spear	1,214	3,617.5	1,640.9	7	41.2	18.7	0	0	0.0
	Total	3,981	10,140.0	4,599.4	862	3,370.3	1,528.7	971	796.1	361.1
Fall										
	Gill net	6	24.6	11.2	6	30.4	13.8	0	0	0
	Spear	0	0	0	0	0	0	0	0	0
	Total	6	24.6	11.2	6	30.4	13.8	0	0.0	0.0
Early Spring 2016										
	Gill net	0	0	0	0	0	0	0	0	0
	Spear	0	0	0	16	116.8	0	0	0	0
	Total	0	0	0	16	116.8	0	0	0	0
	Total	3,987	10,164.6	4,610.6	884	3,517.5	1,595.5	971	796.1	361.1

Appendix E. Harvest in lakes other than Mille Lacs during the 2015-2016 quota year. Spearing effort occurred on Ann Lake (Kanabec Co) and Whitefish Lake (Crow Wing Co), however no fish were harvested on those lakes.

	Burbot			Bowfin			Bluegill			Bullhead			Carp			Crappie			Largemouth bass			Northern pike			Pumpkinseed			Rockbass			Smallmouth bass			Sucker			Tullibee			Walleye		
Lake	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg	Num	Lbs	Kg
Ann L (Kanabec Co)																																										
Borden L (Crow Wing Co)	1	1.2	0.5																			4	8.8	4.0				1	0.6	0.3										1	4	1.8
Chisago (Chisago Co)							1	0.4	0.2																															66	119.6	54.2
East Rush L (Chisago Co)							1	0.4	0.2													13	77.6	35.2																10	36.8	16.7
Green L (Chisago Co)																			1	4.6	2.1	26	98.4	44.6							1	3.0	1.4							100	217	98.4
Green L (Isanti Co)				1	0.4	0.2																																		2	10.4	4.7
North Center L (Chisago Co)																1	0.2	0.1																								
Platte L (Crow Wing Co)							4	1.4	0.6	41	48.8	22.1				16	18.4	8.3				27	67.2	30.5																51	103.8	47.1
South Center L (Chisago Co)													1	3.8	1.7																									1	4.4	2.0
South Lindstrom L (Chisago Co)																																								4	14	6.4
South Long L (Crow Wing Co)	2	2.0	0.9	1	3.6	1.6	13	4.7	2.1	45	47.8	21.7				5	2.2	1.0	17	19	8.8	146	378	171.5	1	0.3	0.1	57	34.9	15.8	13	14	6.5	43	78	35.5	1	1.6	0.7	98	189.8	86.1
West Rush L (Chisago Co)																1	0.4	0.2				10	70.4	31.9																1	2.2	1.0
Whitefish L (Crow Wing Co)																																										
Total	3	3.2	1.5	2	4	1.8	19	6.9	3.1	86	96.6	43.8	1	3.8	1.7	23	21.2	9.6	18	24	10.9	226	701	317.8	1	0.3	0.1	58	35.5	16.1	14	17	7.8	43	78	35.5	1	1.6	0.7	334	702.0	318.4