



2020 Spring Fishing Harvest Summary
1837 & 1854 Ceded Territories, Including Mille Lacs
Fond du Lac Band of Lake Superior Chippewa

Summary prepared for the Ceded Territory & On-Reservation Conservation Committees
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Organizational Planning:

Declarations: Declarations for walleye harvest were made on a total of seven lakes within the 1837 Ceded Territory of Minnesota and nine lakes in the 1854 Ceded Territory (Table 1). No declarations were made for any Wisconsin 1837 or 1842 Ceded Territory lakes.

Bandmember Sign-Up: Again in 2020, Fond du Lac (FDL) Bandmembers had the opportunity to sign-up online for spearing and netting activities. By signing up online, individuals provided Resource Management Division (RMD) staff with contact phone numbers and email addresses. Individuals could also call RMD staff during regular work hours to sign up, if this was easier. A total of 98 individuals signed up using this online tool, compared to 93 in 2019, 62 in 2018, 90 in 2017 and 61 in 2016. It should be noted that there were a few individuals that ultimately ended up participating that never did sign up, but rather called RMD on a daily basis to inquire about available harvest opportunities. Also, many individuals that did sign up never actually participated.

Covid Complications: During spring 2020, the Band and the nation were struggling with concerns over the Covid-19 Coronavirus. The Band's Emergency Operations Center (EOC) initially decided that FDL would only be allowed to have a maximum of 10 individuals at the landing each day. RMD staff initially determined this would be seven netters, one Conservation Officer, and two creel staff. RMD opted to forego spearing opportunity in 2020.

After discussions with staff, and in the interest of getting members out of the Mille Lacs area quickly, RMD proposed to the EOC that the number of netters be limited each evening, but perhaps not to a set number. Each member would be allowed to bring a family member to help operate the boat and to tend and lift gill nets. This was approved by the EOC. Ultimately it was decided that each participating Band member would be allowed to bring one family member, and the two of them would each be allowed to set two gill nets. RMD decided that limiting members to two nets would spread out the harvest among more family units, as well as limiting the time members and staff would be congregating at the landings cleaning nets and creeling fish.

Morning Notifications and Issuing Daily Permits: Each morning, RMD staff would choose lakes or landings to open for that night and determine the number of available permits. Staff would send a mass email AND a mass text message to all individuals that had signed up and provided an email address and / or cell phone number. These email and texts would identify the lake and landing open for the night. Those individuals that were interested and available to participate were given until noon to either call in or respond to the email. RMD staff conducted a lottery-type drawing at noon to distribute the available permits amongst those interested in participating for that night. Bandmembers receiving a gill net permit were not eligible to receive another until all those that had signed up had participated at least once or had declined a permit.



Table 1. Declarations of walleye by the Fond du Lac Band for lakes within the Minnesota 1837 and 1854 Ceded Territories. Declarations can be in either numbers or pounds. Harvest to date is also presented. Highlighted rows indicate lakes where there was FDL Band harvest activity.

Ceded Territory	Most Recent Harvest Date	Lake	Acreage	County	Declaration (no.)	Declaration (lbs)	Harvest to Date
MN 1837		Chisago	873	Chisago		271	
MN 1837		Green	1,715	Chisago	90		
MN 1837	5/4/2020	Mille Lacs	128,227	Mille Lacs		11,853	14,481.4
MN 1837		Platte	1,674	Crow Wing	111		
MN 1837		South Center	836	Chisago		0	
MN 1837		South Lindstrom	450	Chisago		206	
MN 1837		Sullivan	1,221	Morrison		96	
MN 1854		Boulder	3210.73	St. Louis		1728	
MN 1854		Eagles Nest #2	386.94	St. Louis		123	
MN 1854		Eagles Nest #3	1020.05	St. Louis		332	
MN 1854		Harriet	257.86	Lake		66	
MN 1854		Prairie	794.33	St. Louis		588	
MN 1854		Shagawa	2344.5	St. Louis		1123	
MN 1854	5/5/2020	Vermilion, West	11372	St. Louis		2500	7.0
MN 1854		White Iron	3238.28	St. Louis		2265	
MN 1854		Windy	456	Lake		187	



Harvest in 1837 Ceded Territory (Inland Lakes):

Due to the Covid-19 pandemic and concerns over the safety of staff and participating Band members, Fond du Lac opted to not open any of the 1837 inland lakes.

Mille Lacs Lake:

The walleye quota for 2020 was agreed upon between the State of MN and the Bands at the Winter 1837 Fisheries Technical Committee Meeting at 150,000 lbs. Tribal Allocation for the 2020 fishing season was set at 62,200 pounds of walleye, 50,000 pounds of northern pike, and 135,000 pounds of yellow perch. The State of MN had an allocation for licensed anglers of 87,800 pounds of walleye.

Fond du Lac's allocation for 2020 was 11,853 pounds of walleye for Mille Lacs. The St. Croix and Mole Lake Bands donated an additional 3237 pounds of walleye to Fond du Lac. Fond du Lac started netting activities on 25 April, and finished on the night of 4 May, for a total of nine nights of harvest activities (Table 2, Figure 1). Total harvest for FDL was 14,481.4 pounds of walleye and 393.2 pounds of northern pike (Table 2). FDL reserved the remaining 608.6 pounds of walleye to cover their open water angling fishery ($11,853 + 3237 - 14,481.4 = 608.6$ lbs). Additional species harvested by FDL bandmembers on Mille Lacs Lake included smallmouth bass (33.6 lbs), largemouth bass (5.6 lbs), yellow perch (9.0 lbs), white sucker (96.2 lbs), rock bass (3.1 lbs), burbot (0.6 lbs), black crappie (1.4 lbs), tullibee (4.0 lbs), and one muskie (3.8 lbs) (Table 3).

Harvest by all participating Bands was concentrated at Cedar Creek (14,010.8 pounds) and DNR Landing (5036.4 pounds) access points (Table 4). No harvest was reported from the North Garrison access in 2020 due to a badly damaged boat ramp, making access impossible (Table 4). Gill net harvest rates (lbs walleye / gill net / night) were highest at the Cove access (149.8 ± 14.8 lbs / net), followed by Liberty Beach (140.8 ± 10.4 lbs / net) (Figure 2).

For the Fond du Lac harvesters, walleye catch rate, calculated as the number of pounds of walleye harvested per hour of net effort, was highest on 27 April for netters (8.5 lbs / hr soaked; Table 5), much lower than the 11.9 lbs / hour soaked in 2019 (Table 13 in 2019 Report). For all participating Bands, gill net harvest per night peaked on 27 April at 118.6 ± 12.7 lbs / net, and declined thereafter, though there were two nets with over 200 pounds of walleye on 29 and 30 April (Figure 3).

Participation by FDL was limited each night due to concerns over the transmission of the Covid-19 virus. Maximum number of participating parties was seven (7) parties of two, presumably family members (Table 6). On the night of 30 April, 19 Bandmembers participated with 20 members at the landing, in an effort to slightly increase harvest to limit the time spent down at Mille Lacs. A total of 63 different FDL Band members participated at Mille Lacs Lake (Table 7), up from the 56 that participated in 2019 and the 33 that participated in 2018. Thirty-eight members participated only a single night (Table 7). Five individuals participated for three of the nine nights that FDL was at Mille Lacs (Table 7). The number of boats used ranged from two to eight boats per night (Table 8). This made it easier for FDL's Invasive Program to keep all boats cleaned and disinfected.

At Mille Lacs in spring 2020, harvest ranged from 17.5 to 520.6 pounds of walleye per Bandmember (Table 7, Figure 4). The average harvest for walleyes per individual was 229.9 ± 29.5 , essentially equal to the 2019 average of 203.3 ± 30.5 pounds and the 193.3 ± 69.6 pounds observed in 2018. Median harvest per Bandmember was



224.2 pounds, up from the 2019 median value of 185.2 pounds per member, more than double the 2018 observed value of 89.2 pounds, and four times the 2017 observed value of 48.3 pounds.

A total of 7997 walleyes were harvested by FDL (Table 7). Lengths of walleye harvested ranged from 14.9 to 28.0 inches (Figures 5a & 5b). Note that in Figure 5b, the males are removed to better show the number of females and unknown-sex fish harvested.

RMD biological staff were instructed by supervisors to limit the time spent at the creel landings, and not place a high priority on collecting otoliths for aging harvested walleyes and building the kill-at-age matrix for the Mille Lacs walleye population models. Creel staff only attempted to collect otoliths when time allowed or from nets set by RMD staff members. The goal has always been to collect otoliths from five individuals per sex and per 0.5-inch group, e.g. five males and five females between 15.0 and 15.49 inches. This was not fully possible for 2020. However, ages were interpreted from otoliths collected from 157 of the walleyes (Table 9). The most common ages observed were from the 2013-year class (age-7) and the 2015-year class (age-5) (Table 9 and Figure 6). FDL can expect harvest in pounds of the 2013-year class to start to decline in the future as this cohort likely may not grow much due to low biomass of prey species, and numbers will likely decline as State anglers and Bandmembers continue to target harvest and hooking mortality on this very strong cohort. The 2013-year class is the first cohort since 2008 that has been above average as measured by Year Class Strength Index. The 2017-year class does look to be about average, and should start to show up in the 2021 creel for both State-licensed anglers and tribal fishers. Walleye growth rate by sex is presented in Figure 7. Females are typically larger than males at the same age (Figure 7).



Table 2. Harvest by night and by Landing for the Fond du Lac Band on Mille Lacs Lake, spring 2020.

Row Labels	Column Labels									Grand Total
	4/25/2020	4/26/2020	4/27/2020	4/28/2020	4/29/2020	4/30/2020	5/1/2020	5/3/2020	5/4/2020	
Cedar										
Sum of Number of Permits	26	28	25	23	14	36			7	159
Sum of Number of Nets	26	28	25	25	14	37			7	162
Sum of Walleye Number	1421	1400	1632	1122	680	1170			29	7454
Sum of Walleye Lbs	2662	2487.6	2965.6	1955	1204.6	2158.2			54.2	13,487.2
Sum of Northern Number	4	12	26	7	4	16			1	70
Sum of Northern Lbs	12.8	56.6	129.2	36.8	17.8	61.4			3.4	318
Sum of Perch Number		1	3	0	1	1			2	8
Sum of Perch Lbs		1.4	3.8	0	1	0.8			2	9
Liberty										
Sum of Number of Permits							8	13		21
Sum of Number of Nets							8	13		21
Sum of Walleye Number							305	238		543
Sum of Walleye Lbs							551.8	442.4		994.2
Sum of Northern Number							0	17		17
Sum of Northern Lbs							0	75.2		75.2
Sum of Perch Number										
Sum of Perch Lbs										
Total Sum of Number of Permits	26	28	25	23	14	36	8	13	7	180
Total Sum of Number of Nets	26	28	25	25	14	37	8	13	7	183
Total Sum of Walleye Number	1421	1400	1632	1122	680	1170	305	238	29	7997
Total Sum of Walleye Lbs	2662	2487.6	2965.6	1955	1204.6	2158.2	551.8	442.4	54.2	14,481.4
Total Sum of Northern Number	4	12	26	7	4	16	0	17	1	87
Total Sum of Northern Lbs	12.8	56.6	129.2	36.8	17.8	61.4	0	75.2	3.4	393.2
Total Sum of Perch Number		1	3	0	1	1			2	8
Total Sum of Perch Lbs		1.4	3.8	0	1	0.8			2	9



Table 3. Additional species harvested (lbs) on Mille Lacs Lake, spring 2020, by the Fond du Lac Band participating in harvest activities.

Data	4/25/2020	4/26/2020	4/27/2020	4/28/2020	4/29/2020	4/30/2020	5/1/2020	5/3/2020	5/4/2020	Grand Total
Sum of Perch Number	0	1	3	0	1	1	0	0	2	8
Sum of Perch Lbs	0	1.4	3.8	0	1	0.8	0	0	2	9
Sum of White Sucker No.	0	4	1	2	2	8	1	34	0	52
Sum of White Sucker Lbs.	0.0	7.6	2.0	4.2	4.6	11.8	1.4	64.6	0.0	96.2
Sum of Burbot No.	0	0	1	0	0	0	0	0	0	1
Sum of Burbot Lbs.	0	0	0.6	0	0	0	0	0	0	0.6
Sum of Tullibee No.	0	0	0	0	0	0	0	1	1	2
Sum of Tullibee Lbs.	0	0	0	0	0	0	0	2	2	4
Sum of Smallmouth Bass No.	1	0	1	1	2	1	2	4	0	12
Sum of Smallmouth Bass Lbs.	2.2	0	3.6	1.2	6	3	5	12.6	0	33.6
Sum of Rock Bass No.	2	0	1	0	0	1	0	0	1	5
Sum of Rock Bass Lbs.	1.4	0	0.5	0	0	0.6	0	0	0.6	3.1
Sum of Black Crappie No.	0	1	0	0	0	0	0	1	0	2
Sum of Black Crappie Lbs.	0	1	0	0	0	0	0	0.4	0	1.4
Sum of Largemouth Bass No.	0	0	1	0	0	0	0	1	0	2
Sum of Largemouth Bass Lbs.	0	0	3.8	0	0	0	0	1.8	0	5.6
Sum of Muskie No.	1	0	0	0	0	0	0	0	0	1
Sum of Muskie Lbs	3.8	0	0	0	0	0	0	0	0	3.8



Table 4. Harvest of walleye and northern pike (pounds) from each of the landings on Mille Lacs Lake used by Tribal fishers during the spring 2020 harvest season by all participating Bands. Data is as of 1 July 2020.

Row Labels	Sum of Walleye Lbs	Sum of Northern Lbs
Cedar	14,010.8	321
Cove	3945.1	121.9
DNR	5036.4	371.5
Hennepin	3661.5	111.5
IndianPt	96.1	0
Liberty	3660.6	94.6
Marathon	0	82
SGarrison	1022.3	75
Wigwam	582.8	29.5
Grand Total	32,015.6	1207

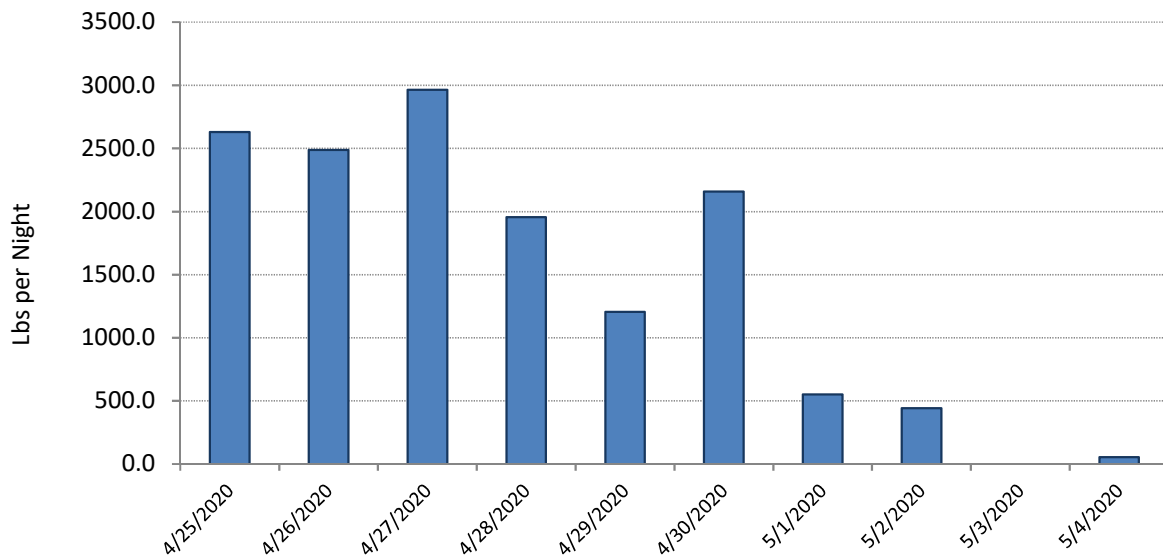


Figure 1. Harvest by walleye pounds for each night of harvest activities by FDL Bandmembers on Mille Lacs Lake, spring 2020.



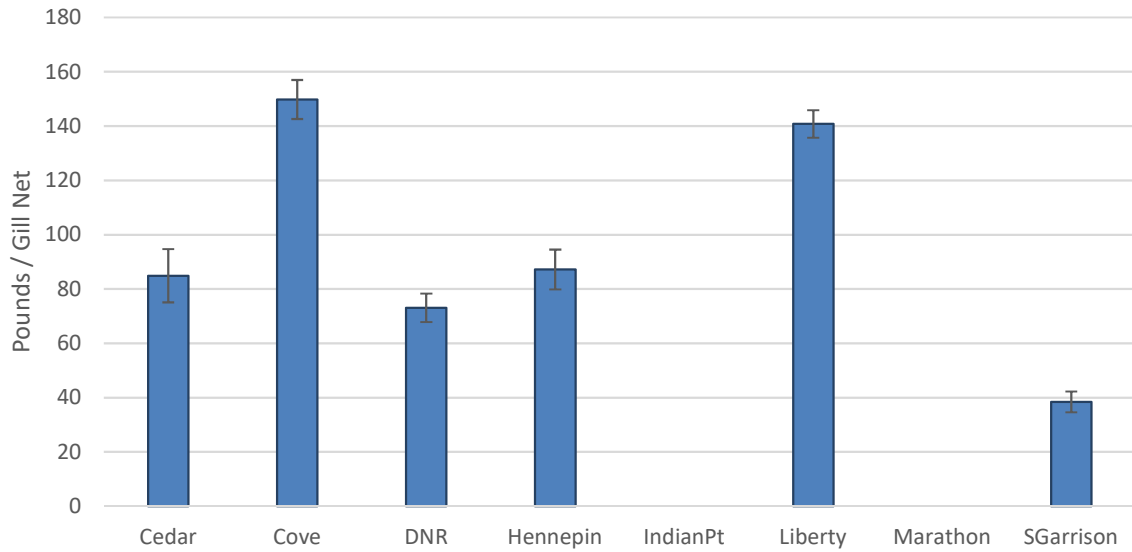


Figure 2. Mean (average ± SE) pounds of walleye harvested per gill net at each landing on Mille Lacs Lake, spring 2020, by all participating Bands. Error bars represent the standard error of the mean.

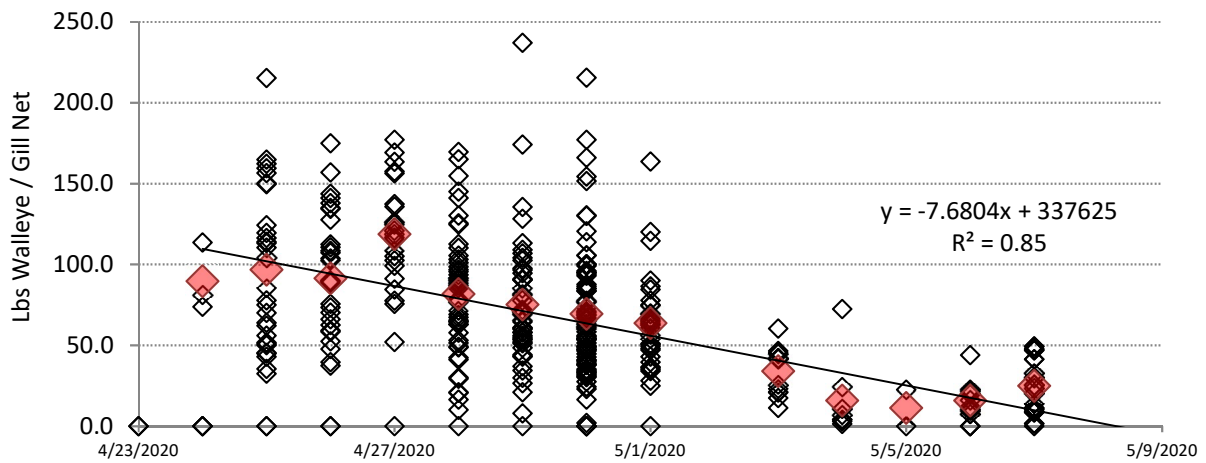


Figure 3. Pounds of walleye harvested per gill net each night of netting on Mille Lacs Lake, spring 2020. Data is from all participating Bands, and not just Fond du Lac. Hollow diamonds are weights from individual nets, whereas red diamonds indicate nightly averages.



Table 5. Harvest effort (no. and lbs. per hour) for Fond du Lac Bandmembers netting walleyes on Mille Lacs Lake, spring 2020. Man-hours would actually be Net Soak Hours.

Date	Man Hours	WAE Harvested (no)	WAE Harvested (Lbs)	No. WAE / Hour	Lbs WAE / Hour
4/25/2020	351.6	1421	2662.0	4.0	7.6
4/26/2020	374.5	1400	2487.6	3.7	6.6
4/27/2020	348.9	1632	2965.6	4.7	8.5
4/28/2020	306.3	1122	1955.0	3.7	6.4
4/29/2020	184.0	680	1204.6	3.7	6.5
4/30/2020	487.0	1170	2158.2	2.4	4.4
5/1/2020	100.0	305	551.8	3.1	5.5
5/2/2020	0.0	0	0	0	0
5/3/2020	173.5	238	442.4	1.4	2.5
5/4/2020	94.5	29	54.2	0.3	0.6
Total Netting	2420.3	7997	14,481.4	3.3	6.0

Table 6. Number of Fond du Lac Bandmembers participating in spring harvest activities on Mille Lacs Lake during spring 2020.

Row Labels	Count of Tribal ID Number
4/25/2020	14
4/26/2020	14
4/27/2020	13
4/28/2020	13
4/29/2020	7
4/30/2020	19
5/1/2020	4
5/3/2020	7
5/4/2020	4
Grand Total	95



Table 7. Sum of total walleye and northern pike pounds harvested per Fond du Lac Bandmember on Mille Lacs Lake during spring 2020 spearing and netting activities. Days Participating presents the number of nights each individual participated. Bandmembers participated on average 1.5 ± 0.2 nights.

TRIBAL ID	Data		Sum of Walleye Pounds	Sum of Northern Pike Pounds
	Count of	DATE		
3068	1		333.2	23.4
3085	2		520.6	15.6
3091	1		251.0	4.2
3094	1		90.0	
3104	1		278.0	
3117	1		224.2	35.8
3123	1		235.8	2.4
3129	2		216.6	30.8
3173	2		371.2	
3235	2		240.8	20.8
3252	1		110.8	
3275	1		162.0	
3297	3		277.8	
3313	1		173.8	
3366	3		228.4	43.8
3526	2		275.4	6.2
3588	1		312.4	2.6
3596	1		188.0	16.6
3597	1		100.0	
3646	2		389.6	8
3672	1		197.0	19.6
3698	1		235.8	7.2
3700	2		402.4	8.6
3776	2		491.8	7.2
3807	1		125.2	13.4
3814	1		265.2	2.8
4069	1		93.6	
4119	3		335.6	10.4
4153	2		256.0	3
4231	1		148.2	
4240	1		241.8	
4253	2		260.6	
4294	2		474.0	2.2
4323	2		114.2	3.4
4365	3		304.4	
4439	1		20.8	3.4
4445	1		214.6	5.6
4481	2		322.0	
4533	1		127.6	19.8
4589	1		129.2	
4611	1		281.4	9.8
4649	3		463.5	10.2



4701	1	175.8	
4769	3	261.4	5.8
4866	3	458.6	10.4
4867	2	260.4	2.4
4886	1	129.6	
4947	1	80.0	
4956	2	166.4	4.6
4957	2	381.6	14.6
4963	1	100.2	
5136	2	260.8	6.6
5558	1	141.6	
5561	2	116.8	3.8
5691	1	114.0	4.2
5803	1	179.0	
5804	1	17.5	
5815	1	152.2	
5898	1	148.8	4
6171	1	222.8	
6432	1	191.0	
6433	1	374.6	
6555	1	63.8	
Grand Total	95	14,481.4	393.2



Table 8. Number of unique boats participating on each night for the Fond du Lac Band on Mille Lacs Lake during spring 2020 spearing harvest activity.

Row Labels	Count of Unique Number of Boats
4/25/2020	7
4/26/2020	7
4/27/2020	6
4/28/2020	8
4/29/2020	5
4/30/2020	8
5/1/2020	2
5/3/2020	5
5/4/2020	2
Grand Total	50

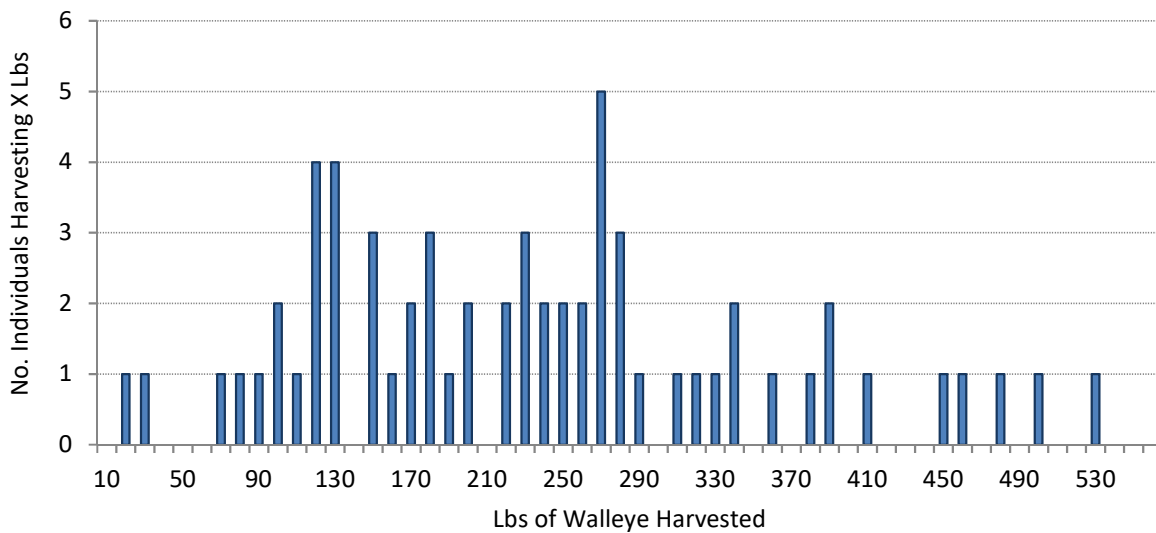


Figure 4. Amount of walleye pounds harvested in Mille Lacs Lake during spring 2020 by the number of Fond du Lac Bandmembers. Category values represent a maximum value, e.g. 130 means that four individuals came to Mille Lacs and harvested between 120.1 and 130.0 pounds of walleye, whereas one individual harvested between 520.1 and 530.0 pounds of walleye. Mean harvest was 229.9 ± 29.5 lbs / member (min 17.5, max 520.6), with a median value of 224.2 lbs. This is similar to that observed in 2019, 203.3 ± 30.5 lbs / member, and median of 185.2 lbs (Figure 4, 2019 Report).



Table 9. Ages assigned to 157 aged walleyes harvested from Mille Lacs Lake during spring 2020 activities by the Fond du Lac Band. Ages were interpreted using otoliths, and are separated by female (F), male (M), and unknown (U) fish.

Cohort	Count of Age Row Labels	Column Labels			Grand Total
		F	M	U	
2017	3		1		1
2016	4	1	9		10
2015	5	32	8		40
2014	6	8	4	1	13
2013	7	42	16	3	61
2012	8	4	10		14
2011	9	1	2	1	4
2010	10	1	1	1	3
2009	12	1	5	1	7
2008	13	1	1		2
2006	15		1		1
2003	18		1		1
Grand Total		91	59	7	157



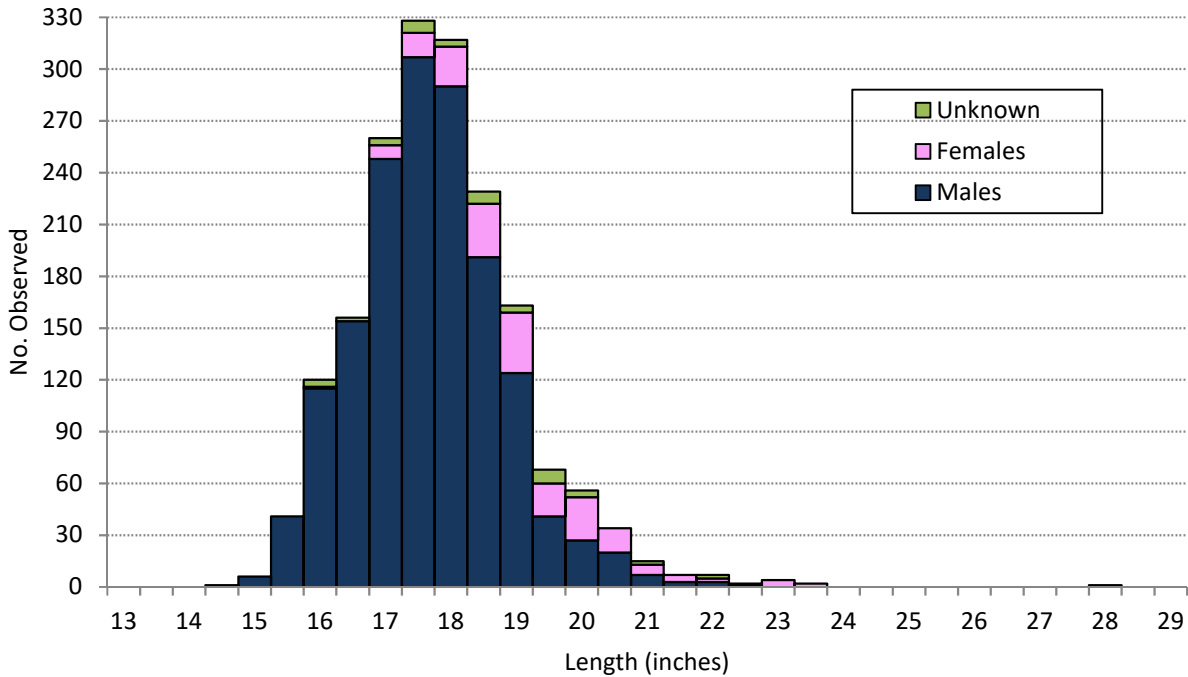


Figure 5a. Length frequency distribution of all walleyes harvested by Fond du Lac Bandmembers on Mille Lacs Lake during spring 2020 harvest activities. Harvest is separated by males (blue bars), females (pink bars), and unknown individuals (green bars). Harvest in 2020 was limited to netting due to Covid-19 concerns. Per the protocols, Fond du Lac measured the first 100 fish and those from the last two (2) gill nets every morning.

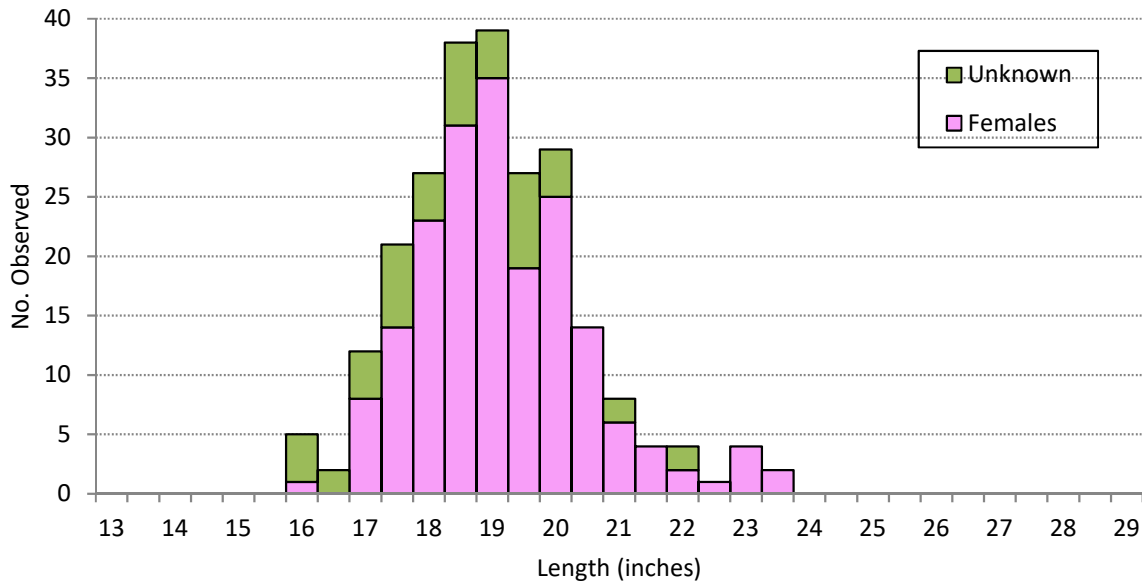


Figure 5b. Length frequency distribution of all female and unknown walleyes harvested by the Fond du Lac Band on Mille Lacs Lake during spring 2020 harvest activities. Harvest in 2020 was limited to netting due to Covid-19 concerns. Per the protocols, Fond du Lac measured the first 100 fish and those from the last two (2) gill nets every morning. This is the same data presented in Figure 5a, with the males removed to change the scale on the No. Observed axis.



Age of harvested walleyes from Mille Lacs, Spring 2020

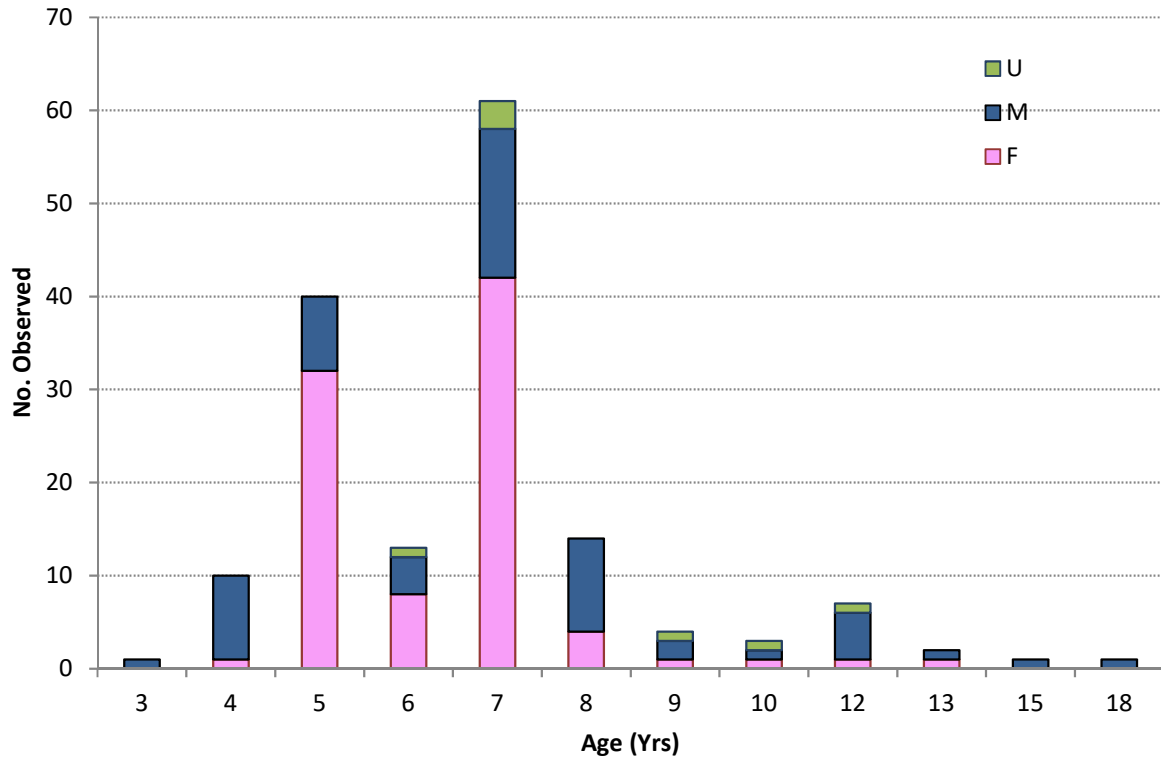


Figure 6. Age Frequency distribution of walleyes collected from Mille Lacs Lake during spring 2020 harvest activities. Ages were interpreted using otoliths, and are separated by males (blue bars) and females (pink bars).



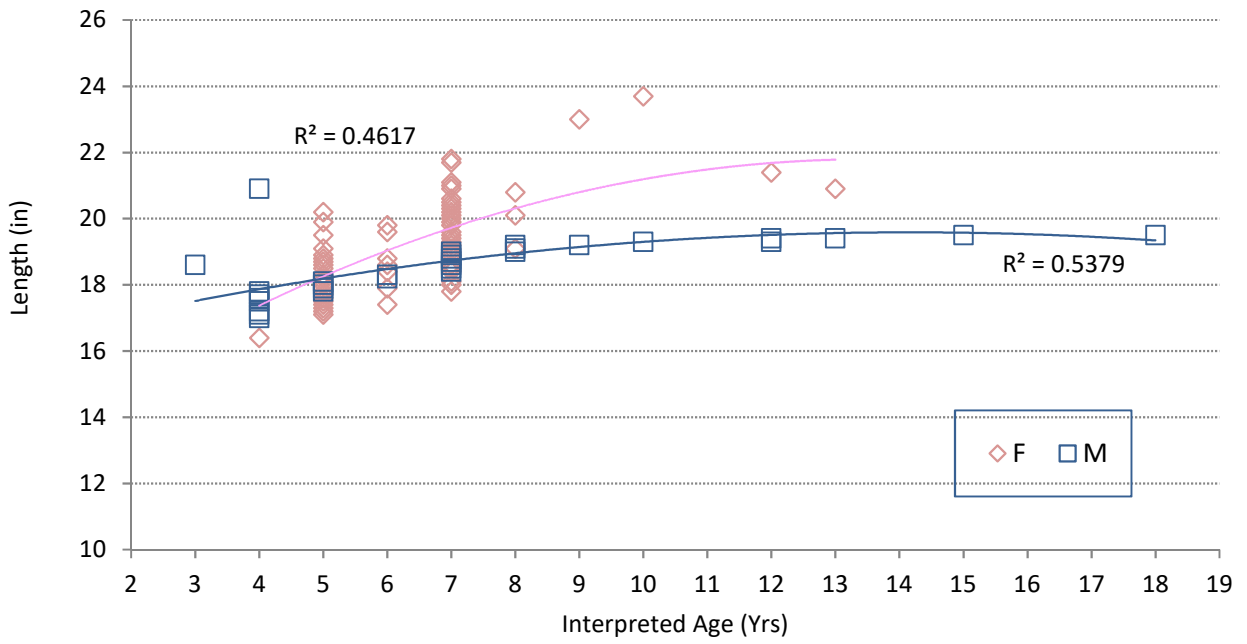


Figure 7. Length at age for male (blue squares) and female (pink diamonds) walleyes collected from Mille Lacs Lake during spring 2020 harvest activities. Interpreted ages were made using otoliths collected at the time of creeling.



Harvest in 1854 Ceded Territory:

Due to the concerns of Covid-19 and social distancing protocols and requirements, FDL only participated in harvest activities for a single night on Lake Vermilion (Table 1).

On 5 May, Fond du Lac opened up the Western basin of Lake Vermilion for netting. Five individuals set nets on each lake (Table 13). The five FDL netters harvested 7.0 pounds of walleye (N = 3 walleye) from Lake Vermilion (Tables 14 & 15). Northern pike harvest was at 68.8 pounds (N = 20 pike) (Tables 14 & 15).

Walleye lengths harvested are not presented in a figure, due to low numbers. Lengths and sex of those harvested walleyes were two males (21.1 in and 20.7 in) and an unknown individual (15.6 in). Lengths were not taken from the twenty harvested northern pike.

Only five Bandmembers participated on the single night at Lake Vermilion, each setting two gill nets (Table 13). These five Bandmembers were in two family groups, using only two boats (Table 16).

A single tullibee and white sucker were also harvested from Lake Vermilion (Table 17).

Gill Netting:

Mille Lacs Lake represents a unique opportunity for Bandmembers to net walleyes and experience exceptional and highly efficient harvest rates (Table 18). Harvest rates for walleyes on Mille Lacs Lake (80.4 ± 6.4 pounds per net average; Table 18) do not necessarily translate to similar harvest rates on other bodies of water. Harvest rates in Lake Vermilion were much lower at 0.7 ± 0.9 pounds of walleye per net. This largely contributed to Fond du Lac spending only a single night on this lake.

Bandmember Harvest and Participation:

Total walleye harvest within both lakes in the 1837 and 1854 Ceded Territories of Minnesota was 14,488.4 pounds (Table 19), slightly more than what was harvested in 2019 (13,404.6 pounds, Table 24 of the 2019 Report), more than double the 6894.6 pounds taken in 2018, and well above the 2017 total of 3753.8 pounds. Total harvest of northern pike was 462.0 pounds (Table 19), about half of the 901.1 pounds harvested in 2019 (Table 24 of the 2019 Report).

Sixty-three different Bandmembers participated in spearing and netting activities during the spring 2020 fishing season (Table 19), down slightly from the 70 that participated in 2019. Bandmembers harvested between 17.5 and 520.6 pounds of walleye per individual (Table 19, Figure 10), and between 0.0 and 43.8 pounds of northern pike (Table 19). Average walleye harvest per individual Bandmember increased over the 2019 average, from 194.3 ± 32.7 pounds per member in 2019 to 230.0 ± 29.5 pounds in 2020 (median increased from 173.8 pounds in 2019 to 224.2 pounds in 2020). The number of permits claimed per individual ranged from one (five individuals) to 6 permits (seven individuals) (Figure 11). Last year, several Bandmembers were issued more than 20 permits. The decline is likely due to the Covid procedures limiting nightly participation, and the FDL Band not opening up spearing opportunities in 2020.



Fond du Lac Bandmembers have recently expressed concern that the Band is “leaving fish on the table” that could / should be going to the community. This year, FDL Bandmembers did harvest their entire Mille Lacs quota, and were only allowed to continue harvesting on Mille Lacs because of the generous donations from the St. Croix and Mole Lake Bands. But participation was down this year, perhaps due to Covid concerns. That said, most of the Midwestern states are seeing a huge spike in fishing license sales while folks are home and not traveling (Dan Wilfond (MNDNR) and Jeff Kopaska (Iowa DNR), personal communication). Participating Bandmembers need to start looking around the community for members of the next generation, and begin mentoring these youngsters. If no one shows the next generation how to participate in the springtime harvest opportunities available to the community, interest in spring harvest activities will continue to decline as it has over the last two decades. RMD will continue to provide opportunities for our Bandmembers, but to get fish into the community will require increased interest and participation by Bandmembers in the future.



Table 13. Fond du Lac Bandmembers participating each night within 1854 Ceded Territory Lakes during the 2020 spring harvest season. There were no spearing permits issued for any of the 1854 Lakes in 2020. Data presented are the number of gill net permits issued to each individual, i.e. each Band member set two nets on the only night FDL fished on Lake Vermilion.

Count of Gear	Column Labels
Row Labels	Net
Vermilion (West Basin)	
5/5/2020	
3526	2
3588	2
5815	2
6432	2
6433	2
Grand Total	10



Table 14. Harvest (pounds) of walleye and northern pike from the 1854 Ceded Territory during the spring 2020 harvest season.

Pounds of Walleye

Sum of Walleye Pounds	Column Labels
Row Labels	Vermilion (West Basin)
5/5/2020	7.0
Grand Total	7.0

Pounds of Northern Pike

Sum of NORTHERN POUNDS	Column Labels
Row Labels	Vermilion (West Basin)
5/5/2020	68.8
Grand Total	68.8



Table 15. Harvest (number) of walleye and northern pike from the 1854 Ceded Territory during the spring 2020 harvest season.

Walleye Numbers

Sum of Walleye No.	Column Labels
Row Labels	Vermilion (West Basin)
5/5/2020	3
Grand Total	3

Northern Pike Numbers

Sum of Northern No.	Column Labels
Row Labels	Vermilion (West Basin)
5/5/2020	20
Grand Total	20



Table 16. The number of boats used each night and on each lake by Fond du Lac Bandmembers while participating in 2020 spring harvest activities within the 1854 Ceded Territory of Minnesota.

Count of Unique No. Boats	Column Labels	
	GN	Grand Total
Row Labels	GN	Grand Total
Vermilion (West)	2	2
5/5/2020	2	2
MN9287FH	1	1
SD339DV	1	1
Grand Total	2	2



Table 17. Harvest of additional species by Fond du Lac Bandmembers within within Lake Vermilion, Minnesota, during spring 2020 harvest activities.

Row Labels	
Vermilion (West Basin)	
5/5/2020	
Sum of Tullibee No.	1
Sum of Tullibee Lbs.	0.8
Sum of White Sucker No.	1
Sum of White Sucker Lbs.	1.8



Table 18. Mean (average) and median gill net catch rates for walleyes and northern pike within Lakes Mille Lacs and Vermilion, Minnesota, during spring 2020 harvest activities.

Row Labels	Sum of No. Nets	Sum of WAE No.	Sum of WAE Lbs	Sum of NOP No.	Sum of NOP Lbs	Mean No. WAE / Net	Mean Lbs WAE / Net	Median Lbs WAE / Net	Mean No. NOP / Net	Mean Lbs NOP / Net	Median Lbs NOP / Net
1837											
Mille Lacs	180	7997	14,481.4	87	393.2	44.4 ± 3.6	80.4 ± 6.4	75.3	0.5 ± 0.2	2.2 ± 0.8	0
1837 Total	180	7997	14,481.4	87	393.2	44.4 ± 3.6	80.4 ± 6.4	75.3	0.5 ± 0.2	2.2 ± 0.8	0
1854											
Vermilion (West)	10	3	7	20	68.8	0.3 ± 0.3	0.7 ± 0.9	0.0	2.0 ± 1.5	6.9 ± 5.6	3.5
1854 Total	10	3	7	20	68.8	0.3 ± 0.3	0.7 ± 0.9	0.0	2.0 ± 1.5	6.9 ± 5.6	3.5
Grand Total	190	8000	14,488.4	107	462						



Table 19. Total pounds of walleye and northern pike harvested per Bandmember within Lakes Mille Lacs and Vermilion, Minnesota, during spring 2020 harvest activities. Row Labels are Tribal License Numbers.

Row Labels	Sum of Number of Permits	Sum of Walleye Pounds	Sum of Northern Pike Pounds	TOTAL POUNDS
3068	2	333.2	23.4	356.6
3085	4	520.6	15.6	536.2
3091	2	251	4.2	255.2
3094	2	90	0	90
3104	2	278		278
3117	2	224.2	35.8	260
3123	2	235.8	2.4	238.2
3129	4	216.6	30.8	247.4
3173	3	371.2	0	371.2
3235	4	240.8	20.8	261.6
3252	2	110.8	0	110.8
3275	2	162	0	162
3297	6	277.8	0	277.8
3313	2	173.8	0	173.8
3366	6	228.4	43.8	272.2
3526	6	279.4	13.2	292.6
3588	4	312.4	15.8	328.2
3596	2	188	16.6	204.6
3597	2	100	0	100
3646	4	389.6	8	397.6
3672	2	197	19.6	216.6
3698	2	235.8	7.2	243
3700	4	402.4	8.6	411
3776	4	491.8	7.2	499
3807	2	125.2	13.4	138.6
3814	2	265.2	2.8	268
4069	1	93.6	0	93.6
4119	5	335.6	10.4	346
4153	4	256	3	259
4231	2	148.2	0	148.2
4240	2	241.8		241.8
4253	4	260.6	0	260.6
4294	4	474	2.2	476.2
4323	4	114.2	3.4	117.6
4365	6	304.4	0	304.4
4439	1	20.8	3.4	24.2
4445	2	214.6	5.6	220.2
4481	4	322	0	322
4533	2	127.6	19.8	147.4
4589	1	129.2	0	129.2
4611	2	281.4	9.8	291.2
4649	6	463.5	10.2	473.7



4701	2	175.8		175.8
4769	6	261.4	5.8	267.2
4866	6	458.6	10.4	469
4867	4	260.4	2.4	262.8
4886	2	129.6	0	129.6
4947	2	80	0	80
4956	3	166.4	4.6	171
4957	4	381.6	14.6	396.2
4963	2	100.2	0	100.2
5136	3	260.8	6.6	267.4
5558	2	141.6	0	141.6
5561	3	116.8	3.8	120.6
5691	1	114	4.2	118.2
5803	2	179	0	179
5804	2	17.5	0	17.5
5815	4	155.2	15.8	171
5898	2	148.8	4	152.8
6171	2	222.8	0	222.8
6432	4	191	14.8	205.8
6433	4	374.6	18	392.6
6555	1	63.8	0	63.8
Grand Total	190	14,488.4	462	14,950.4



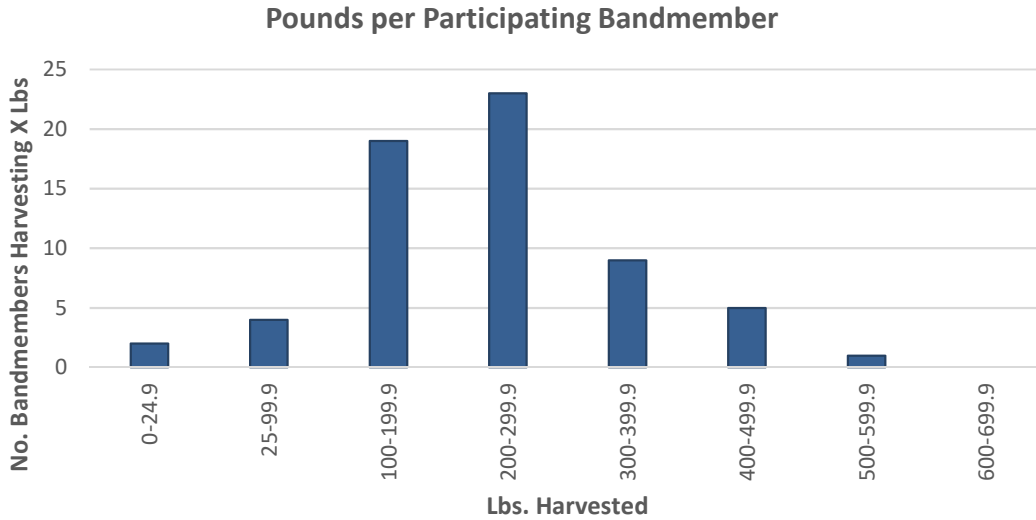


Figure 10. Pounds of walleye harvested per FDL Bandmember during the 2020 spring harvest season, and the number of individuals harvesting at each category.

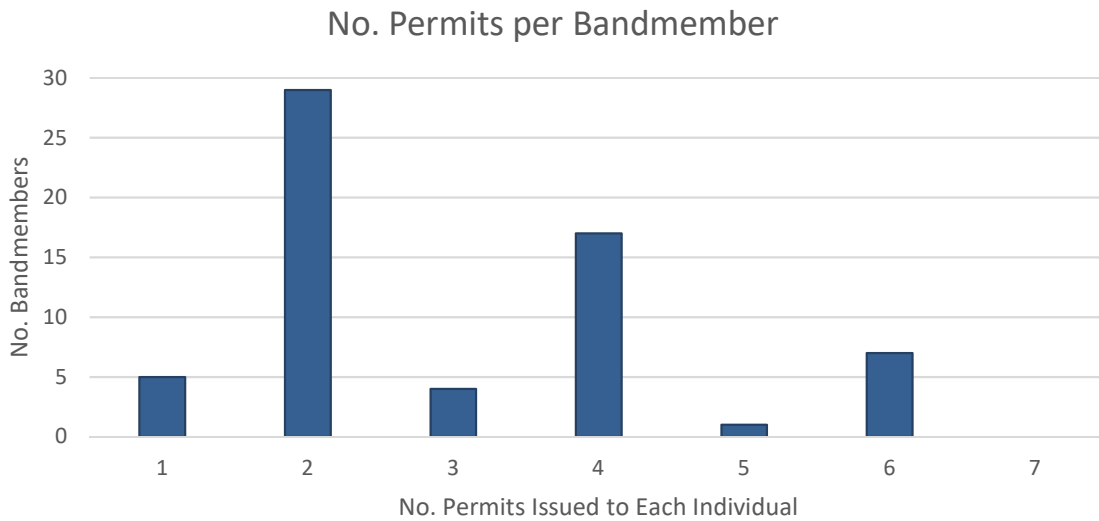


Figure 11. Number of permits claimed by individual Bandmembers during spring 2020 harvest activities in the 1837 & 1854 Ceded Territory lakes.

