



Open Water Spearing In 1837 & 1842 Ceded Territories by Ojibwe Indians During 2015

by

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**Administrative Report 17-10
December 2017**

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ABSTRACT

The year 2015 marked the thirty-first consecutive spring that spear fishing was conducted by Ojibwe tribes in off-reservation waters of northern Wisconsin. A total of 568 tribal members from six tribes participated in this traditional fishery. Spearing for walleye occurred on 187 lakes and walleye were harvested from all except 10 lakes. A total of 39,596 fish were taken with 97.3% of the catch (38,535 fish) being walleye. Numbers of other gamefish harvested were 183 muskellunge, 408 bass, 78 northern pike, and 2 lake sturgeon. Average lengths were 15.5 inches for walleye and 39.9 inches for muskellunge. Harvest of walleye and muskellunge stayed within the established limits except for three lakes totaling five walleye. During Spring 2015, fyke-netting and dip netting occurred in one river segment and on three lakes. After spring, gill-netting occurred in two lakes while spearing occurred in two lakes and on one river segment.

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INTRODUCTION

This report presents data for harvest and effort by Ojibwe harvesters in ceded territory waters of northern Wisconsin (Figure 1) during the 2015 open water season. The majority of harvest was taken through spearing during spring. Since 1989 spearing, gill-netting, fyke-netting and dip-netting have occasionally occurred after spring in off-reservation waters. After spring, spearing occurred in two lakes and one river segment on three different dates. During 2015 fyke-netting and dip-netting occurred in one river segment, while fyke-netting also occurred in three lakes during spring. Gill-netting occurred in two lakes after June 1.

REGULATIONS

Regulations governing the use of spears and nets for harvesting walleye and muskellunge were adopted by each of the six Wisconsin tribes and became permanent in 1989.

As part of the Stipulation Review Process, several changes to tribal regulations which had been agreed to annually as experiments were agreed to for a six (6) year period starting in 2011. The bag and permit limits for walleye in designated river segments were replaced with a nightly quota of 60 for a maximum of two days. Also, an additional eight river segments were listed as available for spearing plus additional gill-net mesh sizes on lakes 1,000 acres and larger were agreed to.

Several other regulatory changes were made as part of this process. A stretch of the Yellow River was designated for walleye harvest under the Yellow Lake walleye quota, and a stretch of the Totogatic River was opened for harvest under the Minong Flowage quota. The safety factors for walleye for one and two year old population estimates were adjusted to 41% and 33%, respectively. A list of lakes was identified where on-site monitoring was not required, i.e. alternative monitoring lakes.

PERMIT SYSTEM AND MONITORING

The permit system has operated in the same manner since 1988. Permits (Figure 2) were issued at a tribal office during the day or at the designated boat landing at night. The number of permits that could be issued was determined daily by dividing the remaining tribal quota (TQ) for a lake by the nightly bag limit selected for that lake. Lakes were closed to further spearing of walleye and to all netting once the walleye TQ was reached. However, spearing permits could be issued for harvest of other species.

All spearing was monitored by tribal creel clerks under the supervision of Great Lakes Indian Fish and Wildlife Commission (GLIFWC) wardens and biologists. Eighteen lakes on the alternate monitoring list were named, spearing occurred on ten of the lakes. A creel team was sent to monitor harvest on nine of the lakes, the remaining lake harvest was creeled at a different lake being monitored. A set of instructions for collecting biological data was provided to creel clerks at a training meeting prior to the spring season.

During spearing, teams of creel clerks and wardens were assigned to each lake in some areas and only to lakes where permits had been issued in other areas. These teams arrived at the designated boat landing before dark and completed a catch report form upon return of each boating party. For species other than walleye, all fish were identified, counted, sex determined, and measured. For walleye, all fish were counted. Also, the first 100 walleye plus all those in the last boat were measured and sex determined for each night. In addition, permits were collected and a record was made of each person's tribal ID number, the time spearing started and the time it ended.

Harvest and effort for each lake were totaled and reported by 9 a.m. the following day to administrative staff at the GLIFWC office in Odanah. These data were then transmitted to tribal and Wisconsin Department of Natural Resources (WDNR) representatives by 10 a.m. and used to update walleye and muskellunge TQ's. During 2015 all catch report forms were faxed or emailed in daily. Tribal representatives typically notified GLIFWC before noon of the lakes and bag limits selected for spearing that night. In turn, these data were transmitted to the WDNR.

Figure 1. Map depicting the ceded territory in northern Wisconsin. Heavy line indicates approximate ceded territory boundary.

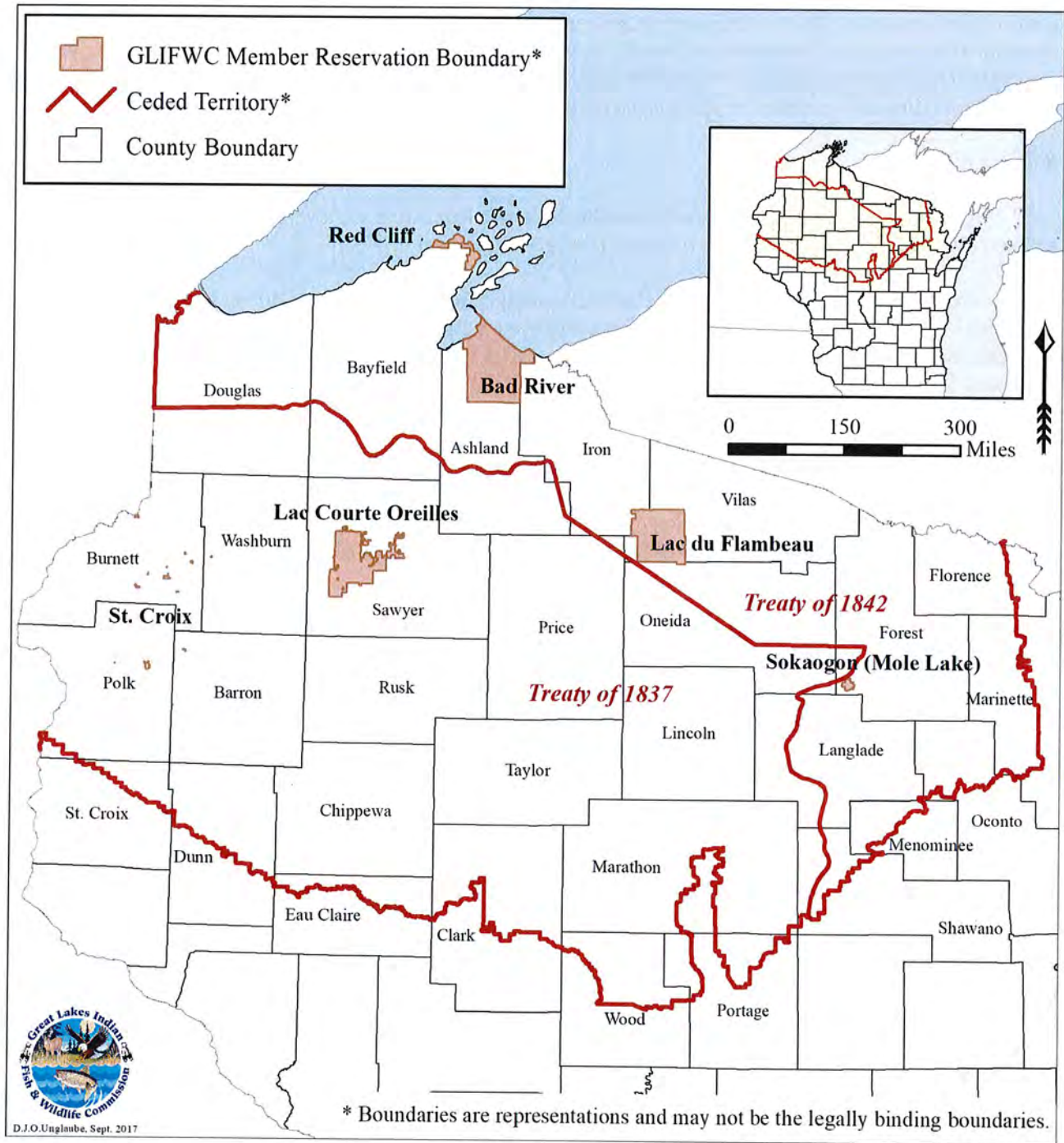


Figure 2. Off-Reservation Treaty Fishing Permit used during the 2015 open-water season.

28	29	30	31	Month _____	1	2	3	4	5
27	Off-Reservation Treaty Fishing Permit <input type="checkbox"/> Sparring <input type="checkbox"/> Fyke Netting No 0250 <input type="checkbox"/> Seining <input type="checkbox"/> Gill Netting								6
26	Tribal ID Number _____ of _____ Reservation								7
25	Signature of Permittee: _____								8
24	Issued by: _____ of _____ Reservation								9
23	Water: _____ County: _____								10
22	Bag Limit: Walleye _____ Muskellunge _____								11
21	Other Restrictions: _____								12
20	19	18	17	16	15	14	13	12	12

FRONT

Start Time: _____ (am or pm)			Net Length: _____		
End Time: _____ (am or pm)			Mesh: _____		
Species	Count	Weight (lbs)	Species	Length (in.)	Sex
Walleye	_____	_____	_____	_____	_____
Northern Pike	_____	_____	_____	_____	_____
Yellow Perch	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
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BACK

RESULTS AND DISCUSSION

Fishing Effort

As in previous years, effort in the spring spear fishery was measured in three ways: by the number of spearkers, the number of spearker-nights, and the number of boat-hours.

Number of Spearkers. All tribal members spearing under permits issued by each tribe were counted as an individual spearker for that tribe regardless of whether the spearker was an enrolled member of the tribe issuing permits. A total of 568 tribal members participated in the 2015 spring spear fishery (Table 1, Figure 3, Appendix A). Compared to 2014, the total number of spearkers increased by 42 persons or 8%.

Table 1. Number of spearkers on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1999-2015¹.

YEAR	BRV	LCO	LDF	MLK	RCF	STC ^{2,3}	TOTAL:
1999	44	61	148	66	52	57	428
2000	44	78	151	61	57	50	441
2001	36	67	139	71	55	41	409
2002	34	56	150	63	54	62	419
2003	30	53	154	62	46	54	399
2004	25	56	158	65	53	48	405
2005	41	69	146	117	59	51	483
2006	35	82	165	58	58	67	465
2007	40	93	157	68	68	63	489
2008	36	72	142	76	54	47	427
2009	42	99	125	126	55	45	492
2010	36	89	91	150	49	55	470
2011	41	98	140	69	45	70	463
2012	46	107	185	60	49	60	507
2013	42	82	172	52	29	55	432
2014	71	106	167	71	56	55	526
2015	70	116	186	69	71	56	568
PERCENT CHANGE: 2014-2015	-1%	+9%	+11%	-3%	+27%	+2%	+8%

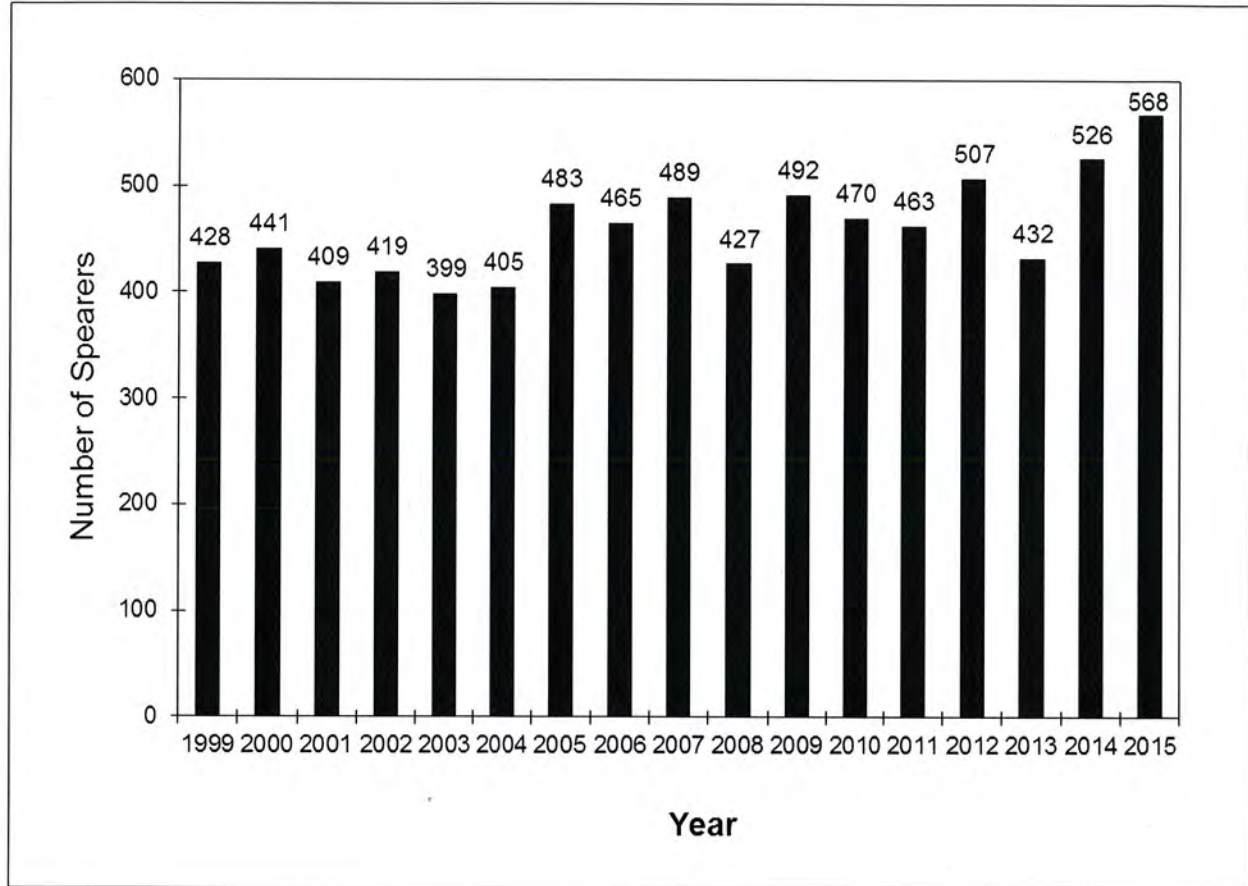
¹ Abbreviations for the various bands are: BRV = Bad River, LCO = Lac Courtes Oreilles, LDF = Lac du Flambeau, MLK = Mole Lake, RCF = Red Cliff, and STC = St. Croix.

² Includes members from the Mille Lacs tribe for 1997-2004 and 2012.

³ Includes members from the Fond du Lac tribe for 2014

All persons spearing on lakes selected by Red Cliff were members of that tribe. The number of members from other tribes that speared on lakes selected by Bad River was 2, by Lac Courte Oreilles were 7, by Lac du Flambeau was 1, by Mole Lake was 1 and by St. Croix were 4 (Table 1).

Figure 3. Number of spearkers during spring spearing seasons from 1999-2015.



Number of Spearer-nights or Permits Used. In a previous report (Kmiecik 1991), special clarification was given to the definition of "spearer-nights". It should be understood that the total number of "spearer-nights" is not simply the total number of nights that all tribal members speared, because some individuals speared under more than one permit on a single night. Additional permits have been issued at night at a boat landing on a "first come, first served" basis and only when enough fish remained in the tribal quota for a lake so that other permits could be issued. Persons receiving a second, third, or fourth permit may have speared on the same lake, a different lake, or both the same and a different lake. With this clarification in mind, this effort statistic will continue to be referred to as spearer-nights, but it can also be viewed as a count of the total number of permits used.

Table 2. Number of spearer-nights on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1999-2015.

YEAR	BRV ¹	LCO ²	LDF ³	MLK ⁴	RCF	STC ⁵	TOTAL:
1999	136	282	609	253	131	212	1,623
2000	178	388	774	285	186	295	2,106
2001	105	216	537	214	143	201	1,416
2002	155	196	605	271	152	362	1,741
2003	122	234	517	214	116	317	1,520
2004	127	157	594	259	149	346	1,632
2005	130	283	551	383	161	294	1,802
2006	129	266	697	265	195	286	1,838
2007	143	294	722	303	175	382	2,019
2008	93	229	531	276	157	275	1,561
2009	123	278	540	439	157	271	1,808
2010	136	325	366	606	178	375	1,986
2011	104	314	716	284	142	332	1,892
2012	147	389	1,100	329	155	309	2,429
2013	126	271	795	223	69	238	1,722
2014	193	332	746	315	126	228	1,940
2015	175	377	1,022	324	171	287	2,356
PERCENT CHANGE: 2014-2015	-9%	+14%	+37%	+3%	+36%	+26%	+21%

¹ Includes 4 spearer-nights for two MLK members.

² Includes 22 spearer-nights for five BRV members and two RCF members.

³ Includes 1 spearer-night for one BRV member.

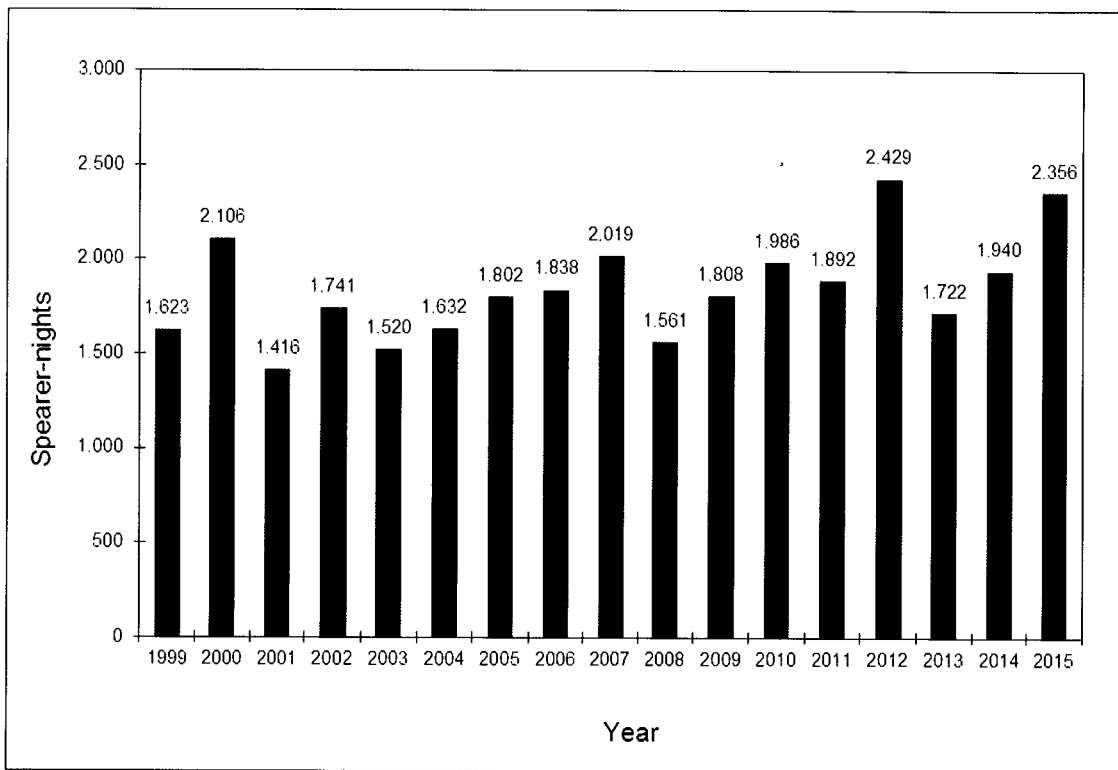
⁴ Includes 13 spearer-nights for one RCF member.

⁵ Includes 12 spearer-nights for one BRV member, two LCO members, one RCF member, and spearer-nights for Mille Lacs tribe for 1997-2004 and 2012 and FDL tribe for 2014.

Excluding permits issued for muskellunge only spearing, a total of 2,356 spearer-nights were recorded during spring 2015 (Table 2, Figure 4, Appendix B). A little less than one-half of this effort (1,022 spearer-nights) occurred on lakes selected by Lac du Flambeau. Spearer-nights on lakes selected by the other five tribes ranged from 171 at Red Cliff to 377 at Lac Courte Oreilles. Compared to 2014, effort increased by 416 spearer-nights or 21%.

On thirteen muskellunge harvest only waters, an additional 48 spearer-nights occurred (Appendix E). Muskellunge only spearer-nights included permits issued for spearing on lakes with only a muskellunge quota (i.e. no walleye quota) and on lakes with both a walleye and muskellunge quota but after the walleye quota was taken and only the muskellunge quota remained.

Figure 4. Number of spearer-nights during spring spearing seasons from 1999-2015.



Number of Boat-Hours. Excluding muskellunge only effort, an estimated 2,619 boat-hours of effort occurred in 2015 (Table 3, Figure 5, Appendix B). Compared to 2014, the number of boat-hours increased by 25% (528 boat-hours). Over one-third of the effort (955 boat-hours) occurred on lakes selected by Lac du Flambeau. Boat-hours on lakes selected by the other five tribes ranged from 190 at Red Cliff to 510 at Lac Courte Oreilles.

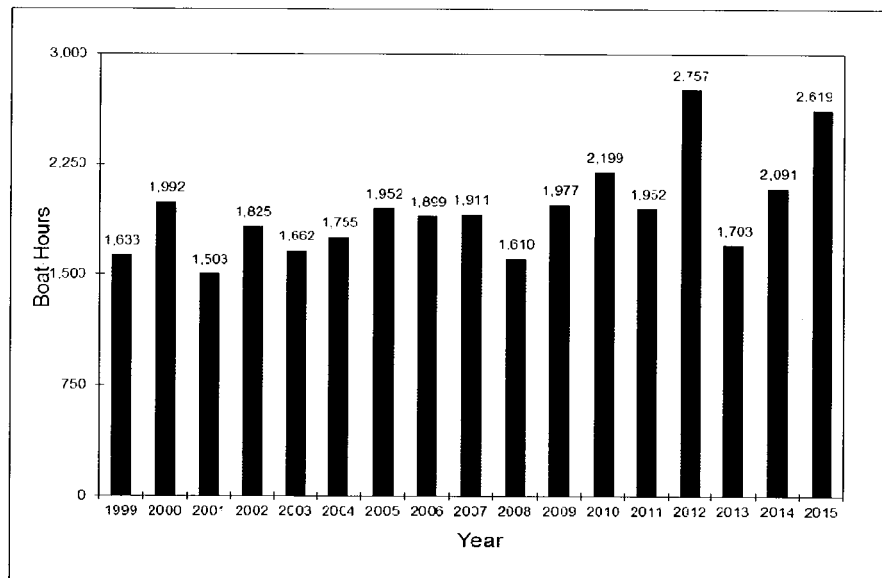
On muskellunge harvest only waters, an additional 62 boat-hours of effort occurred (Appendix E). This muskellunge only effort included spearing on four lakes with only a muskellunge quota (i.e. no walleye quota) and spearing on nine lakes with both a walleye and muskellunge quota but after the walleye quota was taken and only the muskellunge quota remained.

Table 3. Number of spearer boat-hours on lakes selected by six Wisconsin Chippewa bands during Spring spearing from 1999-2015.

Year	BRV	LCO	LDF	MLK	RCF	STC ¹	Total:
1999	189	368	513	225	128	210	1,633
2000	226	427	570	202	201	366	1,992
2001	157	273	458	214	171	230	1,503
2002	181	233	489	325	203	395	1,825
2003	152	245	523	268	142	331	1,662
2004	162	203	571	276	167	375	1,755
2005	148	411	518	401	161	313	1,952
2006	155	393	529	300	215	307	1,899
2007	171	322	566	311	182	359	1,911
2008	97	304	520	264	159	267	1,610
2009	128	413	489	430	195	322	1,977
2010	178	514	344	554	215	394	2,199
2011	125	398	681	267	141	340	1,952
2012	206	581	1,127	357	159	327	2,757
2013	180	350	674	189	81	230	1,703
2014	280	413	774	278	132	214	2,091
2015	284	510	955	330	190	350	2,619
PERCENT CHANGE: 2014-2015	+1%	+23%	+23%	+19%	+44%	+64%	+25%

¹Includes effort for Mille Lacs tribe from 1997-2004 and 2012, plus effort for Fond du Lacs tribe in 2014.

Figure 5. Number of boat-hours of effort during spring spearing seasons from 1999-2015.



For all tribes combined, a total of 1,073 interviews were conducted and effort (boat-hours) was determined for all (Table 4, Appendix B). Average length of a trip was 2.4 boat-hours. For muskellunge only lakes an additional 23 interviews were recorded (Appendix E).

Table 4. Number of interviews and average length of spearing trip (in boat-hours) during spring spearing from 1999-2015.

YEAR	AVERAGE LENGTH OF TRIP:						TOTAL
	BRV	LCO	LDF	MLK	RCF	STC ¹	
1999	3.2	2.7	2.0	2.0	2.2	2.2	2.3
2000	2.8	2.1	1.8	1.5	2.6	2.5	2.1
2001	2.7	2.6	2.2	2.4	2.8	2.5	2.4
2002	2.2	2.4	2.0	2.5	2.9	2.4	2.3
2003	2.6	2.4	2.6	2.7	2.7	2.3	2.5
2004	2.3	2.6	2.4	2.3	2.4	2.3	2.4
2005	2.3	2.9	2.2	2.4	2.3	2.4	2.4
2006	2.3	3.1	1.8	2.4	2.6	2.1	2.3
2007	2.0	2.3	1.8	2.2	2.6	2.0	2.0
2008	1.9	2.7	2.0	2.1	2.5	1.9	2.1
2009	2.4	3.3	2.0	2.3	2.8	2.5	2.5
2010	3.0	3.4	2.0	2.2	2.7	2.2	2.4
2011	2.7	2.8	2.2	2.5	2.5	2.1	2.4
2012	3.0	3.1	2.3	2.2	2.3	2.2	2.4
2013	3.3	2.7	1.9	1.9	2.3	2.1	2.2
2014	3.2	2.7	2.3	2.1	2.6	2.1	2.4
2015	3.7	3.1	2.2	2.2	2.5	2.0	2.4
2015 Boat-hours:	284	510	955	330	190	350	2,619
2015 interviews with effort:	76	165	430	152	75	175	1,073

¹Includes effort for Mille Lacs and Fond du Lac tribes in some years.

Total Harvest

Fourteen taxa of fish were harvested during the 2015 spring spear fishery (Table 5). Of the 39,596 fish taken 97.3% were walleye. Percentages of the total catch for other game fish species were 0.46% for muskellunge, 1.01% for bass, 0.20% for northern pike, and 0.005% for sturgeon. Other species combined (panfish and rough fish) totaled 398 fish and made up the remaining 0.98% of the harvest.

Table 5. Number of various fish species harvested during spring spearing seasons from 2008-2015.

Species:	2008	2009	2010	2011	2012	2013	2014	2015
Walleye	27,881	32,201	34,156	29,730	32,311	28,386	27,561	38,535
Muskellunge	270	238	335	201	343	274	248	183
Bass Species	3	9	23	8	35	35	6	13
Largemouth Bass	109	195	237	82	211	116	138	323
Smallmouth Bass	52	58	113	22	108	55	57	72
Northern Pike	23	49	50	30	71	39	50	78
Rock Bass	2	18	18	5	18	7	11	9
Crappie	83	110	217	151	212	137	63	274
Sunfish (Bluegill, Pumpkinseed)	12	10	72	31	261	54	33	30
Yellow Perch	3	20	1,088	7	3	8	15	7
Sucker	10	19	51	42	52	84	52	62
Cisco	0	3	25	0	0	2	2	0
Carp	0	0	3	1	0	0	0	0
Bowfin	0	14	7	3	13	0	2	2
Burbot	0	2	0	0	11	0	0	0
Bullhead	1	0	232	1	5	3	3	1
Sturgeon	1	1	3	2	4	1	1	2
Trout	0	0	1	0	0	0	0	0
Whitefish	0	0	0	1	16	0	0	5
TOTAL:	28,450	32,947	36,631	30,317	33,674	29,201	28,242	39,596

Walleye Harvest

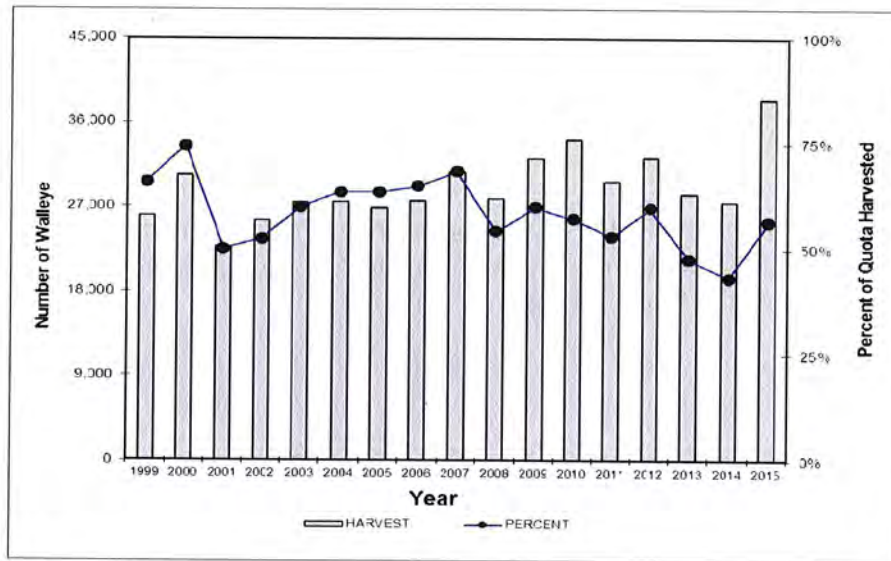
Tribal quotas (TQ) for walleye were selected for 542 lakes and totaled 68,263 walleye (Table 6). The percent of the "safe harvest" selected as tribal quotas for lakes in 2015 ranged from 0.0% (Minocqua Lake, Kawaugesaga Lake, Tomahawk L Chain in Oneida County and Escanaba Lake, Vilas County) to 94.99% (Trout Lake in Vilas County). Two tribes selected the same lake in 11 instances and agreed on various inter-tribal allocation formulas to keep the TQ within the selected percentage. Three lakes were selected by more than two Wisconsin tribes.

Tribal spearers harvested a total of 38,535 walleye from 177 lakes (Table 6, Figure 6, Appendix B). Spearfishing occurred in ten other lakes with a walleye quota (Dunham Lake in Burnett County, Amnicon Lake and Lake Minnesuing in Douglas County, Range Line Lake in Forest County, Evergreen Lake and Tigercat Flowage in Sawyer County and Bass Lake, Birch Lake, Dunn Lake, and Minong Flowage in Washburn County), but no walleye were harvested. The percent of the total tribal walleye quota harvested was 56%. Tribal quotas were exceeded on three lakes by a total of five walleye during spring.

Table 6. Number of lakes with a tribal walleye quota, spearfishing effort, and harvest plus percent of overall quota harvested during spring from 1999-2015.

Year	Tribal Walleye Quota	Number of Lakes with Quotas	Number of Walleye Harvested	Number of Lakes with Effort	Number of Lakes with Harvest	Percent of Quota Harvested
1999	39,586	204	26,105	155	151	66%
2000	40,762	253	30,367	173	171	74%
2001	45,321	275	22,743	149	147	50%
2002	48,628	283	25,543	159	153	53%
2003	45,776	281	27,502	166	163	60%
2004	43,315	288	27,546	179	176	64%
2005	43,692	293	26,877	173	172	62%
2006	42,513	285	27,627	177	174	65%
2007	44,813	282	30,700	192	191	69%
2008	51,354	415	27,881	175	172	54%
2009	53,706	420	32,201	181	179	60%
2010	59,659	532	34,156	153	150	57%
2011	55,952	578	29,730	174	168	53%
2012	54,057	539	32,311	195	185	60%
2013	59,441	540	28,386	176	163	48%
2014	63,570	540	27,561	177	160	43%
2015	68,263	542	38,535	187	177	56%

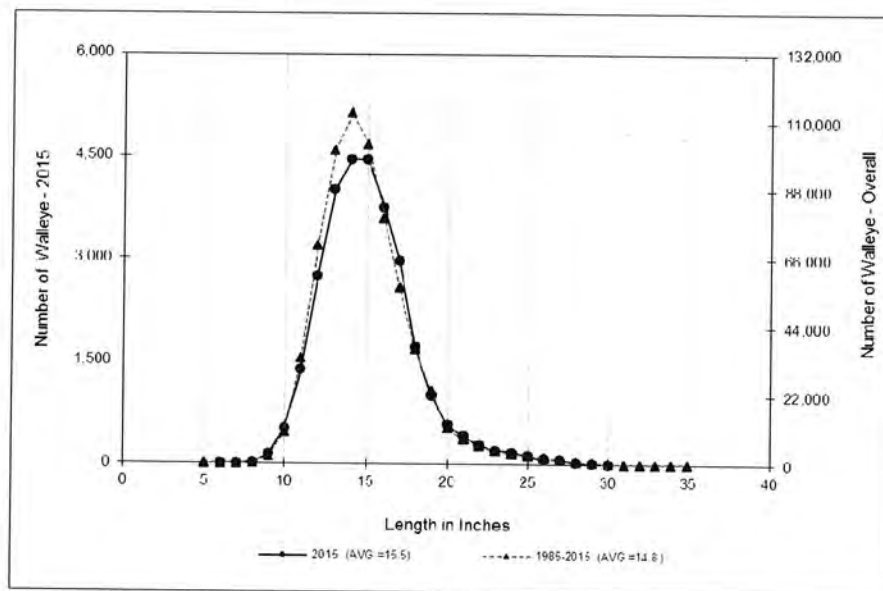
Figure 6. Number of walleye and percent of quota harvested during spring spearing seasons from 1999-2015.



Mean Length. A total of 29,027 walleye (75% of the catch) were measured in 2015 (Appendices C and D). The mean length was 15.5 inches, which is within the average length range from 1985-2015 (range: 15.0-16.3 inches). Size restrictions were identical during each of these thirty-one years; all walleye were to be less than 20 inches except that each permit authorized the harvest of one walleye of 20-24 inches and one of any size.

For the 31 spring spearing seasons combined, 84% of the walleye harvest has been measured (669,290 of 798,620 fish) (Figure 7; Appendix D). Average length for this 31-year sample was 15.4 inches. Also, 6.0% of the walleye (39,984 fish) were 20 inches or larger and 1.1% (7,503 fish) were 25 inches or larger.

Figure 7. Length frequency of walleye speared during 2015 and during the thirty-one year period from 1985-2015.



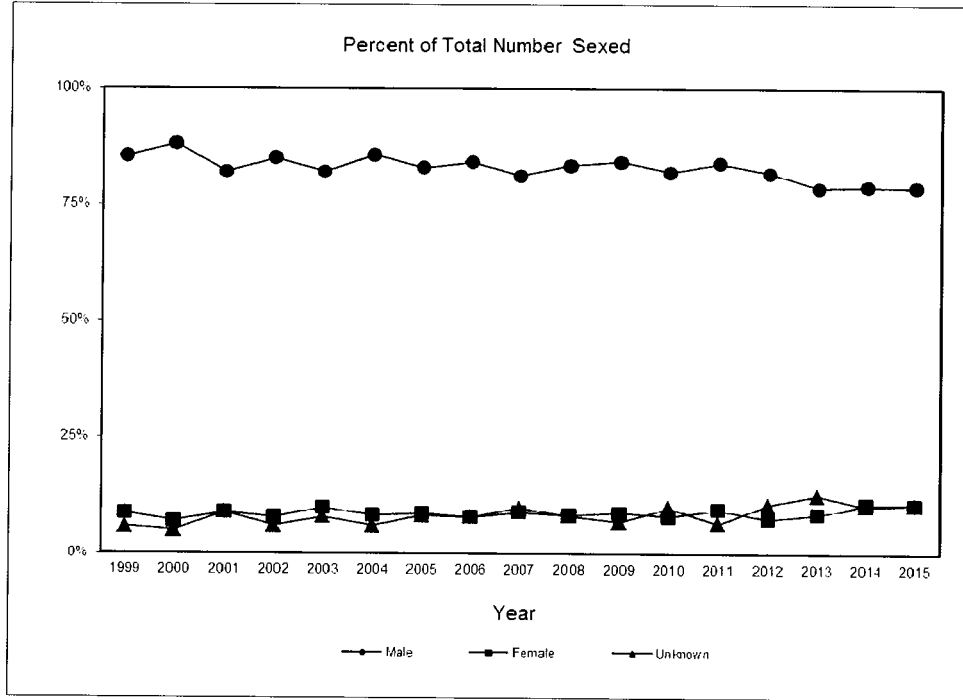
Sex Composition of Catch. The majority of walleye sexed in 2015 were male: 22,822 of 29,012 fish or 78.7% (Table 7, Appendix C). Females (3,104 fish) comprised 10.7% of the sexed harvest and those whose sex could not be determined (3,086 fish) made up 10.6%. Males made up 88% of sexable fish.

For the past 17 spring spearing seasons combined a total of 424,413 walleye have been sexed (Table 7, Figure 8). Of these, 82.8% were male, 8.8% were female, and 8.4% were of undetermined or unknown sex. Factors which influence the number of males and females speared were described by Kmiecik and Shively (1990). Some of the factors include bag limit and size restrictions, differences in behavior between the sexes during spawning season, and spearer preference.

Table 7. Number and percent of male, female, and unknown walleye that were sexed during spring spearing seasons from 1999-2015.

Year	Total Harvest	Male		Female		Unknown		Total Sexed:	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
1999	26,105	20,156	85%	2,076	9%	1,384	6%	23,616	90%
2000	30,367	24,422	88%	1,974	7%	1,477	5%	27,873	92%
2001	22,743	17,402	82%	2,005	9%	1,854	9%	21,261	93%
2002	25,543	19,624	86%	1,889	8%	1,436	6%	22,949	90%
2003	27,502	20,371	82%	2,474	10%	2,006	8%	24,851	90%
2004	27,546	21,226	86%	2,060	8%	1,495	6%	24,781	90%
2005	26,877	20,255	83%	2,143	9%	2,011	8%	24,409	91%
2006	27,627	20,667	84%	1,958	8%	1,944	8%	24,569	89%
2007	30,700	21,722	81%	2,390	9%	2,640	10%	26,752	87%
2008	27,881	20,324	83%	2,045	8%	1,987	8%	24,356	87%
2009	32,201	22,569	84%	2,371	9%	1,846	7%	26,786	83%
2010	34,156	24,604	82%	2,413	8%	2,988	10%	30,005	88%
2011	29,730	19,231	84%	2,182	10%	1,506	6%	22,919	77%
2012	32,311	21,888	81.8%	2,022	7.6%	2,847	10.6%	26,757	83%
2013	28,386	17,398	78.7%	1,905	8.6%	2,819	12.7%	22,122	78%
2014	27,561	16,877	78.9%	2,310	10.8%	2,212	10.3%	21,399	78%
2015	38,535	22,822	78.7%	3,104	10.7%	3,086	10.6%	29,012	75%
Total:	495,771	351,558	83%	37,321	9%	35,538	8%	424,413	86%

Figure 8. Sex composition of the walleye harvest during spring spearing seasons from 1999-2015.



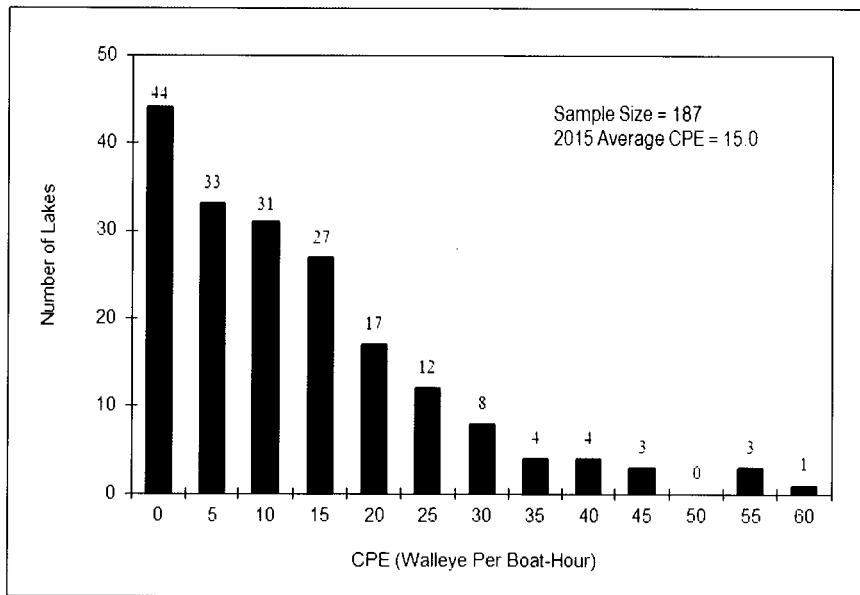
Catch per effort (CPE). In 2015, a total of 2,619 boat-hours of spearing were recorded in which 38,535 walleye were caught. Overall catch per effort (total harvest/total boat-hours) was 14.7 walleye per boat-hour (Appendix B).

Catch rates for the 187 lakes with a walleye quota that were speared in 2015 ranged from 0.0 to 60.0. Catch per effort averaged over individual lakes was 15.0 walleye per boat-hour (Appendix B, Table 8, Figure 9). Boat-hour effort was completely recorded for all lakes in spring 2015.

Table 8. Range and average catch rates in lakes speared during spring spearing seasons from 1999-2015.

Year	Number of Lakes	Range: CPE	Average: CPE
1999	155	0.0 - 74.0	18.0
2000	173	0.0 - 101.1	16.8
2001	149	0.0 - 95.4	17.5
2002	159	0.0 - 65.8	16.3
2003	166	0.0 - 77.5	18.5
2004	169	0.0 - 57.1	16.9
2005	173	0.0 - 70.0	15.0
2006	177	0.0 - 57.3	16.7
2007	192	0.0 - 60.9	16.8
2008	175	0.0 - 81.4	17.8
2009	181	0.0 - 62.5	17.2
2010	153	0.0 - 50.6	16.2
2011	174	0.0 - 73.3	16.3
2012	195	0.0 - 55.4	13.3
2013	176	0.0 - 94.3	17.9
2014	177	0.0 - 65.0	12.2
2015	187	0.0 - 60.0	15.0

Figure 9. Walleye CPE (number per boat-hour) by lake during the 2015 spring spearing season.



Muskellunge Harvest

A total of 183 muskellunge were taken from 67 lakes during spring 2015 (Table 9, Figure 10, Appendix E). Overall 9.4% of the combined tribal muskellunge quota of 1,944 fish selected for 355 lakes was harvested.

Table 9. Number of lakes with tribal muskellunge quota, harvest, and percent of overall quota harvested from 1999-2015.

Year	Tribal Muskellunge Quota	Number of Lakes with Quota	Number of Lakes with Harvest	Number Harvested	Percent of Quota Harvested
1999	1,431	169	63	275	19.2%
2000	1,410	169	59	325	23.1%
2001	1,580	198	61	233	14.7%
2002	1,555	206	52	218	14.0%
2003	1,522	203	65	222	14.6%
2004	1,509	206	69	207	13.7%
2005	1,733	209	65	230	13.3%
2006	1,655	203	69	284	17.2%
2007	1,703	201	73	303	17.8%
2008	2,080	249	62	270	13.0%
2009	2,051	249	60	238	11.6%
2010	2,323	335	77	335	14.4%
2011	2,325	369	56	201	8.6%
2012	2,180	350	90	343	15.7%
2013	1,834	343	78	274	14.7%
2014	1,799	349	73	248	13.8%
2015	1,944	355	67	183	9.4%

For the 67 lakes with a muskellunge quota and with harvest the number of muskellunge harvested ranged from 1 to 9 fish (Appendix E). Between six to nine muskellunge were taken from 8 lakes, and 1-5 fish were speared in 59 lakes. No muskellunge were speared from the other 288 lakes.

Lengths of the 183 measured muskellunge averaged 39.9 inches and ranged from 28 to 50 inches (Appendix F, Figure 11). During the past thirty-one spring seasons combined, 7,259 of 7,309 speared muskellunge have been measured. Average length for this sample of fish was 37.9 inches (range of annual averages: 35.4-39.5 inches).

Of the measured catch in 2015, 5.5% (10 of 183 muskellunge) were 32 inches and smaller, while 18% (33 fish) were 45 inches and larger. For the 7,259 muskellunge measured from 1985-2015, 1,018 fish or 14.0% of the sample were less than or equal to 32 inches; 703 fish or 9.7% were 45 inches and larger (Appendix F).

The number of muskellunge per spearer averaged 0.32 for all tribes combined (Appendix A, Appendix E). In other words, 32 muskellunge were taken for every 100 spearers.

Figure 10. Number of muskellunge harvested during spring spearing seasons from 1999-2015.

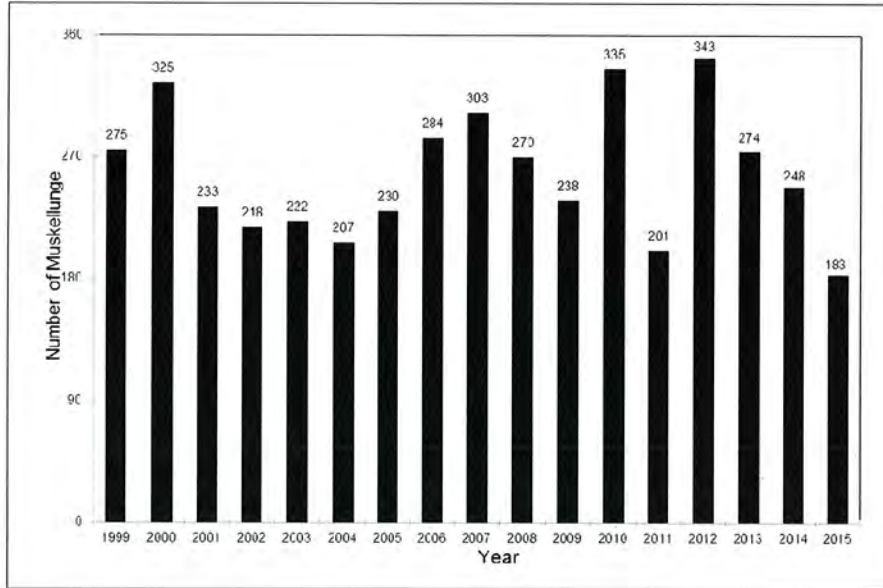
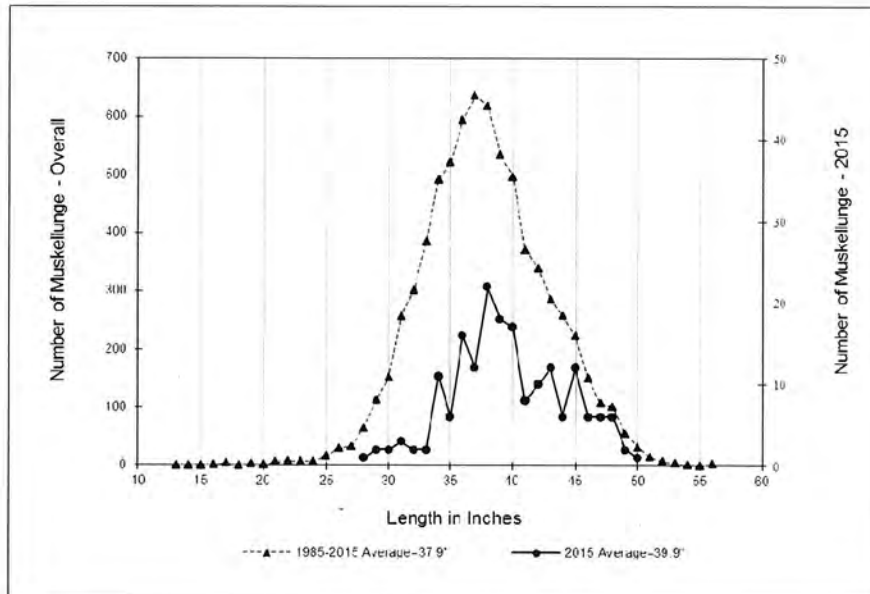


Figure 11. Length-frequency of muskellunge speared during spring 2015 and during the thirty-one year period 1985-2015.



Bass Harvest

A total of 408 bass were harvested from 45 lakes in 12 counties (Appendix G, Figure 12). Species was recorded for 395 harvested bass. A total of 323 largemouth bass were taken from 30 lakes in 9 counties and averaged 14.7 inches. Ten or more largemouth were speared from 8 lakes, and 5 or less were taken from 16 lakes. The number harvested per surface acre of water averaged 0.0114 largemouth bass (range: 0.0003-0.0570).

A total of 72 smallmouth bass were speared from 25 lakes in 10 counties. Average length was 15.9 inches. Between six to nine fish were harvested from 5 lakes, and 5 or less fish were taken from 20 lakes. The number harvested per surface acre averaged 0.0062 smallmouth bass (range: 0.0001-0.0455).

A total of 13 unidentified bass were speared from 6 lakes in 5 counties. Average length was 17.1 inches. The number harvested per surface acre averaged 0.0089 bass (range: 0.0003-0.0370).

Lengths of the 392 measured bass ranged from 10.0-21.5 inches and averaged 15.0 inches (Figure 13, Appendix H). Of the 6,022 bass speared during the thirty-one spearing seasons combined, 5,778 have been measured. Average length for this sample was 15.6 inches (range of annual averages: 15.0-16.4 inches). For all tribes combined the number of bass per spearer (CPE) was 0.72.

Figure 12. Number of bass harvested during spring spearing seasons from 1999-2015.

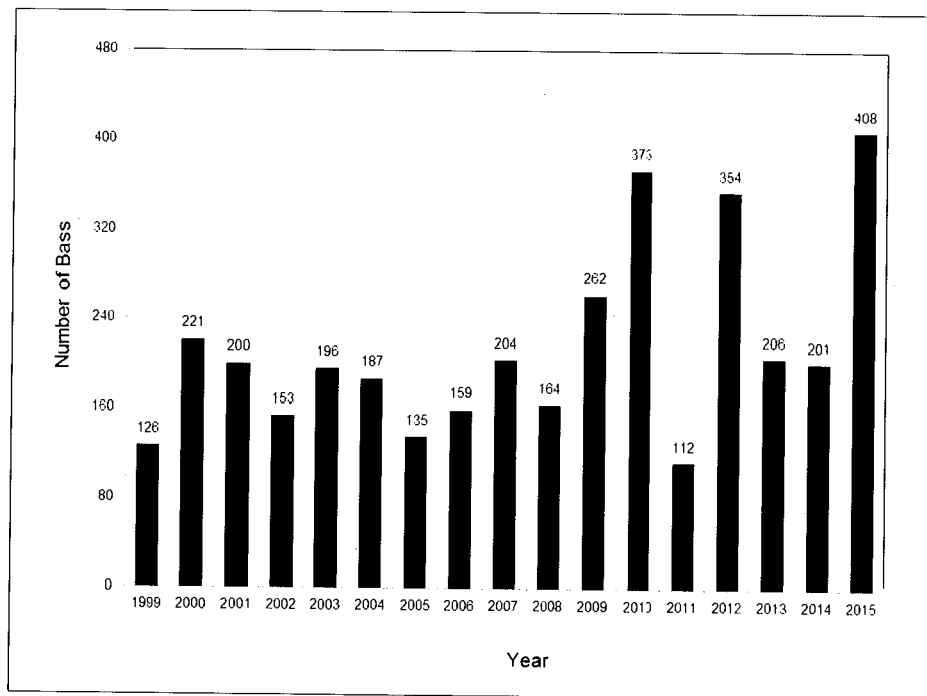
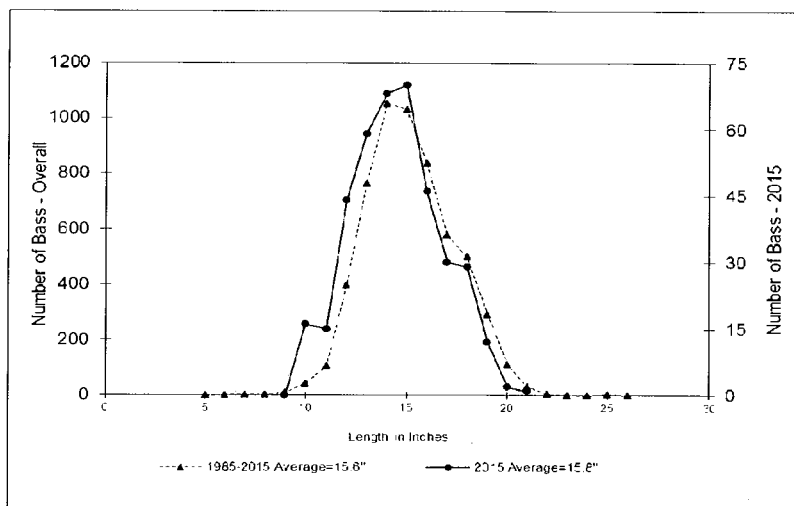


Figure 13. Length-frequency for bass taken during 2015 and during the thirty-one year period 1985-2015.



Northern Pike Harvest

A total of 78 northern pike were harvested from 39 lakes in 12 counties (Appendix G, Figure 14). Six or more fish were taken from 2 lakes, 5 or less fish were taken from 37 lakes. Catch per surface acre of water averaged 0.0028 (range: 0.0002-0.0160).

Lengths of the 78 measured northern pike ranged from 16.8 to 38.4 inches and averaged 27.7 inches (Appendix I, Figure 15). During the thirty-one spring seasons combined a total of 1,130 northern pike have been speared (Appendix I). Of these, 1,046 were measured and length averaged 27.3 inches. Harvest of northern pike continues to be incidental and an insignificant component of the fishery.

Figure 14. Number of northern pike harvested during spring spearing seasons from 1999-2015.

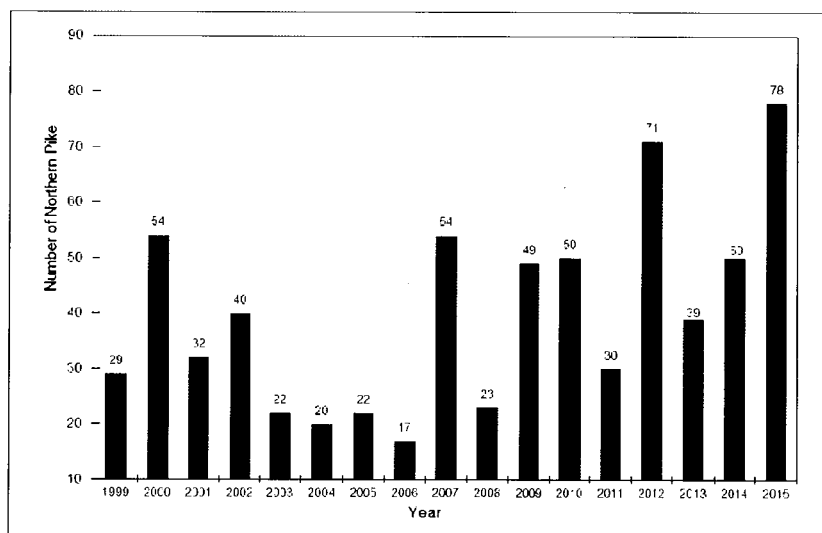
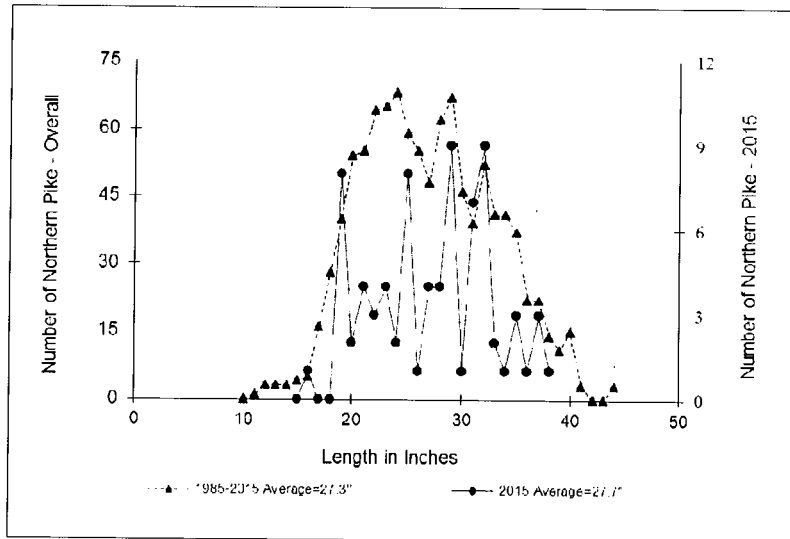


Figure 15. Length frequency of northern pike speared during 2015 and during the thirty-one year period from 1985-2015.



Sturgeon Harvest

Two sturgeons were speared from Yellow Lake (Burnett County); one on April 12, 2015 by a STC member and one on April 30, 2015 also by a STC member. Lengths of the unknown sexed sturgeons were 62.4 inches and 47.9 inches.

Fyke and Dip Netting

During spring 2015, fyke netting occurred in four waters and a total of 63 fish were harvested (Table 10). A single fyke net fished for one night on River Segment 23- Wolf River (Langlade County) with no harvest. Also, a single dip net fished for 2 nights on River Segment 23- Wolf River (Oneida County) with a total of 3 fish being harvested (Table 10).

Gill Netting

After June 1, 2015 gill nets were set in two lakes on four different dates (Table 11). A total of 150 fish were harvested including 44 walleye and 2 muskellunge.

Fall Spearing

During fall 2015, spearing occurred in two lakes and in one river segment on three different dates (Table 10). A total of 4 walleye, 4 muskellunge, 1 smallmouth bass and 1 sturgeon were harvested.

Table 10. Effort and harvest during spring netting and fall spearing in 2015.

Netting								Fall Spearing		
Date	April 3, 2015	April 4, 2015	April 5, 2015	April 9, 2015	April 9, 2015	April 11, 2015	April 30, 2015	September 17, 2015	October 10, 2015	November 10, 2015
Tribe	STC	STC	STC	LDF	LDF	MLK	LDF	LDF	LDF	STC
Waterbody	Yellow Lake	Upper Clam Lake	Upper Clam Lake	River Seg. 23 Wolf River	River Seg. 23 Wolf River	River Seg. 23 Wolf River	Turtle-Flambeau Flowage	Big Arbor Vitae	Ballard Lake	River Seg. 13 St. Croix River
County	Burnett	Burnett	Burnett	Langlade	Langlade	Langlade	Iron	Vilas	Vilas	Douglas
Method	Fyke net	Fyke net	Fyke net	Dip net	Fyke net	Dip net	Fyke net	Spear	Spear	Spear
Effort	One net	One net	One net	One net	One net	One net	One net	1.5 hr.	3.42 hr.	4.6 hr.
Number of members	1	1	1	2	1	2	1	1	2	2
Quota	952			60/ day	60/ day	60/day	190	No quota	61	60/day
Walleye							1		4	
Quota Balance							189		57	
Muskellunge								1	3	
Crappie		6	4			2				
Bluegill		16	15							
Yellow Perch		2	11			1				
Sturgeon										1
Northern Pike			3				1			
Smallmouth Bass									1	
Largemouth Bass		1								
Catfish			1							
Rockbass		1								
Pumpkinseed		2								

Table 11. Netting effort and harvest after June 1, 2015.

Gill Net harvest After Spring												
Date	November 10, 2015		November 11, 2015		January 16, 2016		January 23, 2016		March 18, 2016	March 19, 2016	March 20, 2016	March 21, 2016
Tribe	STC		STC		MLK		MLK		STC	STC	STC	STC
Lake	Yellow		Yellow		Twin Chain		Twin Chain		Upper Clam	Upper Clam	Upper Clam	Upper Clam
County	Burnett		Burnett		Vilas		Vilas		Burnett	Burnett	Burnett	Burnett
# of Nets (Permits)	2		4		No effort		1		1	1	1	1
Net Type	Gill		Gill		Gill		Gill		Fyke	Fyke	Fyke	Fyke
Net Length	100'/net		100'/net		100'/net		100'/net		-	-	-	-
Net Mesh Size	3.0	3.5	3.0	3.5	3.0	3.5	3.0	3.5	-	-	-	-
Number of members	1		2		0		1		1	1	1	1
Walleye Declaration Balance*	893	679	879	665	26	20	26	20				
Walleye Harvest	14		29		No effort		1		0	1	0	2
Adjusted Declaration Balance	879	665	850	636	*	*	25	19				
Muskellunge Quota	15		13				25					
Muskellunge Harvest	2		0				0					
Quota Balance	13		13				25					
Northern Pike	9		9							2	5	
Crappie	25		37						2	2	1	34
Bluegill			7									5
Rock Bass			1									
Largemouth Bass									1			
Bullhead	2		14									
Carp											1	
Sucker												21

*Walleye declaration balance after spring spearing - Both 3.0" and 3.5" mesh could be used in Yellow Lake and Twin Chain, but the declaration balance would be reduced if 3.5" mesh were used.

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ACKNOWLEDGMENTS

The author extends a "Miigwech" to the following workers who assisted with monitoring the fishery (either as creel clerk or seasonal warden) or who issued permits and helped to update and compile harvest data each day:

Bad River (BRV) – Duane M. Soulier, Jacob A. Deragon, Jeffery C. McRoy Sr., Jody W. Bressette, Sydney T. Bressette, Benjamin R. Basley, John A. Wilmer Jr., Louis A. Plucinski

Lac Courte Oreilles (LCO) –Anthony J. Price Sr., Bahe F. Begay, Charlie J. Braeger, Cody K. Taylor, David M. White, Lucille L. Andersen, Michelle E. Taylor, Rhonda J. Rusk, Stephen C. Crone, Virginia F. Chosa

Lac du Flambeau (LDF) –Alizay T. Doss, Anita A. Koser, Christine L. Zortman, Cynthia C. Carufel, Dana R. Allen, Dawn M. Graveen, Doni E. Poupart, Eugene P. Soulier Jr., Frank C. White, George A. White, Leila R. Schuman, Lisa M. Schuman, Lois E. Vetterneck, Melvin M. VerHaagh Jr., Monica L. Allen, Nyomi R. Stone, Patricia A. Mitchell, Paula J. St Germaine, Salene R. LaRock, Serena A. Johnson, Suzanne J. Haling, Symone R. Pero, Terry L. Mitchell, Timothy A. Burnett Jr.

Mole Lake (MLK) – Craig C. Collins, Antone M. Johnson II, Barron V. Maki, Bruce W. Weber, David S. Maedke, Frank A. Olds, Jacob C. Wojcik, Jamie L. Edwards, Joleen M. McGeshick, Joseph M. Weber, Lisa D. McGeshick, Peter McGeshick Jr., Roger M. Weber, Roger McGeshick Sr., Wade A. Saternus

Red Cliff (RCF) – Abigail H. Hood, Andrea B. Hyde, Colleen M. Hyde, Jeffrey E. Hood, Jessica L. Soulier, Mark A. Bressette Jr., Thomas M. Morris

St. Croix (STC) – Benjamin J. Babcock, Burton E. Lindemann, Cordell A. Benjamin, Dawn R. Seagraves, George D. Reynolds, Jacob D. Didier, Jennifer J. Benjamin, Jeromy M. Lambert, Joseph L. Oustigoff, Leslie M. Billy, Mark L. Soulier, Michael J. Bearheart, Nichole R. Bressette, Peter J. Dunkley, Philip J. Soulier, Seth A. Stoner

The efforts of the following GLIFWC wardens in setting up nightly clerk/warden teams and in kindly agreeing to supervise creel clerks is appreciated: Vern Stone (BRV), Lauren Tuori and Mike Popovich (LCO), Jonas Moermond and Riley Brooks (LDF), Adam, McGeshick and Roger McGeshick (MLK), Michael Soulier and James Stone (RCF), Brad Kacizak (STC).

The patience and humor of tribal members during the nightly counting and measuring of fish continues to be recognized and appreciated. I would like to thank Jennifer Krueger-Bear and Kim Campy for their efforts to manage the spring spearing and netting fisheries. Also, I would like to extend a "Chi Miigwech" to Jonathan Gilbert for the time and effort put into the editorial review.

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Appendix A. Number of tribal members that speared one or more nights on lakes selected by six Wisconsin Chippewa bands during the 2015 spring spear fishery.

Number Of Nights	Number of Spearers						Total Spearers per # of Nights	Percent of Total	Cumulative Percent
	BRV ¹	LCO ²	LDF ³	MLK ⁴	RCF	STC ⁵			
1	41	47	52	16	46	22	224	39.4%	39.4%
2	14	15	28	12	7	8	84	14.8%	54.2%
3	6	14	15	11	8	3	57	10.0%	64.3%
4	1	14	16	5	3	1	40	7.0%	71.3%
5	3	9	18	5	1	6	42	7.4%	78.7%
6	3	7	15	8	3	1	37	6.5%	85.2%
7	2	6	5	5	1	3	22	3.9%	89.1%
8		1	8	3		1	13	2.3%	91.4%
9			8	3		1	12	2.1%	93.5%
10			5		1	1	7	1.2%	94.7%
11		3	7	1	1	3	15	2.6%	97.4%
12			3			4	7	1.2%	98.6%
13			3				3	0.5%	99.1%
14			2				2	0.4%	99.5%
15			1			1	2	0.4%	99.8%
18						1	1	0.2%	100.0%
Total Spearers per Tribe	70	116	186	69	71	56	568	100%	100%

¹ Includes 2 MLK members

² Includes 7 members from other tribes: 5 from BRV and 2 from RCF

³ Includes 1 BRV member

⁴ Includes 1 RCF member

⁵ Includes 4 members from other tribes: 1 from BRV, 2 from LCO and 1 from RCF.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2015. Also, balance of quota, number of boat-hours, catch per effort (CPE - walleye per boat-hour), number of spearer-nights, number of interviews with effort, and number of interviews without effort

Six Tribal Bands Combined:	Tribal Quota		April		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21								
	Number of lakes:			14	13	15	15	19	16	18	29	31	31	36	41	46	46	50	39	34	34	39	39	50	50	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39					
Number of walleye:	68,263	123	236	252	81	223	413	59	1,618	1,043	231	3,439	4,143	3,422	3,639	5,575	3,355	2,770	512	302																													
Number of spearer-nights:		22	20	23	10	25	47	21	122	107	30	194	213	173	175	272	227	141	41	17																													
Number of interviews with effort:		10	10	12	6	13	22	9	55	47	16	91	98	80	73	114	126	55	17	9																													
Number of interviews without effort:		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																													
Number of boat-hours:		19.8	33.4	30.3	16.8	35.6	56.6	12.1	156.9	142.2	39.6	235.5	291.7	214.2	197.6	269.3	265.8	98.0	36.5	12.6																													
Catch-per-effort:		6.2	7.1	8.3	4.8	6.3	7.3	4.9	10.3	7.3	5.8	14.6	14.2	16.0	18.4	20.7	12.6	28.3	14.0	23.9																													

Six Tribal Bands Combined:	Tribal Quota		April		22		23		24		25		26		27		28		29		30		May 1		2		3		4		5		6		Total Harvest		Quota Balance		Boat-Hour		CPE								
	Number of lakes:		22	29	21	33	30	32	37	42	40	31	30	27	26	18	18	974																															
Number of walleye:	68,263	454	1,488	2,246	1,274	535	409	196	95	154	54	0	176	14	1	3	38,535	29,728																															
Number of spearer-nights:		27	90	109	88	44	34	29	15	14	11	0	2	9	2	2	2,356																																
Number of interviews with effort:		13	41	45	35	20	18	11	7	6	6	0	1	4	1	2	1,073																																
Number of interviews without effort:		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																													
Number of boat-hours:		22.9	69.4	74.2	90.0	51.5	50.6	31.8	18.5	14.5	10.5	0.0	4.8	9.4	2.2	0.9	2,619.0																																
Catch-per-effort:		19.8	21.4	30.3	14.2	10.4	8.1	6.2	5.1	10.6	5.2	*	37.1	1.5	0.5	3.2	14.7																																

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2015. Also, balance of quota, number of boat-hours, catch per effort (CPE - walleye per boat-hour), number of speaker-nights, number of interviews with effort, and number of interviews without effort.

County	Lac du Flambeau Lake	Area (acres)	2015 Quota	2015 Tribal Quota	April 10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	May					Total Harvest	Boat- Hour	Spear CPE
																										1	2	3	4	5			
ASHLAND	L GALILEE	213	0	1															1										1	0.8	1.3		
CHIPPEWA	HOLCOMBE FL	3,890	404		**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0	247	17.8	13.9	
CHIPPEWA	L WISSOTA	6,300	280	527	98	66	19	33			31																	0					
DUNN	TAINTER L	1,752	290	290																													
IRON	BIG PINE L	632	218	218																													
IRON	GILE FL	3,384	1,087	1,087																													
IRON	I OF THE FALLS	338	41	41																													
IRON	LOWER SPRINGSTEAD L	95	35	35																													
IRON	MARTHAL	145	53	53																													
IRON	MERCER L	184	23	23																													
IRON	PARDEE L	206	74	74																													
IRON	PIKE L	165	59	59																													
IRON	RANDALL L	115	42	42																													
IRON	RICE L	125	45	45																													
IRON	SANDY BEACH L	111	15	15																													
IRON	TURTLE-FLAMBEAU FL	13,545	14	3,809															174	**	32	120	140	**	73	**	**	**	176				
LINCOLN	JERSEY CITY FL	404	103	142	**	0	**		39																			39	4.9	8.0			
LINCOLN	L ALICE	1,369	399	458	59	**	**																					59	1.6	37.3			
LINCOLN	L MOHAWKIN	1,910	468	630	36	**	35	**	79	**	**	12	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	182	10.5	15.4			
LINCOLN	RICE R FL CHAIN	3,764	7	1,203	29	70	29	117	249	116	299	240	47														1,196	103.1	11.6				
LINCOLN	SPIRIT R FL	1,663	552	552	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0					
ONEIDA	ALVA L	201	72	72																													
ONEIDA	BEARSKIN L	400	0	935				737	198																			935	95.3	26.5			
ONEIDA	BIG CARR L	213	27	27																								0					
ONEIDA	BIRCH L	180	65	65																								0					
ONEIDA	BLUE L	456	159	159																								0					
ONEIDA	BOOM L	437	12	12															**	**	**	26						26	2.9	8.9			
ONEIDA	BOOTH L	207	0	26														**	**	**	**	26					26	2.9	8.9				
ONEIDA	BUCKSKIN L	634	-1	97				98										**	**	**	**	26					98	3.1	31.6				
ONEIDA	CARROL L	352	40	42														**	**	**	**	22					2	1.8	1.1				
ONEIDA	CHAIN L	219	65	78							13	**	27	133			**	**	**	**	**	0					13	2.8	4.6				
ONEIDA	CLEAR L	846	0	182													**	**	**	**	**	22					13	2.8	4.6				
ONEIDA	CLEARWATER L	351	124	124													**	**	**	**	**	22					13	2.8	4.6				
ONEIDA	COLUMBUS L	670	230	230													**	**	**	**	**	22					13	2.8	4.6				
ONEIDA	DAM L	744	0	255							215	**	40				**	**	**	**	**	22					0						
ONEIDA	E HORSEHEAD L	184	66	66													**	**	**	**	**	22					0						
ONEIDA	FIFTH L	240	86	86													**	**	**	**	**	22					0						
ONEIDA	FOURTH L	258	92	92													**	**	**	**	**	22					0						
ONEIDA	GILMORE L	320	39	39												**	**	**	**	**	**	22					0						
ONEIDA	HASBROOK L	302	6	107								101					**	**	**	**	**	22					0		101	4.4	22.9		
ONEIDA	HAT RAPIDS FL	650	224	224													**	**	**	**	**	22					0						
ONEIDA	INDIAN L	397	139	139													**	**	**	**	**	22					0						
ONEIDA	KATHAN L	189	68	68													**	**	**	**	**	22					0						
ONEIDA	KATHERINE L	590	1	204					203								**	**	**	**	**	22					0		203	6.1	33.4		
ONEIDA	KAWAGUESAGA L	670	0	0													**	**	**	**	**	22					0						
ONEIDA	L CREEK	172	62	62													**	**	**	**	**	22					0						
ONEIDA	L THOMPSON	382	46	46									**				**	**	**	**	**	22					0						
ONEIDA	MANSON L	236	34	84			21	**	29								**	**	**	**	**	22					0						
ONEIDA	MEDICINE L	372	112	152									**				**	**	**	**	**	27	13				0						
ONEIDA	MERCER L	257	92	92													**	**	**	**	**	22					0						
ONEIDA	MINOCQUA L	1,360	0	0													**	**	**	**	**	22					0						
ONEIDA	MUSKELLUNGE L	284	2	101							99						**	**	**	**	**	22					0		99	2.5	39.6		
ONEIDA	N INKOMIS L	476	0	56						56							**	**	**	**	**	22					0		56	1.3	42.1		
ONEIDA	ONEIDA L	255	91	91													**	**	**	**	**	22					0						
ONEIDA	PICKEREL L	736	17	17													**	**	**	**	**	22					0						
ONEIDA	PINE L	240	86	86													**	**	**	**	**	22					0						
ONEIDA	RAINBOW FL	2,035	185	669							247	**	**	**	**	**	**	**	**	**	**	69	1	14	**	**	**	**	484	37.4	12.9		
ONEIDA	SAND L	540	51	188							137	**	**	**	**	**	**	**	**	**	**	22					0		137	10.0	13.7		

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2015. Also, balance of quota, number of boat-hours, catch per effort (CPE - walleye per boat-hour), number of spearer-nights, number of interviews with effort, and number of interviews without effort.

County	Red Cliff Lake	Area (acres)	2015 Quota Balance	2015 Tribal Quota	April 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	May 1	2	3	4	Total Harvest	Boat-Hour	Spear CPE
ASHLAND	L GALILEE	213	0	1																	1												1	0.5	2.0	
BAYFIELD	ATKINS L	176	22	56									**	**	34																		34	3.0	11.3	
BAYFIELD	BLADDER L	81	22	27									**	**	5																		5	2.7	1.9	
BAYFIELD	DIAMOND L	341	25	26																	0												1	6.3	0.2	
BAYFIELD	L OWEN	1,323	0	39																	39												39	3.3	12.0	
BAYFIELD	LONG L	263	29	29									**	**	**																	0	0	*		
BAYFIELD	MIDDLE EAU CLAIRE L	902	0	193	7	0	**	64	**	11	36			**	**	63				12												193	20.8	9.3		
BAYFIELD	NAMEKAGON L	3,227	3	464			41	240	180					155																		461	30.0	15.4		
BAYFIELD	PIKE L CHAIN	714	0	155																												155	7.0	22.1		
BAYFIELD	UPPER EAU CLAIRE L	996	0	213	34	1	**	136	38			**	**		4																	213	19.9	10.7		
DOUGLAS	AMNICON L	426	11	11							**	**	**	0	**																0	1.3	0.0			
DOUGLAS	L MINNESUING	432	23	23							**	**	0	**	**																0	2.0	0.0			
DOUGLAS	L NEBAGAWON	914	-1	133				**	**	55	49	13	**	**	**																	134	19.0	7.1		
DOUGLAS	LOWER EAU CLAIRE L	802	0	245	**	**	**	107	5	**	58				59	2	9			5												245	38.3	6.4		
DOUGLAS	UPPER ST CROIX L	855	0	86											75						11											86	7.0	12.3		
IRON	PINE L	312	113	113							**	**	**	**	**																0	0	*			
SAWYER	NELSON L	2,503	56	187	**	**	**	60	**	19	36	14	**	**	**																131	25.7	5.1			
WASHBURN	MINONG FL	1,564	260	260																											0	3.0	0.0			
Number of lakes:		18			4	4	5	5	6	4	6	8	7	8	10	4	1	0	0	2	4	0	10	10	10	9	9	9	9	9	9	9				
Number of walleye:			563	2,261	41	1	41	547	283	11	468	85	27	155	102	142	9	0	0	17	51	0	11	0	7	0	0	0	0	0	0	0	1,698			
Number of spearer-nights: (# of permits)					4	6	8	27	16	2	13	9	7	8	32	16	2	0	0	2	8	0	3	2	3	0	0	2	0	0	0	0	1,711			
Number of interviews with effort:					2	3	3	15	9	1	7	5	1	1	8	6	1	0	0	2	4	0	2	1	2	0	0	1	0	1	0	0	75			
Number of interviews without effort:					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Number of boat-hours:					4.8	3.9	7.0	34.2	21.7	2.5	14.8	13.0	7.8	7.0	28.2	16.6	2.7	0.0	0.0	1.8	5.7	0.0	4.0	4.5	6.3	0.0	0.0	1.3	0.0	2.0	0.0	0.0	0.0	189.6		
Catch-per-effort:					8.6	0.3	5.9	16.0	13.0	4.4	11.3	6.5	3.5	22.1	3.6	8.6	3.4	*	*	9.7	8.9	*	2.8	0.0	1.1	*	*	0.0	*	*	*	*	*	*		

* Lakes not speared during spring 2015
 ** Lakes open for spearing but no effort.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2015. Also, balance of quota, number of boat-hours, catch per effort (CPE - walleye per boat-hour), number of speaker-nights, number of interviews with effort, and number of interviews without effort.

County	St. Croix Lake	Area (acres)	2015 Quota Balance	2015 Tribal Quota	April	Days												Total Harvest	Boat-Hour	Spear CPE										
						3	4	5	6	7	8	9	10	11	12	13	14				15	16	17	18	19	20	23	26	27	28
ASHLAND	L GALILEE	213	0	1																1								1	0.5	2.0
BARRON	BEAR L	1,358	88	124	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	32	**	**	**	**	**	**	**	36	6.7	5.4
BARRON	BEAVER DAM L	1,112	8	45																7								37	4.2	8.9
BARRON	BIG DUMMY L	111	15	15																								0		
BARRON	BIG MOON L	191	24	24																								0		
BARRON	DUCK L	100	33	37	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	4	**	**	**	**	**	**	**	0		
BARRON	GRANITE L	154	46	56	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	10	**	**	**	**	**	**	**	4	1.3	3.0
BARRON	HORSESHOE L	115	15	15	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**									10	1.8	5.5
BARRON	HORSESHOE L	377	11	11	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**									0		
BARRON	L CHETEK	770	88	88																								0		
BARRON	LOWER DEVILS L	162	58	58																								0		
BARRON	LOWER TURTLE L	276	34	34																								0		
BARRON	LOWER VERMILION L	208	26	26																								0		
BARRON	MUD L	577	15	15																								0		
BARRON	POKAGAMA L	506	176	176																								0		
BARRON	POSKIN L	150	19	19																								0		
BARRON	PRAIRIE L	1,534	165	165	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**									0		
BARRON	RED CEDAR L	1,841	0	384																16								384	38.0	10.1
BARRON	SAND L	322	8	10																16								2	2.1	1.0
BARRON	SILVER L	337	19	119																**	**	**	**	**	**	**	**	0		
BARRON	SPRING L	60	22	22																**	**	**	**	**	**	**	**	0		
BARRON	STAPLES L	305	37	37																								0		
BARRON	UPPER DEVILS L	86	4	4																								0		
BARRON	UPPER TURTLE L	438	52	52																16								0		
BURNETT	BIG MCKENZIE L	1,185	0	130	25															43								130	37.1	3.5
BURNETT	CLAM R FL	359	127	127																1								0		
BURNETT	DEVILS L	1,001	22	23																**	**	**	**	**	**	**	**	0		
BURNETT	DUNHAM L	243	30	30																								0		
BURNETT	LIPSETT L	393	3	10	4															**	**	**	**	**	**	**	**	0		
BURNETT	LITTLE YELLOW L	348	123	123	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**									0		
BURNETT	ROONEY L	322	30	39	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	6								0		
BURNETT	ROUND L	204	25	25																								0		
BURNETT	SAND L	962	17	41																24	**	**	**	**	**	**	**	0		
BURNETT	YELLOW L	2,287	893	952	3																							0		
CHIPPEWA	HOLCOMBE FL	3,890	203	203																								24	3.2	7.6
CHIPPEWA	L WISSOTA	6,300	357	439																**	**	**	**	**	**	**	**	59	29.4	2.0
DOUGLAS	BASS L	126	46	46																								0		
DOUGLAS	BEAR L	49	18	18																								0		
DOUGLAS	BEAUREGARD L	93	34	34																								0		
DOUGLAS	LEADER L	165	59	59																								0		
DUNN	TANTER L	1,752	290	290																								0		
POLK	BALSAM L	2,054	47	96																10	29	**	**	**	**	**	**	0		
POLK	BEAR L	155	56	56																								0		
POLK	BIG BUTTERNUT L	378	0	45	1															44								0		
POLK	BIG ROUND L	1,015	91	113																**	**	**	**	**	**	**	**	45	4.4	10.2
POLK	HALF MOON L	579	9	9																								0		
POLK	INDIANHEAD FL	776	265	265																								0		
POLK	MAGNOR	231	29	29																								0		
POLK	N PIPE L	58	21	21	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**									0		
POLK	PIPE L	284	35	35	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**									0		
POLK	SAND L	187	7	7																								0		
POLK	WAPOGASSET L	1,186	0	130	6															63								130	19.3	6.7

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2015. Also, balance of quota, number of boat-hours, catch per effort (CPE - walleye per boat-hour), number of spearer-nights, number of interviews with effort, and number of interviews without effort.

County	St. Croix Lake	Area (acres)	2015 Quota Balance	2015 Tribal Quota	April	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	23	26	27	28	29	30	Total Harvest	Boat-Hour	Spear CPE	
SAWYER	SISSABAGAMAL	719	1	77	73	132	120	**	69	**	74				76														76	1.8	42.9		
ST CROIX	CEDAR L	1,100	0	413	73	132	120	**	69	**	74																		413	27.6	15.0		
WASHBURN	BALSAM L	295	0	105											**	31													105	6.0	17.6		
WASHBURN	BASS L	130	47	47													0												0	1.8	0.0		
WASHBURN	BASS-PATTERSON L	188	0	177	59				4						80	34													177	15.4	11.5		
WASHBURN	BIG BASS L	203	25	25																0	0							0	0	*			
WASHBURN	DUNN L	193	69	69						**																			0	4.7	0.0		
WASHBURN	L NANCY	772	0	88		3						7	**	78															88	12.7	6.9		
WASHBURN	LONG L	3,290	14	334											90	155	75			**									320	40.4	7.9		
WASHBURN	MIDDLE MCKENZIE L	530	6	62						16						38													56	14.8	3.8		
WASHBURN	MINONG FL	1,564	260	260																									0	0	*		
WASHBURN	SHELL L	2,580	0	103											103						**								103	14.0	7.4		
Number of lakes:		64			10	9	9	8	8	9	6	7	7	7	9	6	6	7	8	8	6	7	4	1	0	6	5	5	6				
Number of walleye:			4,222	6,692	86	194	149	22	33	160	18	338	88	0	551	216	225	168	152	0	2	3	1	0	14	30	3	17	2,470				
Number of spearer-nights: (# of permits)					16	15	6	9	19	6	26	16	0	35	28	21	17	18	5	5	4	1	0	7	8	4	5	287					
Number of interviews with effort:					7	8	4	5	10	3	15	7	0	18	15	12	7	8	33	2	2	2	2	1	0	3	2	2	175				
Number of interviews without effort:					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Number of boat-hours:					15.8	20.4	17.5	7.3	7.7	22.2	3.6	35.9	19.5	0.0	37.6	48.2	29.6	20.8	16.7	4.5	3.1	5.6	0.5	0.0	9.8	10.0	5.9	8.3			350.3		
Catch-per-effort:					5.5	9.5	8.5	3.0	4.3	7.2	5.0	9.4	4.5	*	14.7	4.5	7.6	8.1	9.1	0.0	0.6	0.5	2.0	*	1.4	3.0	0.5	2.1			7.1		

* Lakes not speared during spring 2015

** Lakes open for spearing but no effort.

*** Lakes opened for muskellunge harvest only.

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2015. Data arranged alphabetically by tribe, county, and lake.

Lac du Flambeau		INCH GROUP																			Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed						
County	Lake	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								
ASHLAND	L GALILEE											1															1	1	17.5	1	1	1	1	
CHIPPewa	L WISSOTA				6	5	38	54	45	34	35	15	9	2	1	1	1	1	1	1	1	1	1	1	1	1	247	247	3,377.4	217	18	11	246	
IRON	TURTLE-FLAMBEAU FL	1	1	8	81	97	244	262	177	98	67	36	16	2	5	5	2	2	2	2	2	2	2	2	2	2	1,105	3,795	15,090.4	786	78	242	1,106	
LINCOLN	JERSEY CITY FL				2	3	3	5	6	12	5	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	39	39	566.1	13	8	18	39	
LINCOLN	L ALICE				1	6	9	12	17	10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	59	59	704.4	13	13	46	59	
LINCOLN	L MOHAWKIN				8	17	31	41	31	23	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	162	162	2,039.3	132	6	24	162	
LINCOLN	RICE R FL				1	1	4	20	40	44	33	29	19	14	8	6	7	1	1	1	1	1	1	1	1	1	230	287*	3,583.8	137	40	53	230	
LINCOLN	RICE R FL CHAIN				14	39	98	157	134	68	44	33	31	24	18	15	7	2	1	1	1	1	1	1	1	1	687	909	10,899.5	458	193	36	687	
ONEIDA	BEARSKIN L	12	58	123	100	52	31	16	11	8	10	5	9	5	3	2	1	1	1	1	1	1	1	1	1	447	935	6,254.0	338	14	94	446		
ONEIDA	BOOTH L						4	9	6	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26	26	455.9	16	1	9	26	
ONEIDA	BUCKSKIN L				2	5	10	24	24	15	8	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	98	98	1,621.0	77	19	2	98	
ONEIDA	CARROLL																										2	2	51.1	2	2	2	2	
ONEIDA	CHAIN L																										13	13	247.1	9	3	1	13	
ONEIDA	CLEAR L				1	5	9	16	43	53	33	12	2	1	2	4	1	1	1	1	1	1	1	1	1	1	182	182	2,978.5	153	16	13	182	
ONEIDA	CLEAR L				1	19	37	39	34	26	16	9	4	3	3	3	3	1	1	1	1	1	1	1	1	1	192	192	2,929.2	153	33	33	192	
ONEIDA	DAM L				1	3	14	19	27	32	22	20	10	11	8	2	3	1	1	1	1	1	1	1	1	1	176	255	2,675.3	148	20	8	176	
ONEIDA	HASBROOK L						3	2	8	31	27	12	9	3	1	1	1	1	1	1	1	1	1	1	1	1	101	101	1,691.3	16.7	71	16	101	
ONEIDA	KATHERINE L				3	16	62	55	17	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	165	203	2,391.0	14.5	137	28	165	
ONEIDA	MANSON L						4	3	5	4	14	10	4	1	1	1	1	1	1	1	1	1	1	1	1	1	50	50	835.8	16.5	42	2	50	
ONEIDA	MEDICINE L				1	1	4	11	8	8	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	99	99	1,702.0	17.2	44	55	99	
ONEIDA	MUSKELLUNGE L																										56	56	923.7	16.5	44	2	10	56
ONEIDA	N NOKOMIS L				1	5	13	50	99	72	43	36	28	13	9	5	6	4	2	2	2	2	2	2	2	2	386	484	5,726.7	14.8	350	26	10	386
ONEIDA	RAINBOW FL				2	6	11	24	23	22	13	14	8	4	2	1	1	1	1	1	1	1	1	1	1	1	137	137	2,103.5	15.4	100	24	137	
ONEIDA	SAND L				2	32	115	193	107	74	54	19	24	14	12	5	6	2	2	2	2	2	2	2	2	2	683	683	9,671.3	14.6	548	74	38	660
ONEIDA	SQUIRREL L																										6	6	134.2	22.4	6	6	6	
ONEIDA	SWEENEY L																										270	270	4,695.0	17.4	220	31	19	270
ONEIDA	TWO SISTERS L				1	3	9	26	90	165	134	130	121	58	29	21	11	9	2	1	1	1	1	1	1	1	811	1,617	12,988.9	16.0	658	122	27	807
PRICE	BUTTERNUT L				2	16	46	141	174	71	29	20	6	5	1	4	3	7	5	1	4	1	1	1	1	1	537	537	6,863.6	12.8	390	17	129	536
PRICE	PIKE L				1	4	14	17	17	11	3	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	76	76	1,026.4	13.5	69	5	2	76
PRICE	ROUND L				7	16	28	21	14	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1,237.2	12.4	75	4	21	100
PRICE	TURNER L																										8	8	101.5	12.7	8	8	8	
VILAS	ALLEQUASH L				1	1	3	3	3	6	9	7	7	10	4	1	1	1	1	1	1	1	1	1	1	1	32	32	512.9	16.0	19	13	32	
VILAS	ANVIL L																										88	88	1,537.8	17.5	75	2	11	88
VILAS	ARROWHEAD L																										2	2	48.7	24.4	2	2	2	
VILAS	BALLARD L				1	1	1	5	19	23	23	14	5	6	4	1	1	4	2	1	1	1	1	1	1	1	115	115	1,981.8	17.2	55	30	30	115
VILAS	BIG ARBOR VITAE L	1			1	1	1	5	3	10	84	155	79	28	16	8	6	4	1	1	1	1	1	1	1	1	411	710	6,981.7	16.9	353	43	16	412
VILAS	BIG GIBSON L				1	1	1	2	4	2	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	26	26	390.0	15.0	24	2	2	26
VILAS	BIG L (BOULDER JCT)				3	8	39	71	34	18	8	9	3	4	1	1	1	1	1	1	1	1	1	1	1	1	202	202	2,846.3	14.1	146	40	16	202
VILAS	BIG L (MI BORDER)				7	13	32	48	53	29	14	6	1	1	1	1	2	1	1	1	1	1	1	1	1	1	209	848	2,965.9	14.2	179	6	24	209
VILAS	BIG MUSKELLUNGE L				3	4	21	35	34	23	15	8	7	4	5	2	4	2	1	1	1	1	1	1	1	1	142	220	2,402.2	16.9	63	55	24	142
VILAS	BIG PORTAGE L																										406	536	6,656.9	16.4	326	29	51	406
VILAS	BIG ST GERMAIN L				6	11	43	98	77	26	41	26	42	8	7	4	3	4	2	4	2	4	4	4	4	4	1	1	15.0	15.0	1	1	1	
VILAS	BIRCH L																										222	222	3,093.5	13.9	181	14	27	222
VILAS	BOULDER L				4	21	56	44	43	20	14	14	3	3	2	1	1	1	1	1	1	1	1	1	1	1	154	214	2,136.8	13.9	145	2	7	154
VILAS	EAGLE L				1	7	32	43	32	26	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	10	224.5	22.5	1	6	3	10
VILAS	FISHTRAP L																										80	81	1,204.1	14.9	59	5	17	81
VILAS	HORSEHEAD L	1			2	8	5	12	14	17	7	8	1	3	1	2	1	1	1	1	1	1	1	1	1	1	218	218	3,083.3	14.1	158	12	48	218
VILAS	ISLAND L				4	13	41	54	43	32	15	7	4	3	1	1	1	1	1	1	1	1	1	1	1	1	218	218	3,083.3	14.1	158	12	48	218

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2015. Data arranged alphabetically by tribe, county, and lake.

Lac du Flambeau		INCH GROUP																													Total Measured	Total Harvested	Total inches	Mean Length	Male	Female	Unknown	Total Sexed
County	Lake	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												
VILAS	JOHNSON L					5	10	38	43	24	10	4	1	1	1			2	3	3	1	1						1	147	207	2,221.7	15.1	104	37	6	147		
VILAS	L LAURA							6	14	11	3	5	5	2	1	1				2	1							51	51	836.7	16.4	47	1	3	51			
VILAS	LITTLE ARBOR VITAE L							2	7	18	6	4	2											1				60	60	935.2	15.6	28	32	6	60			
VILAS	LITTLE JOHN L							1	8	36	19	4	2	2	4	2												98	98	1,283.1	13.1	82	10	6	98			
VILAS	LYNX L							1	1	6	25	33	37	22	11	5	6	1	4	1	2	1	2	1				159	159	2,217.4	13.9	83	10	66	159			
VILAS	MANITOWISH L							12	39	49	54	35	23	19	6	5	4	5	2	5	2	2	1					269	269	3,605.9	13.4	153	8	108	269			
VILAS	OXBOW L										2		1	1	1			1	1					1			8	8	159.8	20.0	3	4	1	8				
VILAS	PALMER L																																					
VILAS	PAPOOSE L							3	3	7	14	6	4	5	1	1												51	51	784.8	15.4	41	8	2	51			
VILAS	PLUM L							1	8	14	42	49	34	26	10	3	1	3	1	1								193	350	3,050.2	15.8	154	22	16	192			
VILAS	RAZORBACK L							1	6	2	25	51	44	10	2	1	1	1	1					1			145	392	2,152.3	14.8	130	13	2	145				
VILAS	REST L							1	16	26	28	29	35	14	6	5	4	3	3	1	1						172	209	2,555.2	14.7	136	16	20	172				
VILAS	SCATTERING RICE L																										3	3	49.4	16.5			1	3				
VILAS	SHERMAN L																										105	105	1,419.7	13.5	85	3	17	105				
VILAS	SHERMAN L																										16	16	202.3	12.6	16			16				
VILAS	SHNEPEL																										374	375	4,776.6	12.7	323	50	2	375				
VILAS	SQUAW L							10	32	41	34	25	14	4	6	10	1	4	1	2	3	2	1				190	212	2,870.4	15.1	155	19	16	190				
VILAS	STAR L							1	8	24	45	58	56	55	26	16	26	24	21	13	11	8	3	4	1	1	401	1,086	7,194.7	17.9	282	39	110	401				
VILAS	TROUT L																										5	5	118.3	23.9			5	5				
VILAS	UPPER BUCKATAGON L																										44	44	751.1	17.1	21		23	44				
VILAS	UPPER GRESHAM L																										84	84	1,315.4	15.7	70	12	2	84				
VILAS	WHITE SAND L																										37	37	592.5	16.0	20	4	13	37				
VILAS	WILDCAT L																										12,272	19,379	183,741.4	15.0	9,272	1,417	1,576	12,265				
	Sub-total:	1	3	8	81	328	872	1,638	2,031	1,951	1,644	1,275	917	493	320	190	167	110	77	56	44	31	20	14	4	1	12,272	19,379	183,741.4	15.0	9,272	1,417	1,576	12,265				

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2015. Data arranged alphabetically by tribe, county, and lake.

Sokaogon (Mole Lake)		INCH GROUP																				Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed			
County	Lake	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29									
ASHLAND	L GALLEE						6	12	4	11	22	11	5	4	2									1	77	77	17.0	1				
FLORENCE	PATTEN L					9	22	27	53	76	60	27	12	6	5								1	302	302	5,242.7	68	1	8	77		
FOREST	BUTTERNUT L					3	8	12	7	1	2	4	2	2										37	37	586.5	30	2	5	37		
FOREST	CRANEL					2	7	22	29	7	3	2												73	73	1,260.3	57	8	8	73		
FOREST	FRANKLIN L					1	9	18	4	3	6	6	7	3										60	60	1,023.9	50	3	7	60		
FOREST	L LUCERNE					1	11	35	51	55	11	9	15	7	5	2	1	1					1	210	681	3,703.5	174	17	19	210		
FOREST	L METONGA					1	17	17	23	31	10	2	6	2	1	1								112	112	1,679.1	100	4	8	112		
FOREST	ROBERTS L					1	2	1	4	14	6	2	1											31	31	544.4	25	1	5	31		
FOREST	SILVER L											2												4	4	90.6	22.7	1	2	4		
FOREST	STEVENS L					1	1	2	3			5	1	5	2									20	20	357.8	17.9	19	1	20		
FOREST	TRUMP L							4	7	4	1	2	1											19	19	323.7	17.0	17	1	19		
LANGLADE	ENTERPRISE L					3	10	24	38	27	14	4												158	158	2,468.6	15.6	133	18	7	158	
LANGLADE	OTTER L									3	8	4	2	1										19	19	346.8	18.3	18	1	19		
LANGLADE	ROSE L											3	1											5	5	97.0	19.4	4	1	5		
LANGLADE	SAWYER L							1	1	6	6	3	1											19	19	332.8	17.5	16	3	19		
OCONTO	BOOT L					4	3	1	10	21	18	9	3	1										72	72	1,281.9	17.8	46	3	72		
OCONTO	WHEELER L											1												1	1	19.3	19.3	1		1		
ONEIDA	BIG FORK L					16	58	100	72	33	22	16	4	3	2	1	1	1						335	335	4,118.3	12.3	250	19	66	335	
ONEIDA	BIG L					1	6	24	23	29	22	15	6	4	1	1								157	157	2,061.5	13.1	132	20	5	157	
ONEIDA	BIG STONE L					4	3	3	3	2	2													22	22	289.7	13.2	14	2	6	22	
ONEIDA	CRESCENT L																							133	133	1,811.3	13.6	132	1	133		
ONEIDA	GEORGE L					4	2	4	4	7	3	6	2											38	38	554.8	14.6	34	4	38		
ONEIDA	LITTLE FORK L					8	13	28	26	14	13	3	4	1	2	1	1							116	116	1,465.5	12.6	85	10	21	116	
ONEIDA	LONG L					6	14	26	36	35	25	15	9	2	2									180	180	2,432.4	13.5	154	12	14	180	
ONEIDA	LONG L									2	5	20	19	23	10	4	1	1						88	88	1,492.6	17.0	39	49	88		
ONEIDA	PELICAN L					1	7	18	14	30	64	83	79	47	25	27	14	8	4	5	2	2	1	431	1,027	7,391.8	17.2	340	56	35	431	
ONEIDA	PLANTING GROUND L					7	15	36	27	30	24	13	10	2	4	1	3	2						178	281	2,539.6	14.4	138	24	14	178	
ONEIDA	SEVENMILE L					2	8	14	18	8	3													53	53	743.9	14.0	46	3	4	53	
ONEIDA	SQUASH L					1	2	3	14	10	23	12	13	2	3	1	1							110	110	1,868.9	17.0	80	21	9	110	
ONEIDA	TOWNLINE L																							1	1	12.3	12.3	1		1		
ONEIDA	VIRGIN L					1	4	1	8	4	4													23	23	316.1	13.7	14	9	23		
VILAS	BIG SAND L					1	1	14	36	27	6	15	11	8	3	5	1	3	1	2				137	137	2,290.3	16.7	101	16	20	137	
VILAS	CATFISH L					2	10	34	53	50	33	10	2	3	1	2	1	1						206	451	2,956.4	14.4	183	12	11	206	
VILAS	CRANBERRY L					6	37	87	83	47	39	14	10	5	2	2								339	519	4,707.7	13.9	295	43	1	339	
VILAS	KENTUCK L									2	1	31	38	24	12	5	8	6	3	4	8	2	2	2	148	148	2,831.9	19.1	101	39	8	148
VILAS	LAC VIEUX DESERT									1	3	6	18	43	48	22	6	7	3	5	2	1		165	242	3,042.4	18.4	129	21	15	165	
VILAS	TWIN L CHAIN					2	5	18	67	53	41	38	13	10	3	4	2	1	1					264	905	4,023.9	15.2	222	21	21	264	
	Sub-total:	2	43	136	280	439	517	543	512	504	525	327	175	115	69	50	28	27	22	12	10	5	1	4,342	6,657	67,632.5	15.6	3,500	427	415	4,342	

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2015. Data arranged alphabetically by tribe, county, and lake.

Red Cliff		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
County	Lake																											
ASHLAND	L GALILEE							1													1	1	17.0	17.0	1			1
BAYFIELD	ATKINS L			2	1	1	2	12	9	3	3									1	34	34	611.7	18.0	21	8	5	34
BAYFIELD	BLADDER L				1					3		1									5	5	94.8	19.0	4	1		5
BAYFIELD	DIAMOND L																	1			1	1	27.0	27.0		1	1	1
BAYFIELD	L OWEN		1				3	7	14	7	4	2									39	39	677.7	17.4	37		2	39
BAYFIELD	MIDDLE EAU CLAIRE L		5	14	12	20	41	45	20	20	8	3	3	1	1						193	193	3,293.1	17.1	160	28	5	193
BAYFIELD	NAMEKAGON L		5	29	75	77	81	51	28	15	3	4		3							371	481	5,599.9	15.1	350	12	9	371
BAYFIELD	PIKE L CHAIN			1	5	17	38	37	27	13	6	3	4	1	2			1			155	155	2,593.9	16.7	127	25	3	155
BAYFIELD	UPPER EAU CLAIRE L		1	1		9	17	29	67	40	26	7	4	4	2	2					209	209	3,727.1	17.8	190	16	3	209
DOUGLAS	L NEBAGAMON		2	10	7	6	15	38	25	14	6	1	4	3	1	2					134	134	2,236.1	16.7	120	10	4	134
DOUGLAS	LOWER EAU CLAIRE L		1	1	2	7	20	23	41	49	38	23	14	14	8	3		1			245	245	4,567.3	18.6	164	76	5	245
DOUGLAS	UPPER EAU CLAIRE L												2		2						4	4	94.1	23.5	1	1	2	4
DOUGLAS	UPPER ST CROIX L		5	19	13	17	14	9	5	1			2		1						86	86	1,338.3	15.6	82	2	2	86
SAWYER	NELSON L		1	1	13	21	28	22	17	6	4	3	5	3	1	4	1	1			131	131	2,179.6	16.6	113	15	3	131
	Sub-total:	10	54	137	165	240	264	286	178	114	54	35	28	19	14	5	1	3	0	1	1,608	1,698	27,057.6	16.8	1,370	194	44	1,608

Appendix D. Number of walleye per inch group taken during spring spearing seasons from 1985 - 2015.

Inch Group	Number of walleye in:																
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
5									1				1	2			
6		1							3				2				
7							1	1	1	2			2				
8				3	1	4	4	3	4	12	2	6	16	25	5	2	
9	2	3	17	10	4	14	36	34	45	63	32	39	79	104	20	33	
10	5	49	123	121	60	183	229	243	245	386	219	233	372	505	162	169	
11	31	358	558	678	306	649	957	957	905	1,186	1,311	1,026	1,230	1,817	989	961	
12	140	680	1,282	1,688	925	1,513	1,979	2,444	2,101	2,170	2,955	2,532	2,262	3,258	2,861	2,541	
13	265	928	1,892	2,755	1,684	2,370	2,582	3,507	3,636	3,110	4,113	3,879	3,242	3,951	4,598	4,213	
14	286	1,068	2,133	3,289	2,222	2,917	2,777	3,252	4,032	3,666	4,360	4,305	3,570	3,890	4,548	5,190	
15	293	985	1,895	2,951	2,154	2,856	2,543	2,375	3,111	3,368	3,768	3,867	3,390	3,281	3,364	4,759	
16	247	939	1,666	2,311	1,919	2,295	2,031	1,696	1,993	2,517	2,703	2,605	2,548	2,443	2,286	3,235	
17	172	801	1,374	1,658	1,390	1,862	1,687	1,207	1,323	1,796	1,756	1,664	1,580	1,819	1,643	2,294	
18	145	458	1,113	1,297	1,010	1,288	1,216	878	812	1,120	1,159	970	1,129	1,094	1,003	1,402	
19	118	255	811	932	634	932	811	562	589	850	729	617	639	706	599	831	
20	33	149	513	596	328	556	590	261	308	383	440	358	378	338	307	376	
21	25	72	259	316	210	307	303	199	218	267	238	240	237	260	258	275	
22	18	50	148	214	109	202	249	171	148	205	195	156	186	183	193	208	
23	18	23	116	134	76	160	151	129	120	189	164	120	142	134	165	154	
24	11	9	86	124	67	100	111	85	101	145	158	111	105	90	93	119	
25	7	10	76	89	48	107	102	66	80	98	109	97	98	81	87	82	
26	9		57	75	45	71	86	65	54	91	80	64	85	91	78	61	
27	10	3	42	56	31	63	46	42	33	55	57	51	56	53	58	38	
28	5	1	28	32	18	30	39	25	27	30	36	37	32	49	27	24	
29	8		25	30	8	15	15	17	12	12	16	15	13	22	16	8	
30	11		8	9	3	5	6	6	1	5	3	6	4	5	9	8	
31	6		2		2	1		1			1	1	1	1	1		
32	2																
33	1																
Total No. Measured:	1,868	6,842	14,224	19,368	13,254	18,500	18,551	18,226	19,903	21,726	24,605	22,999	21,399	24,204	23,371	26,984	
Total Length:	30,382	106,051	226,789	306,926	211,645	295,047	291,543	275,331	301,713	335,322	375,476	348,750	327,444	363,297	354,052	415,478	
Average Length:	16.3	15.5	15.9	15.8	16.0	15.9	15.7	15.1	15.2	15.4	15.3	15.2	15.3	15.0	15.1	15.4	
Total No. Speared:	2,761	6,940	21,321	25,969	16,054	25,348	23,018	21,188	24,532	25,922	30,249	28,327	24,002	27,218	26,105	30,367	
Percent Measured:	68%	99%	67%	75%	83%	73%	81%	86%	81%	84%	81%	81%	89%	89%	90%	89%	
≥20 inches	164	317	1,360	1,675	945	1,617	1,698	1,067	1,102	1,480	1,498	1,256	1,337	1,307	1,293	1,354	
% of total	8.78%	4.63%	9.56%	8.65%	7.13%	8.74%	9.15%	5.85%	5.54%	6.81%	6.09%	5.46%	6.25%	5.40%	5.53%	5.02%	
≥25 inches	59	14	238	291	155	292	294	222	207	291	303	271	289	302	277	222	
% of total	3.16%	0.20%	1.67%	1.50%	1.17%	1.58%	1.58%	1.22%	1.04%	1.34%	1.23%	1.18%	1.35%	1.25%	1.19%	0.82%	

Appendix G. Number, average length (inches), and harvest per acre of bass (BAS) largemouth (LMB) and smallmouth (SMB) bass and northern pike (NOP) for various lakes during spring spearing 2015. Data sorted by tribe, county, and lake.

Tribe	County	Lake	Area	Species	Number Harvested	Number Measured	Total Inches	Average Length	Number Per Acre
LDF	ONEIDA	BEARSKIN L	400	BAS	4	4	65.8	16.5	0.0100
LDF	ONEIDA	WILLOW FL	5135	BAS	3	3	53.3	17.8	0.0006
LDF	VILAS	BIG MUSKELLUNGE L	930	BAS	1	1	21.5	21.5	0.0011
MLK	OCONTO	BOOT L	235	BAS	1	0	-	-	0.0043
MLK	ONEIDA	PELICAN L	3585	BAS	1	0	-	-	0.0003
RCF	BAYFIELD	BLADDER L	81	BAS	3	3	47.3	15.8	0.0370
Total:					13	11	187.9	17.1	0.0089
BRV	DOUGLAS	WHITEFISH L	832	LMB	6	6	103.7	17.3	0.0072
LCO	SAWYER	GRINDSTONE L	3111	LMB	4	4	68.1	17.0	0.0013
LCO	SAWYER	L CHIPPEWA	15300	LMB	5	5	82.4	16.5	0.0003
LCO	SAWYER	SPIDER L	1454	LMB	2	2	30.1	15.1	0.0014
LDF	ONEIDA	SQUIRREL L	1317	LMB	6	6	91.7	15.3	0.0046
LDF	VILAS	ARROWHEAD L	99	LMB	1	1	13.8	13.8	0.0101
LDF	VILAS	BALLARD L	505	LMB	1	1	17.2	17.2	0.0020
LDF	VILAS	BIG L (BOULDER JCT)	835	LMB	3	3	47.2	15.7	0.0036
LDF	VILAS	PLUM L	100	LMB	1	1	15.8	15.8	0.0100
LDF	VILAS	TROUT L	3816	LMB	1	1	19.1	19.1	0.0003
MLK	FOREST	BUTTERNUT L	1292	LMB	1	1	17.2	17.2	0.0008
MLK	ONEIDA	LITTLE FORK L	354	LMB	1	0	-	-	0.0028
MLK	ONEIDA	PELICAN L	3585	LMB	3	0	-	-	0.0008
MLK	ONEIDA	SQUASH L	392	LMB	2	2	33.2	16.6	0.0051
MLK	VILAS	KENTUCK L	957	LMB	5	0	-	-	0.0052
RCF	DOUGLAS	LOWER EAU CLAIRE L	802	LMB	7	7	97.5	13.9	0.0087
STC	BARRON	BEAR L	1358	LMB	9	9	130.9	14.5	0.0066
STC	BURNETT	BIG MCKENZIE L	1185	LMB	15	15	216.9	14.5	0.0127
STC	BURNETT	DEVILS L	1001	LMB	7	7	99.3	14.2	0.0070
STC	BURNETT	YELLOW L	2287	LMB	11	11	166.2	15.1	0.0048
STC	POLK	BALSAM L	2054	LMB	77	77	1,054.1	13.7	0.0375
STC	POLK	BIG ROUND L	1015	LMB	27	27	392.6	14.5	0.0266
STC	POLK	BONE L	1781	LMB	60	60	876.9	14.6	0.0337
STC	WASHBURN	BASS L	130	LMB	2	2	25.0	12.5	0.0154
STC	WASHBURN	BASS-PATTERSON L	188	LMB	1	1	11.6	11.6	0.0053
STC	WASHBURN	DUNN L	193	LMB	11	11	152.0	13.8	0.0570
STC	WASHBURN	L NANCY	772	LMB	7	7	103.5	14.8	0.0091
STC	WASHBURN	LONG L	3290	LMB	1	1	16.0	16.0	0.0003
STC	WASHBURN	MIDDLE MCKENZIE L	530	LMB	29	29	447.4	15.4	0.0547
STC	WASHBURN	SHELL L	2580	LMB	17	17	277.3	16.3	0.0066
Total:					323	314	4,606.7	14.7	0.0114
BRV	BAYFIELD	L OWEN	1,323	SMB	3	3	47.8	15.9	0.0023
BRV	DOUGLAS	WHITEFISH L	832	SMB	8	8	131.5	16.4	0.0096
LCO	SAWYER	ROUND L	3,054	SMB	3	3	54.2	18.1	0.0010
LCO	SAWYER	SPIDER L	1,454	SMB	1	1	14.5	14.5	0.0007
LCO	WASHBURN	LONG L	3,290	SMB	1	1	18.2	18.2	0.0003
LDF	IRON	TURTLE-FLAMBEAU FL	13,545	SMB	2	2	31.7	15.9	0.0001
LDF	VILAS	BALLARD L	505	SMB	1	1	18.5	18.5	0.0020
LDF	VILAS	BIG MUSKELLUNGE L	930	SMB	8	8	138.4	17.3	0.0086
LDF	VILAS	LYNX L	22	SMB	1	1	17.1	17.1	0.0455
LDF	VILAS	PLUM L	100	SMB	1	1	18.8	18.8	0.0100
LDF	VILAS	STAR L	1,206	SMB	6	6	108.8	18.1	0.0050
LDF	VILAS	TROUT L	3,816	SMB	1	1	18.8	18.8	0.0003
MLK	FOREST	L METONGA	1,991	SMB	1	0	-	-	0.0005
MLK	FOREST	LILY L	211	SMB	1	1	14.3	14.3	0.0047
MLK	ONEIDA	LONG L	872	SMB	1	1	10.0	10.0	0.0011

Appendix G. Number, average length (inches), and harvest per acre of bass (BAS) largemouth (LMB) and smallmouth (SMB) bass and northern pike (NOP) for various lakes during spring spearing 2015. Data sorted by tribe, county, and lake.

Tribe	County	Lake	Area	Species	Number Harvested	Number Measured	Total Inches	Average Length	Number Per Acre
MLK	ONEIDA	SQUASH L	392	SMB	1	1	14.0	14.0	0.0026
MLK	VILAS	KENTUCK L	957	SMB	3	0	-	-	0.0031
MLK	VILAS	TWIN L CHAIN	3,430	SMB	1	0	-	-	0.0003
RCF	DOUGLAS	LOWER EAU CLAIRE L	802	SMB	8	8	113.0	14.1	0.0100
STC	BARRON	BEAVER DAM L	1,112	SMB	1	1	15.4	15.4	0.0009
STC	BARRON	SILVER L	337	SMB	4	4	72.2	18.1	0.0119
STC	POLK	BALSAM L	295	SMB	8	8	103.3	12.9	0.0271
STC	WASHBURN	DUNN L	193	SMB	1	1	10.2	10.2	0.0052
STC	WASHBURN	LONG L	3,290	SMB	3	3	46.5	15.5	0.0009
STC	WASHBURN	SHELL L	2,580	SMB	3	3	47.8	15.9	0.0012
Total:					72	67	1065	15.9	0.0062
BRV	BAYFIELD	NAMEKAGON L	3,227	NOP	1	1	31.3	31.3	0.0003
BRV	DOUGLAS	WHITEFISH L	832	NOP	2	2	52.7	26.4	0.0024
BRV	VILAS	HARRIS L	507	NOP	4	4	110.4	27.6	0.0079
LCO	SAWYER	GRINDSTONE L	3,111	NOP	2	2	63.5	31.8	0.0006
LCO	SAWYER	L CHETAC	1,920	NOP	1	1	23.2	23.2	0.0005
LCO	SAWYER	L CHIPPEWA	15,300	NOP	1	1	21.0	21.0	0.0001
LCO	SAWYER	LAC COURTE OREILLES	5,039	NOP	3	3	99.5	33.2	0.0006
LCO	SAWYER	ROUND L	3,054	NOP	1	1	29.9	29.9	0.0003
LCO	SAWYER	SPIDER L	1,454	NOP	1	1	32.1	32.1	0.0007
LDF	LINCOLN	RICE R FL CHAIN	3,764	NOP	1	1	30.4	30.4	0.0003
LDF	ONEIDA	CHAIN L	219	NOP	2	2	40.9	20.5	0.0091
LDF	ONEIDA	SQUIRREL L	1,317	NOP	1	1	29.9	29.9	0.0008
LDF	ONEIDA	SWEENEY L	187	NOP	1	1	25.5	25.5	0.0053
LDF	ONEIDA	WILLOW FL	5,135	NOP	1	1	19.9	19.9	0.0002
LDF	VILAS	BIG MUSKELLUNGE L	930	NOP	2	2	57.5	28.8	0.0022
LDF	VILAS	BIG ST GERMAIN L	1,617	NOP	1	1	28.6	28.6	0.0006
LDF	VILAS	LITTLE ARBOR VITAE L	534	NOP	1	1	27.0	27.0	0.0019
LDF	VILAS	MANITOWISH L	506	NOP	1	1	36.0	36.0	0.0020
LDF	VILAS	TROUT L	3,816	NOP	1	1	37.0	37.0	0.0003
LDF	VILAS	UPPER BUCKATABON L	494	NOP	1	1	32.4	32.4	0.0020
MLK	FOREST	CRANE L	337	NOP	1	1	34.6	34.6	0.0030
MLK	LANGLADE	ENTERPRISE L	502	NOP	1	1	32.1	32.1	0.0020
MLK	ONEIDA	PELICAN L	3,585	NOP	2	2	68.6	34.3	0.0006
MLK	ONEIDA	SQUASH L	392	NOP	1	1	19.0	19.0	0.0026
MLK	ONEIDA	VIRGIN L	276	NOP	1	1	29.7	29.7	0.0036
RCF	BAYFIELD	ATKINS L	176	NOP	1	1	31.5	31.5	0.0057
RCF	BAYFIELD	NAMEKAGON L	3,227	NOP	1	1	19.8	19.8	0.0003
RCF	DOUGLAS	AMNICON L	426	NOP	3	3	72.8	24.3	0.0070
RCF	DOUGLAS	LOWER EAU CLAIRE L	802	NOP	12	12	310.9	25.9	0.0150
RCF	DOUGLAS	UPPER ST CROIX L	855	NOP	1	1	19.5	19.5	0.0012
STC	BARRON	BEAR L	1,358	NOP	1	1	21.8	21.8	0.0007
STC	BURNETT	BIG MCKENZIE L	1,185	NOP	4	4	125.5	31.4	0.0034
STC	BURNETT	YELLOW L	2,287	NOP	10	10	261.4	26.1	0.0044
STC	POLK	BIG BUTTERNUT L	378	NOP	4	4	127.5	31.9	0.0106
STC	POLK	BIG ROUND L	1,015	NOP	1	1	24.0	24.0	0.0010
STC	WASHBURN	BASS L	130	NOP	1	1	32.0	32.0	0.0077
STC	WASHBURN	LONG L	3,290	NOP	1	1	27.9	27.9	0.0003
STC	WASHBURN	MIDDLE MCKENZIE L	530	NOP	1	1	25.7	25.7	0.0019
STC	WASHBURN	SHELL L	2,580	NOP	2	2	49.6	24.8	0.0008
Total:					78	78	2,162.6	27.7	0.0028

