



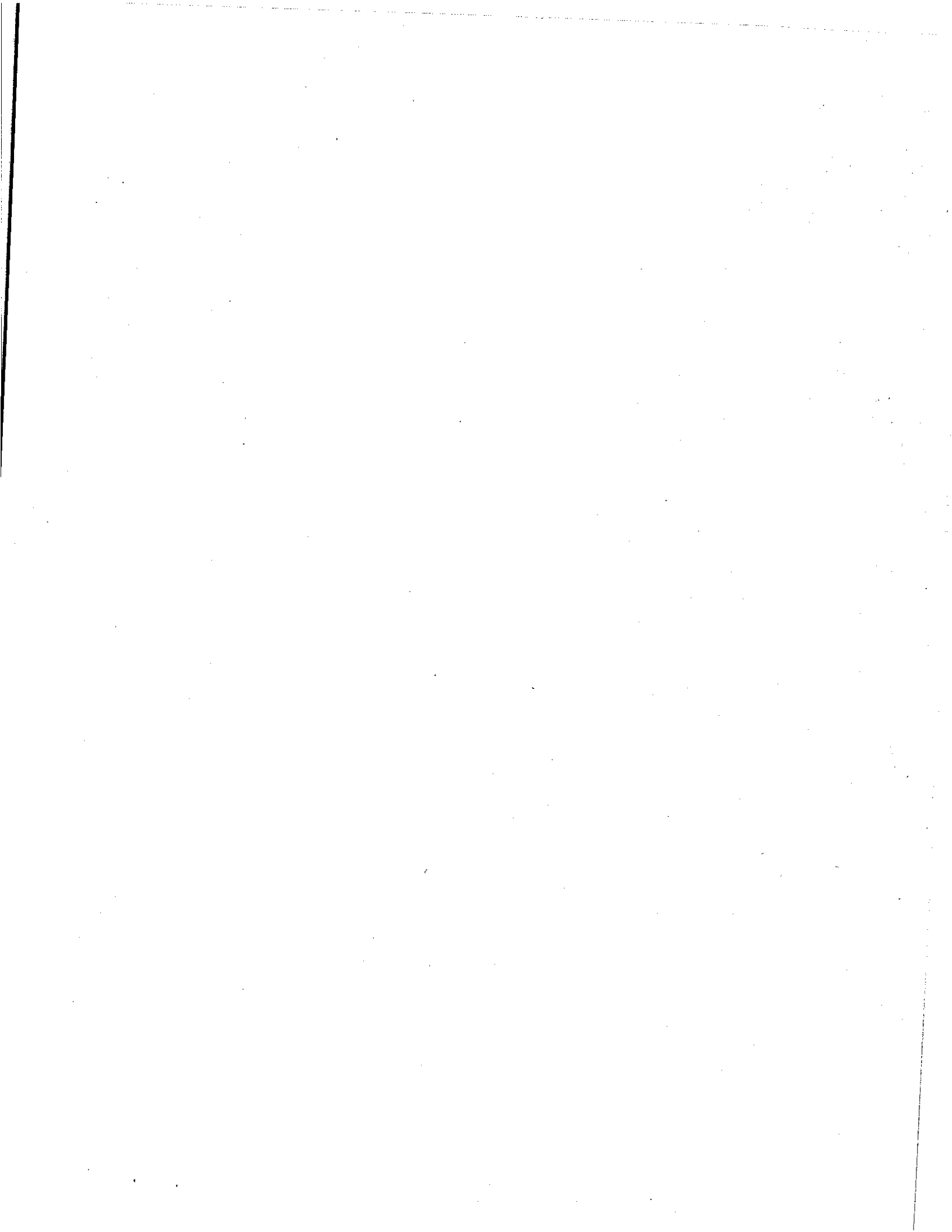
Open Water Spearing In Northern Wisconsin by Chippewa Indians During 2014

by

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**Administrative Report 15-05
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ABSTRACT

The year two-thousand fourteen (2014) marked the thirtieth consecutive spring that spear fishing was conducted by Chippewa tribes in off-reservation waters of northern Wisconsin. A total of 526 tribal members participated in this traditional fishery. Spearing for walleye occurred on 177 lakes and walleye were harvested from all except 17 lakes. A total of 28,242 fish were taken with 97.5% of the catch (27,561 fish) being walleye. Numbers of other gamefish harvested were 248 muskellunge, 201 bass, 50 northern pike, and 1 sturgeon. Average lengths were 15.7 inches for walleye and 38.9 inches for muskellunge. The tribal walleye quota was exceeded on 2 lakes by a total of 34 fish. On the remaining lakes, harvest of walleye and muskellunge was maintained within the established limits by a nightly permit system and complete monitoring of the catch. During 2014 fyke-netting occurred in two river segments and in two lakes in spring while gill-netting occurred in four lakes after June 1. Also, spearing occurred in one river segment in spring and in three lakes during fall.

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INTRODUCTION

This report presents data for harvest and effort by Chippewa spearers in ceded territory waters of northern Wisconsin (Figure 1) during the 2014 open water season. The majority of harvest was taken through spearing during spring. Since 1989 spearing, gill-netting and fyke-netting have occasionally occurred after spring in off-reservation waters. After spring, spearing occurred in one lake in August and two lakes in September. During 2014 fyke-netting occurred in two river segments and in two lakes in spring while gill-netting occurred in four 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. A listing of the major differences between permanent regulations and negotiated interim rules that governed tribal harvest in 1988 can be found in Kmiecik and Shively (1990).

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. alternate 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. Three lakes on the alternate monitoring list were named, spearing occurred on all three of the lakes. A creel team was sent to monitor harvest on one of the lakes, the other two lakes 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. 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 2014 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.

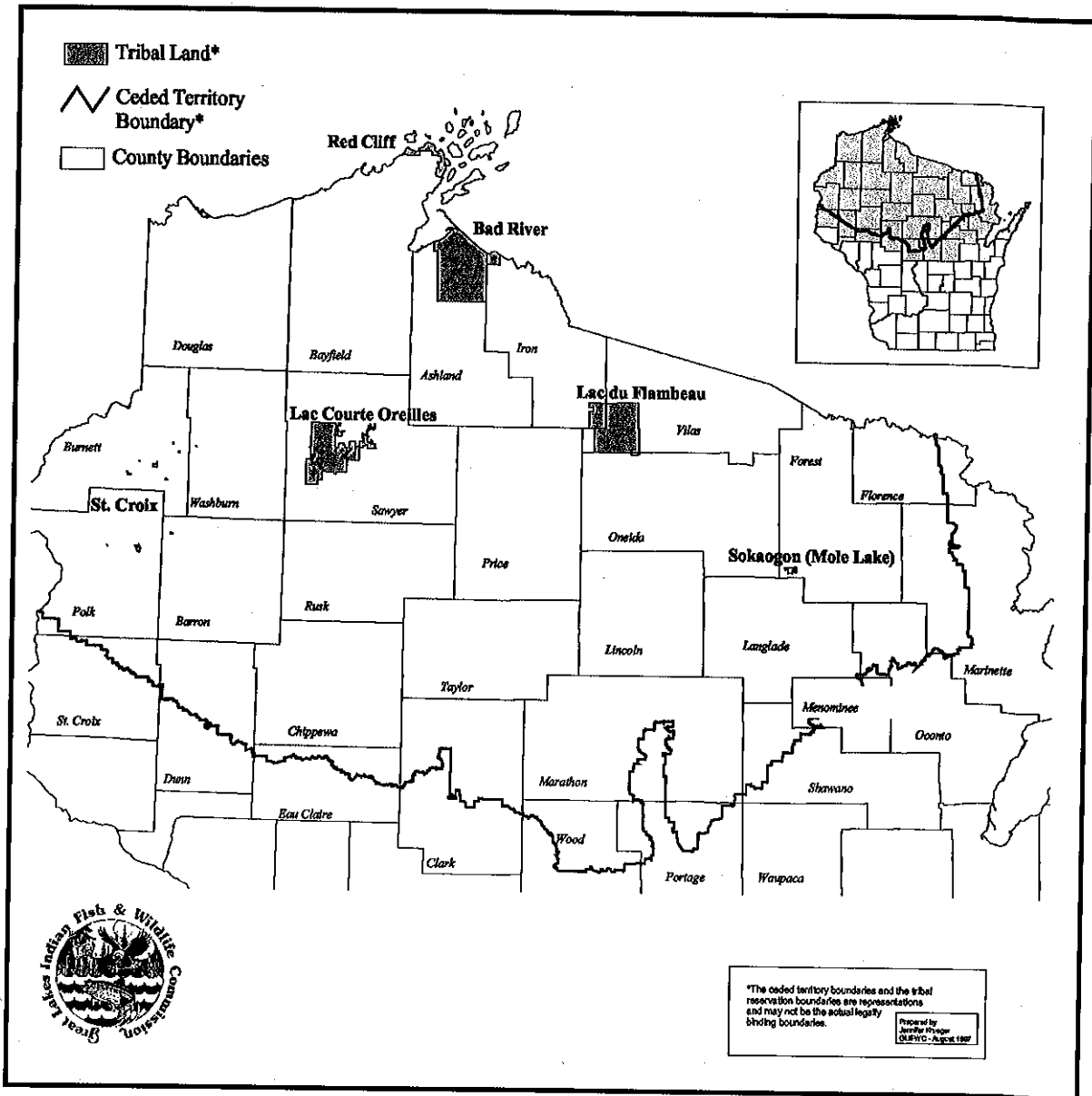


Figure 2. Off-Reservation Treaty Fishing Permit used during the 2014 open-water season.

28 29 30 31 Month _____ 1 2 3 4 5

27 **Off-Reservation Treaty Fishing Permit**

26 Spearing Fyke Netting No 0250

Seining Gill Netting

25 Tribal ID Number _____ of _____ Reservation

 Signature of Permittee: _____

24 Issued by: _____ of _____ Reservation

23 Water: _____ County: _____

 Bag Limit: Walleye _____ Muskellunge _____

22 Other Restrictions: _____

21 20 19 18 17 16 15 14 13 12

FRONT

Start Time: _____ (am or pm)

End Time: _____ (am or pm)

Net Length: _____

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 526 tribal members participated in the 2014 spring spear fishery (Table 1, Figure 3, Appendix A). Compared to 2013, the total number of spearkers increased by 94 persons or 22%.

Table 1. Number of spearkers on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1998-2014¹.

YEAR	BRV	LCO	LDF	MLK	RCF	STC ^{2,3}	TOTAL:
1998	75	85	156	78	51	69	514
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
PERCENT CHANGE: 2013-2014	+69%	+29%	-3%	+37%	+93%	-0%	+22%

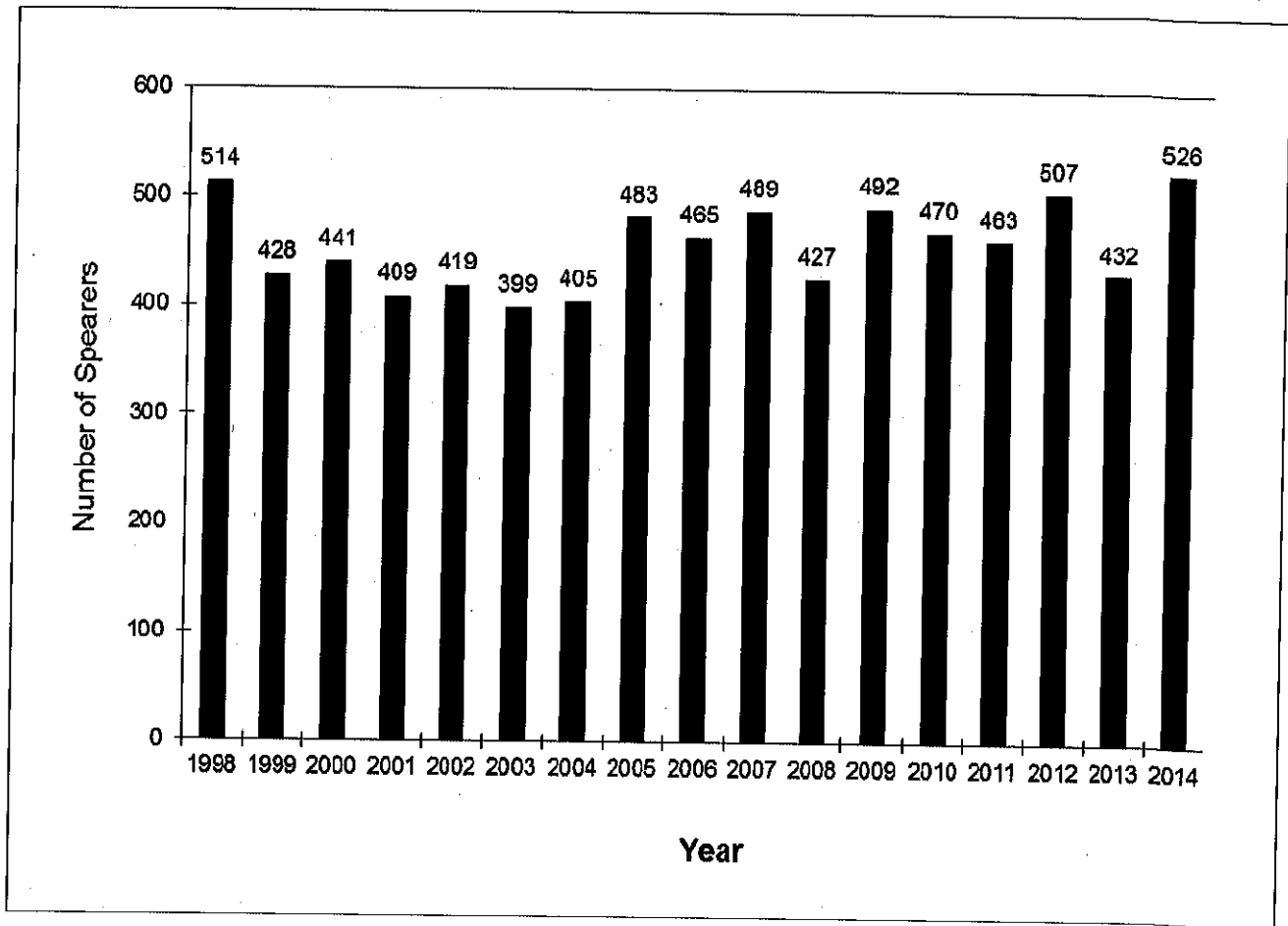
¹Abbreviations for the various bands are: BRV = Bad River, LCO = Lac Courtes Oreilles, LDF = Lac du Flambeau, MLK = Mole Lake, RCF = Red Cliff, and STC = St. Croix.

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

³Includes members from the Fond du Lac tribe for 2014

All persons spearing on lakes selected by Lac du Flambeau, Mole Lake and Red Cliff were members of that tribe. The number of members from other tribes that speared on lakes selected by Bad River was 1, by Lac Courte Oreilles were 3, and by St. Croix were 7.

Figure 3. Number of spearkers during spring spearing seasons from 1998-2014.



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 1998-2014.

YEAR	BRV ¹	LCO ²	LDF	MLK	RCF	STC ³	TOTAL:
1998	172	331	700	307	135	304	1,949
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
PERCENT CHANGE: 2013-2014	+53%	+23%	-6%	+41%	+83%	-4%	+13%

¹ Includes 1 spearer-night for one LCO member.

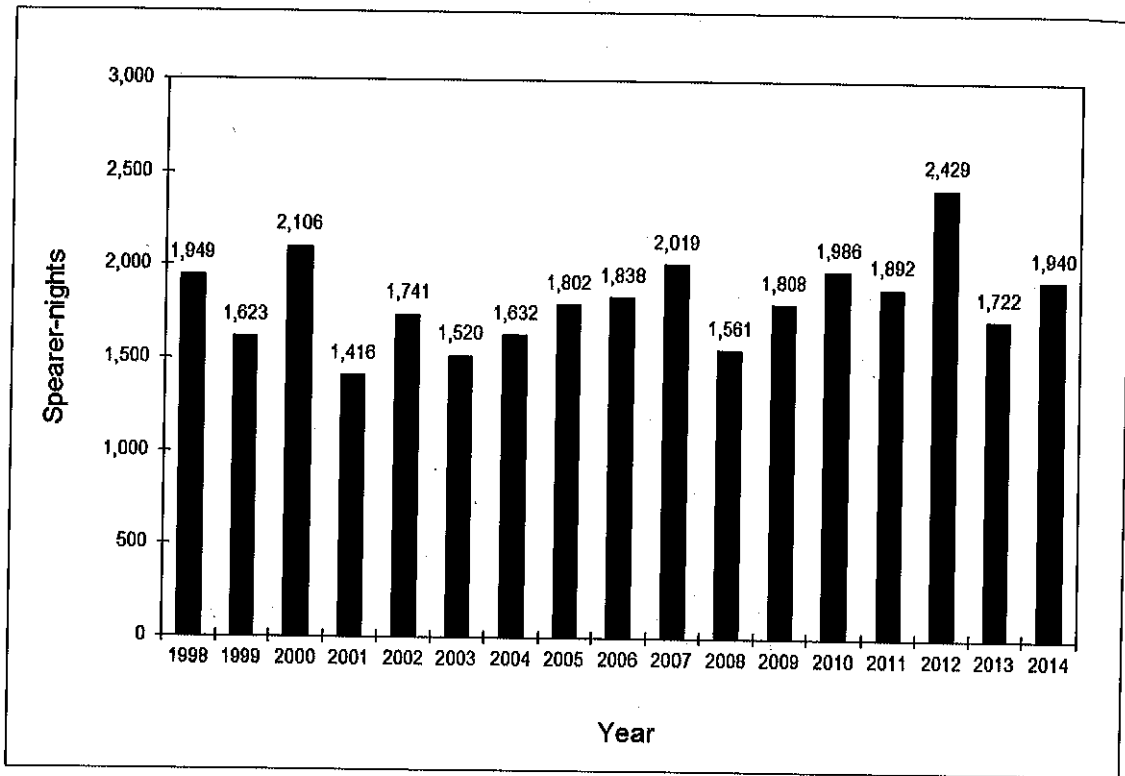
² Includes 2 spearer-nights for two STC members

³ Includes 2 spearer-nights for two LDF members, 2 spearer-nights for two MLK members, 3 spearer-nights for three FDL members and spearer-nights for Mille Lacs tribe for 1997-2004 and 2012.

Excluding permits issued for muskellunge only spearing, a total of 1,940 spearer-nights were recorded during spring 2014 (Table 2, Figure 4, Appendix B). A little more than one-third of this effort (746 spearer-nights) occurred on lakes selected by Lac du Flambeau. Spearer-nights on lakes selected by the other five tribes ranged from 126 at Red Cliff to 332 at Lac Courte Oreilles. Compared to 2013, effort increased by 218 spearer-nights or 13%.

On two muskellunge harvest only waters, an additional 12 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 1998-2014.



Number of Boat-Hours. Excluding muskellunge only effort, an estimated 2,091 boat-hours of effort occurred in 2014 (Table 3, Figure 5, Appendix B). Compared to 2013, the number of boat-hours increased by 23% (388 boat-hours). Over one-third of the effort (774 boat-hours) occurred on lakes selected by Lac du Flambeau. Boat-hours on lakes selected by the other five tribes ranged from 132 at Red Cliff to 413 at Lac Courte Oreilles.

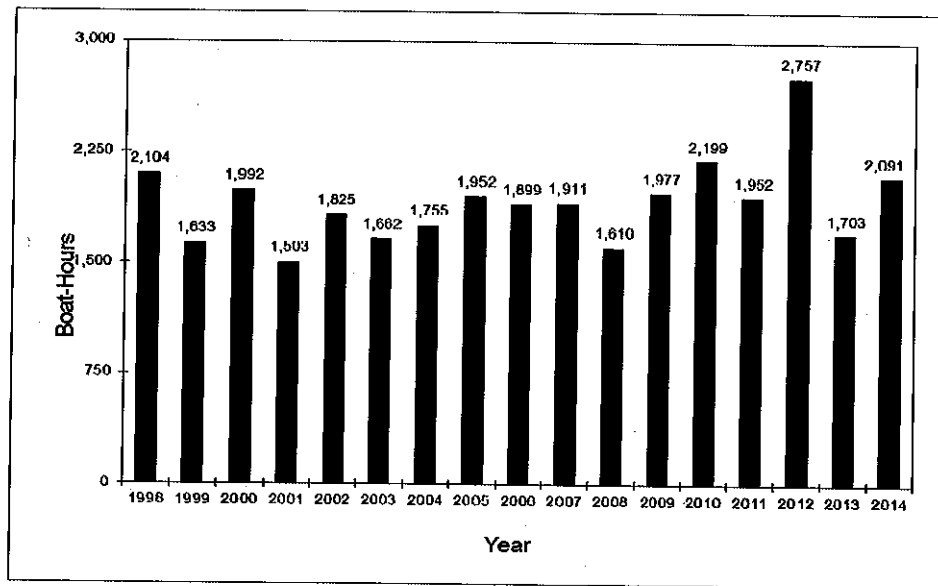
On muskellunge harvest only waters, an additional 7.9 boat-hours of effort occurred (Appendix E). This muskellunge only effort included spearing on one lake with only a muskellunge quota (i.e. no walleye quota) and spearing on one lake with both a walleye and muskellunge quota but after the walleye quota 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 1998-2014.

Year	BRV	LCO	LDF	MLK	RCF	STC ¹	Total:
1998	220	416	650	345	118	355	2,104
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
PERCENT CHANGE: 2013-2014	+56%	+18%	+15%	+47%	+63%	-7%	+23%

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 1998-2014.



For all tribes combined, a total of 860 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 5 interviews were recorded (Appendix E).

Table 4. Number of interviews and average length of spearing trip (in boat-hours) during spring spearing from 1998-2014.

YEAR	AVERAGE LENGTH OF TRIP:						TOTAL
	BRV	LCO	LDF	MLK	RCF	STC ¹	
1998	3.4	2.6	2.2	2.5	2.3	2.2	2.4
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
2014 Boat-hours:	280	413	774	278	132	214	2,091
2014 interviews with effort:	87	154	334	134	51	100	860
2014 interviews without effort:	0	0	0	0	0	0	0

¹Includes effort for Mille Lacs tribe in some years, also includes effort for Fond du Lac in 2014.

Total Harvest

Fourteen taxa of fish were harvested during the 2014 spring spear fishery (Table 5). Of the 28,242 fish taken 97.6% were walleye. Percentages of the total catch for other game fish species were 0.88% for muskellunge, 0.71% for bass, 0.18% for northern pike, and 0.004% for sturgeon. Other species combined (panfish and rough fish) totaled 181 fish and made up the remaining .64% of the harvest.

Table 5. Number of various fish species harvested during spring spearing seasons from 2007-2014.

Species:	2007	2008	2009	2010	2011	2012	2013	2014
Walleye	30,700	27,881	32,201	34,156	29,730	32,311	28,386	27,561
Muskellunge	303	270	238	335	201	343	274	248
Bass Species	11	3	9	23	8	35	35	6
Largemouth Bass	104	109	195	237	82	211	116	138
Smallmouth Bass	89	52	58	113	22	108	55	57
Northern Pike	54	23	49	50	30	71	39	50
Rock Bass	12	2	18	18	5	18	7	11
Crappie	81	83	110	217	151	212	137	63
Sunfish (Bluegill, Pumpkinseed)	23	12	10	72	31	261	54	33
Yellow Perch	21	3	20	1,088	7	3	8	15
Sucker	25	10	19	51	42	52	84	52
Cisco	5	0	3	25	0	0	2	2
Carp	1	0	0	3	1	0	0	0
Bowfin	1	0	14	7	3	13	0	2
Burbot	0	0	2	0	0	11	0	0
Bullhead	1	1	0	232	1	5	3	3
Sturgeon	7	1	1	3	2	4	1	1
Trout	0	0	0	1	0	0	0	0
Whitefish	0	0	0	0	1	16	0	0
TOTAL:	31,438	28,450	32,947	36,631	30,317	33,674	29,201	28,242

Walleye Harvest

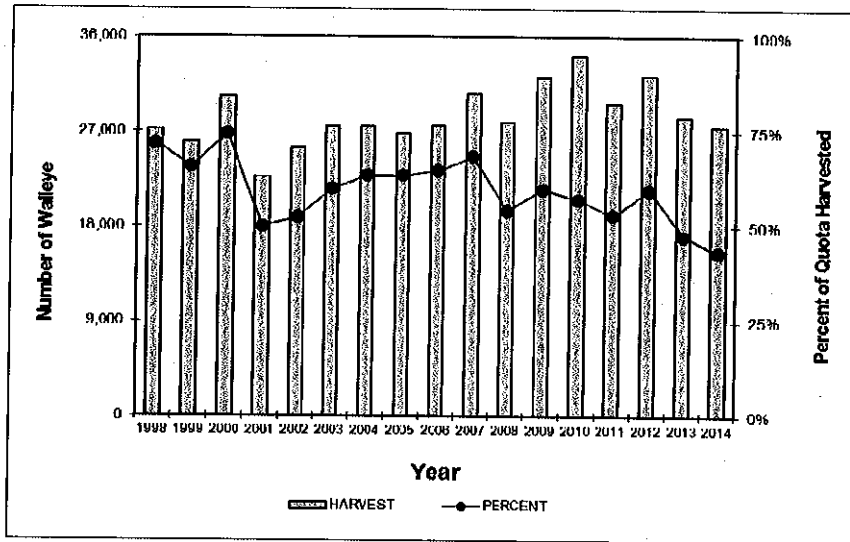
Tribal quotas (TQ) for walleye were selected for 540 lakes and totaled 63,570 walleye (Table 6). The percent of the "safe harvest" selected as tribal quotas for lakes in 2014 ranged from 0.0% (Escanaba Lake, Vilas County) to 94.99% (Butternut Lake in Price County). Two tribes selected the same lake in 12 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 27,561 walleye from 160 lakes (Table 6, Figure 6, Appendix B). Spearfishing occurred in seventeen other lakes with a walleye quota (Clam River Flowage and Little Yellow Lake in Burnett County, Wheeler Lake in Oconto County, Chain Lake, Dog Lake, Rainbow Flowage and Sand Lake in Oneida County, Turner Lake in Price County, Big Round Lake in Polk County, Potato Lake in Rusk County, Tigercat Flowage in Sawyer County, Birch Lake, Little Star Lake, Lower Buckaton Lake, Plum Lake and Tenderfoot Lake in Vilas County, Dunn Lake in Washburn County), but no walleye were harvested. The percent of the total tribal walleye quota harvested was 43%. Tribal quotas were exceeded on 2 lakes by a total of 34 walleye during spring.

Table 6. Number of lakes with a tribal walleye quota, spearfishing effort, and harvest plus percent of overall quota harvested from 1998-2014.

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
1998	37,821	225	27,218	153	152	72%
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%

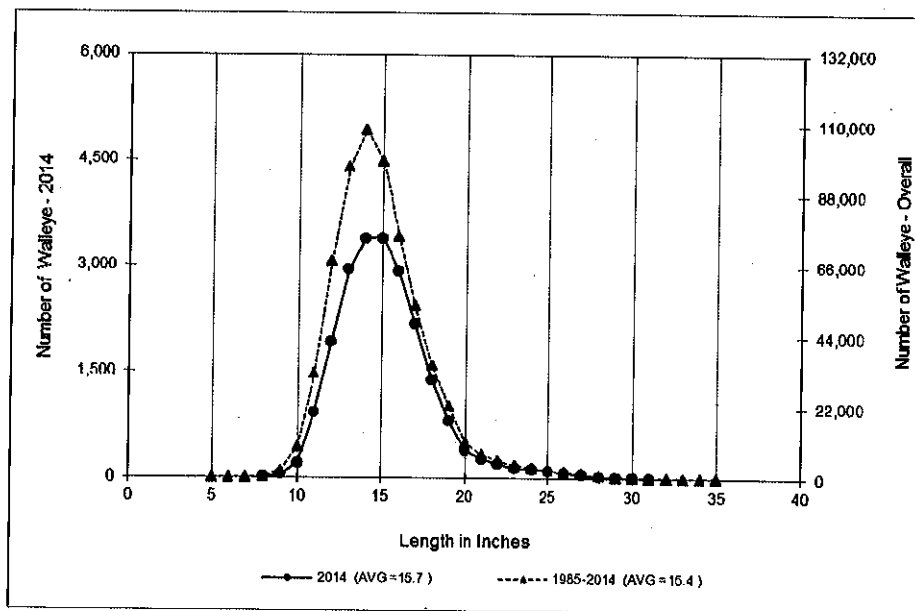
Figure 6. Number of walleye and percent of quota harvested during spring spearing seasons from 1998-2014.



Mean Length. A total of 21,575 walleye (78% of the catch) was measured in 2014 (Appendices C and D). The mean-length was 15.7 inches, which is within the average length range from 1985-2014 (range: 15.0-16.3 inches). Size restrictions were identical during each of these thirty 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 30 spring spearing seasons combined, 84% of the walleye harvest has been measured (640,263 of 760,086 fish) (Figure 7; Appendix D). Average length for this 30-year sample was 15.4 inches. Also, 5.9% of the walleye (38,084 fish) were 20 inches or larger and 1.1% (7,227 fish) were 25 inches or larger.

Figure 7. Length frequency of walleye speared during 2014 and during the thirty year period from 1985-2014.



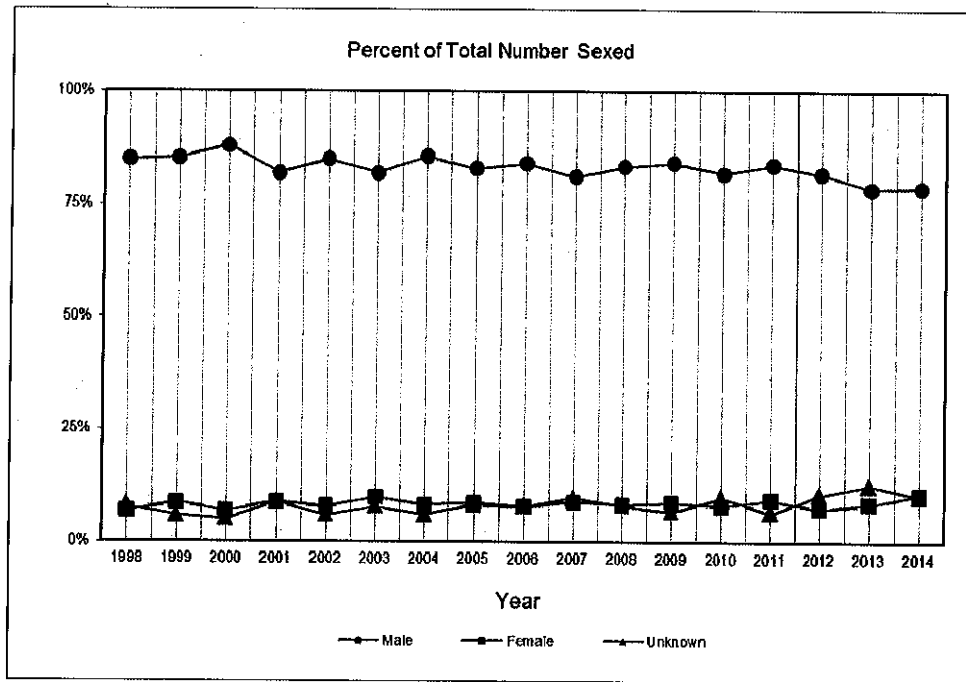
Sex Composition of Catch. The majority of walleye sexed in 2014 were male: 16,877 of 21,399 fish or 79% (Table 7, Appendix C). Females (2,310 fish) comprised 11% of the sexed harvest and those whose sex could not be determined (2,212 fish) made up 10%. Males made up 88% of sexable fish.

For the past 17 spring spearing seasons combined a total of 419,628 walleye have been sexed (Table 7, Figure 8). Of these, 83.2% were male, 8.5% were female, and 8.2% 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 1998-2014.

Year	Total Harvest	Male		Female		Unknown		Total Sexed:	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
1998	27,218	20,604	85%	1,633	7%	1,990	8%	24,227	89%
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%
Total:	484,454	349,340	83.2%	35,850	8.5%	34,442	8.2%	419,632	87%

Figure 8. Sex composition of the walleye harvest during spring spearing seasons from 1998-2014.



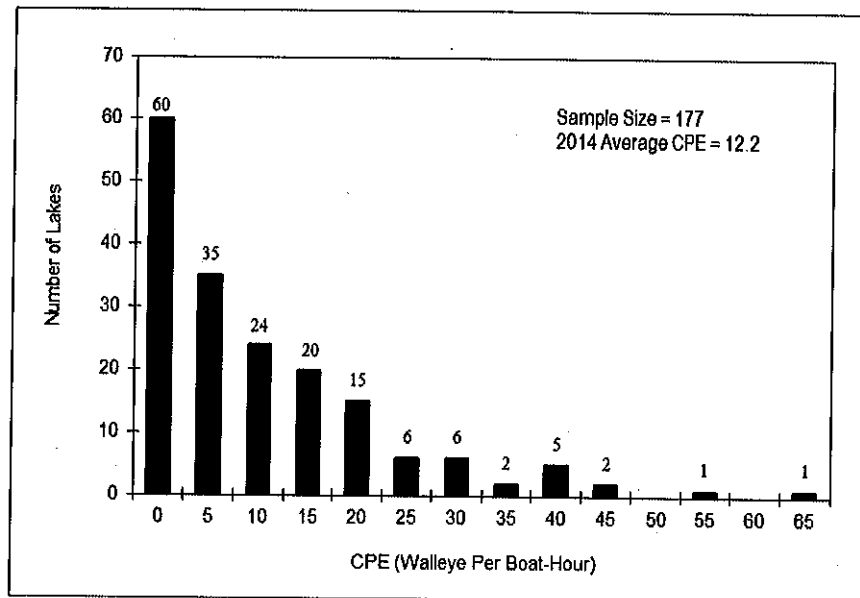
Catch per effort (CPE). In 2014, a total of 2,091 boat-hours of spearing were recorded in which 27,561 walleye were caught. Overall catch per effort (total harvest/total boat-hours) was 13.2 walleye per boat-hour (Appendix B).

Catch rates for the 177 lakes with a walleye quota that were speared in 2014 ranged from 0.0 to 65.0. Catch per effort averaged over individual lakes was 12.2 walleye per boat-hour (Appendix B, Table 8, Figure 9). Boat-hour effort was completely recorded for all lakes in spring 2014.

Table 8. Range and average catch rates in lakes speared during spring spearing seasons from 1998-2014.

Year	Number of Lakes	Range: CPE	Average: CPE
1998	153	0.0 - 76.0	16.2
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

Figure 9. Walleye CPE (number per boat-hour) by lake during the 2014 spring spearing season.



Muskellunge Harvest

A total of 248 muskellunge were taken from 73 lakes during spring 2014 (Table 9, Figure 10, Appendix E). Overall 13.8% of the combined tribal muskellunge quota of 1,799 fish selected for 349 lakes was harvested.

Table 9. Number of lakes with tribal muskellunge quota, harvest, and percent of overall quota harvested from 1998-2014.

Year	Tribal Muskellunge Quota	Number of Lakes with Quota	Number of Lakes with Harvest	Number Harvested	Percent of Quota Harvested
1998	1,381	166	60	271	19.6%
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%

For the 73 lakes with a muskellunge quota and with harvest the number of muskellunge harvested ranged from 1 to 16 fish (Appendix E). Ten or more muskellunge were harvested from 5 lakes, 6-9 muskellunge were taken from 7 lakes, and 1-5 fish were speared in 61 lakes. No muskellunge were speared from the other 276 lakes.

Lengths of the 248 measured muskellunge averaged 39.0 inches and ranged from 28 to 51 inches (Appendix F, Figure 11). During the past thirty spring seasons combined, 7,076 of 7,126 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 2014, 10.1% (25 of 248 muskellunge) were 32 inches and smaller, while 13% (32 fish) were 45 inches and larger. For the 7,076 muskellunge measured from 1985-2014, 1,008 fish or 14.2% of the sample were less than or equal to 32 inches; 670 fish or 9.5% were 45 inches and larger (Appendix F).

The number of muskellunge per spearer averaged 0.47 for all tribes combined (Appendix A, Appendix E). In other words, 47 muskellunge were taken for every 100 spearers.

Figure 10. Number of muskellunge harvested during spring spearing seasons from 1998-2014.

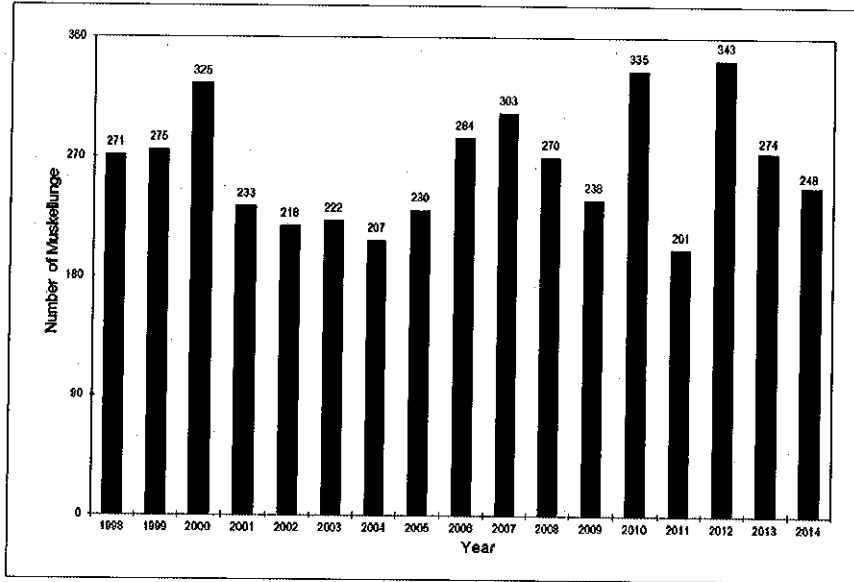
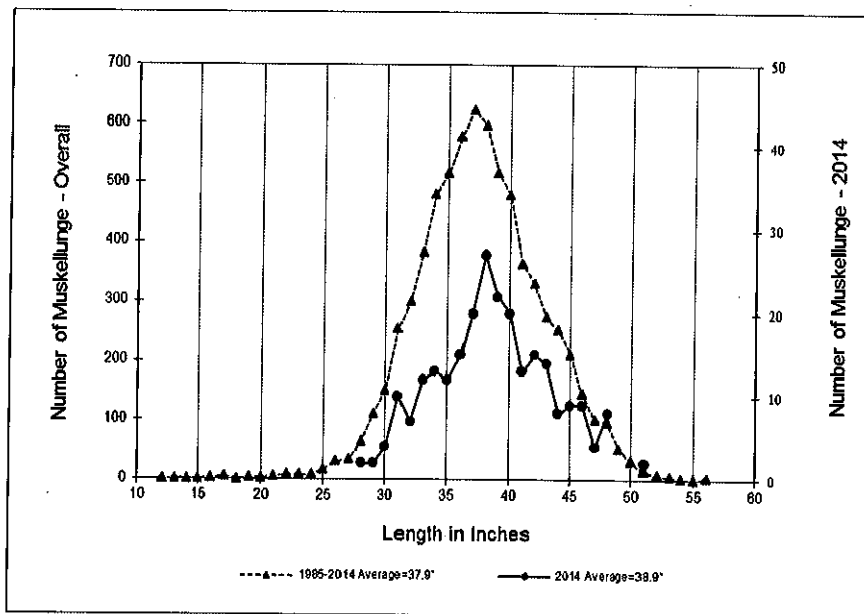


Figure 11. Length-frequency of muskellunge speared during spring 2013 and during the thirty year period 1985-2014.



Bass Harvest

A total of 201 bass were harvested from 38 lakes in 10 counties (Appendix G, Figure 12). Species was recorded for 195 harvested bass. A total of 138 largemouth bass were taken from 26 lakes in 7 counties and averaged 15.6 inches. Ten or more largemouth were speared from 4 lakes, and 5 or less were taken from 22 lakes. The number harvested per surface acre averaged 0.0050 largemouth bass (range: 0.0001-0.0230).

A total of 57 smallmouth bass were speared from 15 lakes in 7 counties. Average length was 16.2 inches. Ten or more smallmouth were speared from 2 lakes, 6-9 fish were taken from 2 lakes, and 5 or less fish were taken from 11 lakes. The number harvested per surface acre averaged 0.0039 smallmouth bass (range: 0.0004-0.0084).

A total of 6 bass were speared from 5 lakes in 5 counties. Average length was 17.1 inches. The number harvested per surface acre averaged 0.0038 bass (range: 0.0017-0.0078).

Lengths of the 180 measured bass ranged from 6.1-25.6 inches and averaged 15.8 inches (Figure 13, Appendix H). Of the 5,614 bass speared during the thirty spearing seasons combined, 5,386 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 0.34.

Figure 12. Number of bass harvested during spring spearing seasons from 1998-2014.

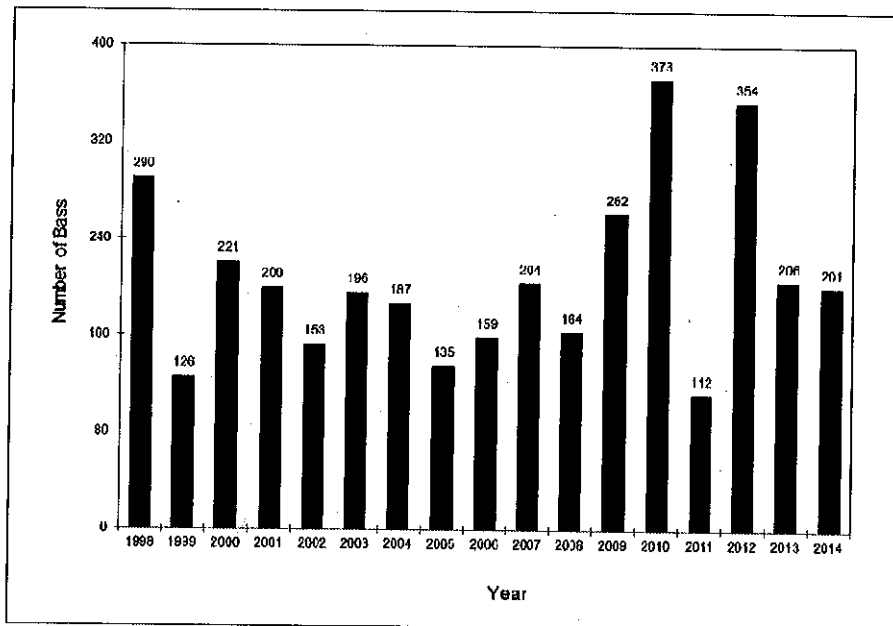
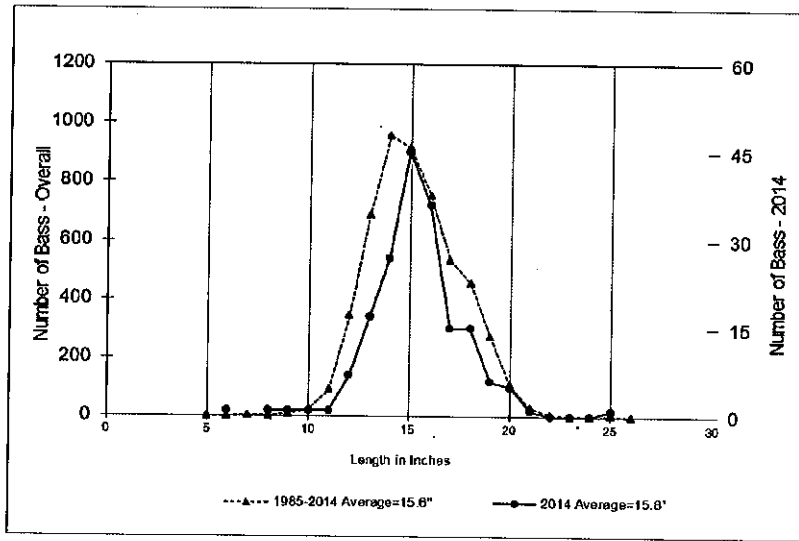


Figure 13. Length-frequency for bass taken during 2014 and during the thirty year period 1985-2014.



Northern Pike Harvest

A total of 50 northern pike were harvested from 25 lakes in 8 counties (Appendix G, Figure 14). Six or more fish were taken from 2 lakes, 5 or less fish were taken from 23 lakes. Catch per surface acre of water averaged 0.0023 (range: 0.0004-0.1000).

Lengths of the 42 measured northern pike ranged from 19.9 to 37.8 inches and averaged 27.5 inches (Appendix I, Figure 15). During the thirty spring seasons combined a total of 1,052 northern pike have been speared (Appendix I). Of these, 968 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 1998-2014.

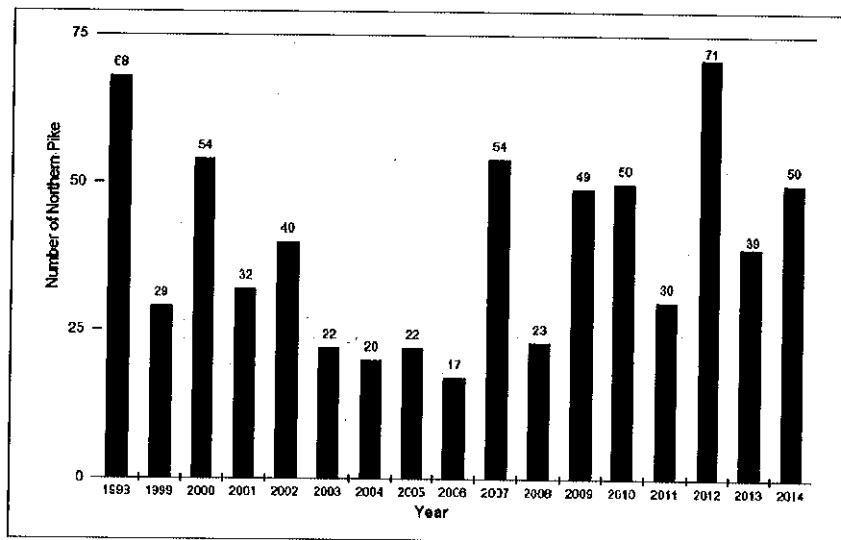
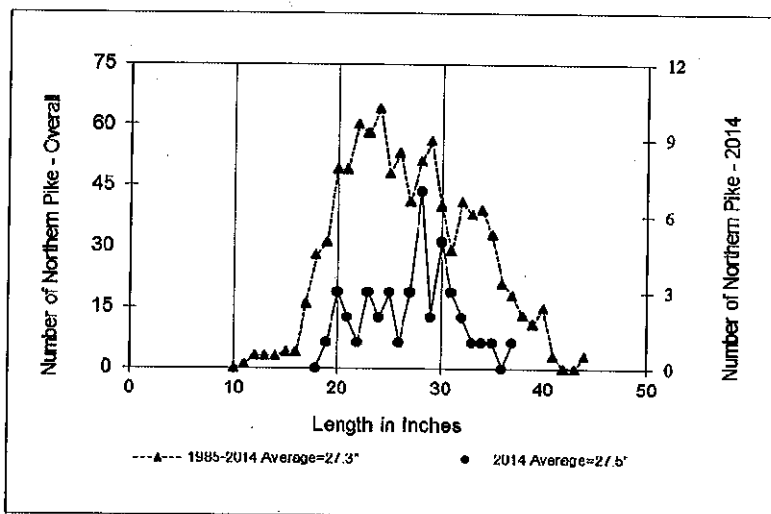


Figure 15. Length frequency of northern pike speared during 2014 and during the thirty year period from 1985-2014.



Sturgeon Harvest

One sturgeon was speared from Yellow Lake (Burnett County) on May 10, 2014 by a LDF member. Length of the unknown sex sturgeon was 48 inches.

River Segment Spearing

One river segment was named for spearing during spring 2014. Segment 23, Wolf River (Langlade County), was named on April 26 and April 27. No effort occurred on April 26. On April 27, two LDF members speared for 1.92 hours and 7 walleye were harvested.

River Segment and Lake Fyke Netting

During spring 2014, fyke netting occurred in four waters and 61 fish including 13 walleye were harvested (Table 10). A single fyke net fished for two nights in each of two river segments and a total of 50 fish, including 11 walleye were harvested. Also, a single fyke net fished for 5 nights in the Rhinelander Flowage (Oneida County) and for 2 nights in Little Arbor Vitae Lake (Vilas County). A total of 11 fish including 2 walleye were harvested.

Gill Netting

After June 1, 2014 gill nets were set in four lakes on six different dates (Table 11). A total of 540 fish were harvested including 115 walleye and 6 muskellunge.

Fall Spearing

During fall 2014, spearing occurred in three waters (Table 10). A total of 29 walleye and 1 crappie were harvested.

Table 10. Effort and harvest during spring fyke netting and fall spearing in 2014.

Fyke Netting							Fall Spearing		
Date	April 13, 2014	April 19, 2014	April 26, 2014	April 27, 2014	April 23-27, 2014	May 13-14, 2014	August 13, 2014	Sept. 23, 2014	Sept. 24, 2014
Tribe	MLK	MLK	LDF	LDF	MLK	LDF	LDF	LDF	LDF
Waterbody	River Seg. 19 Wisconsin River	River Seg. 19 Wisconsin River	River Seg. 23 Wolf River	River Seg. 23 Wolf River	Rhinelander Flowage	Little Arbor Vitae Lake	Little Trout Lake	Ballard Lake	Turtle-Flambeau Flowage
County	Oneida	Oneida	Langlade	Langlade	Oneida	Vilas	Vilas	Vilas	Iron
Method	Fyke net	Fyke net	Fyke net	Fyke net	Fyke net	Fyke net	Spear	Spear	Spear
Effort	One net	One net	One net	One net	1 net/day	1 net/day	1.0 hr.	2.83 hrs.	1.43 hrs.
Number of members	1	1	1	1	1	1	3	3	3
Quota	60/day	60/day	60/day	60/day	397	27	99	132	218
Walleye		11			1	1	7	22	0
Quota Balance		49			396	26	92	110	218
Crappie						2		1	
Bluegill				1					
Yellow Perch		1			4	1			
Sucker		37							
Pumpkinseed					2				

Table 11. Gill Net effort and harvest after June 1, 2014.

Gill Net harvest After Spring						
Date	June 13, 2014	October 5, 2014	October 6, 2014	October 7, 2014	October 8, 2014	November 2, 2014
Tribe	STC	STC	STC	STC	STC	LCO
Lake	Big Round	Shell	Shell	Yellow	Yellow	Chetac
County	Oneida	Washburn	Washburn	Burnett	Burnett	Sawyer
# of Nets (Permits)	3	7	4	5	11	6
Net Length	100'/net	100'/net	100'/net	100'/net	100'/net	100'/net
Net Mesh Size	3.5	3.0 3.5	3.0 3.5	3.5	3.5	3.5
Number of members	2	3	2	3	4	4
Walleye Declaration Balance*	97	74 56	42 24	629	616	577
Walleye Harvest	1	32	36	13	11	22
Adjusted Declaration Balance	96	42 24	6 -12	616	605	555
Muskellunge Quota		2	2	15	13	
Muskellunge Harvest				2	4	
Quota Balance	No quota	2	2	13	9	No quota
Largemouth Bass	4					
Northern Pike		16	13	1	4	42
Rockbass		18	3	1	4	
Crappie		19	5	66	89	5
Bluegill	1	5	8	1		6
Whitefish					1	
Sucker		16	7	2	5	6
Smallmouth Bass		51	5			1
Bullhead	5				1	6
Pumpkinseed		2				

*Walleye declaration balance after spring spearing - only 3.5" mesh could be used in Big Round, Yellow and Chetac lakes. Both 3.0" and 3.5" mesh could be used in Shell Lake but the declaration balance would be reduced if 3.5" mesh were used. The net mesh used in Shell Lake was 3.5" but the number of feet of net that could be set was based on the declaration balance for 3.0" mesh. As a result, the declaration balance for 3.5" mesh was exceeded.

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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 2014 spring spear fishery.

Number Of Nights	Number of Spearers						Total Spearers per # of Nights	Percent of Total	Cumulative Percent
	BRV ¹	LCO ²	LDF	MLK	RCF	STC ³			
1	38	36	49	24	35	21	203	38.6%	38.6%
2	12	26	20	9	9	7	83	15.8%	54.4%
3	7	16	27	6	5	8	69	13.1%	67.5%
4	5	9	11	14	3	3	45	8.6%	76.0%
5	3	4	14	7		4	32	6.1%	82.1%
6	3	7	21	7	2	1	41	7.8%	89.9%
7	1	2	12	2	1	1	19	3.6%	93.5%
8	1	3	4		1	6	15	2.9%	96.4%
9		1	3				4	0.8%	97.1%
10	1	2	1			2	6	1.1%	98.3%
11			1			1	2	0.4%	98.7%
13			1			1	2	0.4%	99.0%
15				2			2	0.4%	99.4%
17			2				2	0.4%	99.8%
19			1				1	0.2%	100.0%
Total Spearers per Tribe	71	106	167	71	56	55	526	100%	100%

¹ Includes 1 LCO member.

² Includes 3 STC members.

³ Includes 7 members from other tribes: 2 from LDF, 2 from MLK, and 3 from FDL.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2014. 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												May												Total Harvest	Quota Balance	Boat-Hour	CPE
		24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
Number of lakes:		1	.1	5	5	7	8	9	12	15	22	24	32	39	38	40	40	40	43	38	38	33							
Number of walleye:	63,570	263	61	237	23	6	49	79	204	400	509	1,079	2,144	2,465	2,143	1,209	3,594	5,337	2,991	1,882	1,204	416							
Number of spearer-nights:		13	3	16	9	1	8	26	39	49	63	74	117	166	129	82	232	276	175	118	81	71							
Number of interviews with effort:		6	1	9	4	1	3	12	18	24	28	33	53	72	58	36	97	111	75	54	41	28							
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							
Number of boat-hours:		6.7	3.3	24.0	7.3	4.3	6.5	19.2	53.0	64.6	84.6	102.1	162.9	187.4	112.8	70.2	212.4	311.7	178.8	100.3	87.6	54.6							
Catch-per-effort:		39.2	18.3	9.9	3.1	1.4	7.5	4.1	3.8	6.2	6.0	10.6	13.2	13.2	19.0	17.2	16.9	17.1	16.7	18.8	13.7	7.6							

Six Tribal Bands Combined:	Tribal Quota																									Total Harvest	Quota Balance	Boat-Hour	CPE
		15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31											
Number of lakes:		34	40	41	37	32	38	32	30	32	19	18	0	17	17	18	1	1	899										
Number of walleye:	63,570	224	299	369	132	3	33	55	16	54	28	16	0	0	0	4	32	1	27,561	36,009									
Number of spearer-nights:		23	38	37	21	3	23	5	6	21	6	3	0	0	0	2	2	2	1,940										
Number of interviews with effort:		10	20	17	9	2	11	3	5	10	4	2	0	0	0	1	1	1	860										
Number of interviews without effort:		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
Number of boat-hours:		21.7	48.7	48.4	22.8	8.5	28.6	13.3	7.7	19.8	7.6	4.9	0.0	0.0	0.0	1.4	2.0	1.0		2,090.7									
Catch-per-effort:		10.3	6.1	7.6	5.8	0.4	1.2	4.1	2.1	2.7	3.7	3.3	*	*	*	2.8	15.9	1.0				13.2							

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2014. 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	Sokaogon (Mole Lake)	Area (acres)	2014 Quota Balance	2014 Tribal Quota	May 5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total Harvest	Boat-Hour	Spear CPE		
																																			1	2
ASHLAND	L GALILEE	213	0	1																												1	0.9	1.1		
FLORENCE	EMILY L	191	13	13												1																	0		*	
FLORENCE	FAY L	282	23	23																													0		*	
FLORENCE	FISHER L	54	3	3																												0		*		
FLORENCE	HALSEY L	512	76	76																												0		*		
FLORENCE	KEYES L	210	8	8																												0		*		
FLORENCE	PATTEN L	255	37	80																												0		*		
FLORENCE	PINE R FL	127	40	40																												43	2.8	15.2		
FLORENCE	SEA LION L	125	3	3																												0		*		
FLORENCE	ARBUTUS L	161	17	17																												0		*		
FLORENCE	BIRCH L	468	145	145																												0		*		
FLORENCE	BUTTERNUT L	1,282	3	494																												401	**	90		*
FLORENCE	FRANKLIN L	892	27	27																												0		*		
FLORENCE	GROUND HEMLACK L	88	10	10																												0		*		
FLORENCE	HOWELL L	177	56	56																												0		*		
FLORENCE	JUNGLER L	182	68	68																												0		*		
FLORENCE	KING L	33	11	11																												0		*		
FLORENCE	L LUCERNE	1,026	207	218																												6	**	0		*
FLORENCE	L METONGA	1,991	0	137																												1,012	74		*	
FLORENCE	LILY L	211	0	137																												0		*		
FLORENCE	PINE L	1,670	157	157																												0		*		
FLORENCE	RANGE LINE L	82	10	10																												0		*		
FLORENCE	ROBERTS L	414	0	44																												44		*		
FLORENCE	SILVER L	320	7	11																												**	0		*	
FLORENCE	STEVENS L	297	0	32																												4		*		
FLORENCE	TRUMP L	172	19	19																													0		*	
LANGLADE	BIG TWIN L	60	3	3																												0		*		
LANGLADE	DUCK L	123	5	5																												0		*		
LANGLADE	ENTERPRISE L	505	58	110																												41	11	**	*	
LANGLADE	GOTO L	28	2	2																												0		*		
LANGLADE	JESSIE L	35	2	2																												0		*		
LANGLADE	LAWRENCE L	50	3	3																												0		*		
LANGLADE	MOCCASIN L	110	12	12																												0		*		
LANGLADE	MUELLER L	88	10	10																												0		*		
LANGLADE	OTTER L	83	0	27																												27	27		*	
LANGLADE	PICKEREL L	1,256	22	22																												0		*		
LANGLADE	ROLLING STONE L	672	16	16																												0		*		
LANGLADE	ROSE L	112	0	25																												**	25		*	
LANGLADE	SAWYER L	149	0	34																												30		*		
LANGLADE	SUMMIT L	282	9	9																												0		*		
LANGLADE	UPPER POST L	757	76	76																												0		*		
LANGLADE	WHITE L	166	6	6																												0		*		
LINCOLN	ALEXANDER L	677	208	208																												0		*		
LINCOLN	DEER L	152	50	50																												0		*		
MARATHON	BIG EAU PLEINE RESERVOIR	6,830	1,526	1,526																												0		*		
MARINETTE	BIG NEWTON L	68	22	22																												0		*		
MARINETTE	CALDRON FALLS RESERVOIR	1,018	20	20																												0		*		
MARINETTE	HIGH FALLS RESERVOIR	1,498	447	447																												0		*		
MARINETTE	HILBERT L	247	26	27																												0		*		
MARINETTE	JOHNSON FALLS FL	68	22	22																												1	1.0	1.0	*	
MARINETTE	LITTLE NEWTON L	60	19	19																												0		*		
MARINETTE	ONEONTA L	66	4	4																												0		*		

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2014. 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	Sokaogon (Mole Lake)	Area (acres)	2014		2014 Tribal Quota	May	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total Harvest	Boat-Hour	Spear CPE			
			Quota Balance	Balance																																		
MARINETTE	SANDSTONE FL	153	24	24																																		
OCONTO	ARCHIBALD L	393	42	42																																		*
OCONTO	BASS L	142	45	45																																	*	
OCONTO	BEAR L	78	4	4																																	*	
OCONTO	BOOT L	235	74	74																																	*	
OCONTO	CROOKED L	143	5	5																																	*	
OCONTO	HORN L	132	5	5																																	*	
OCONTO	JOHN L	104	5	5																																	*	
OCONTO	MAIDEN L	290	10	10																																	*	
OCONTO	MUNGER L	97	5	5																																	*	
OCONTO	TOWNSEND FL	476	13	13																																	*	
OCONTO	WAUBEE L	124	5	5																																	*	
OCONTO	WHEELER L	293	92	92																																	*	
ONEIDA	ALDRIDGE L	134	43	43									0																								*	
ONEIDA	BAKER L	42	14	14																																	0.0	
ONEIDA	BASS L	124	39	39																																*		
ONEIDA	BEAR L	312	33	33																																*		
ONEIDA	BIG BEAR L	690	149	149																																*		
ONEIDA	BIG L	865	0	263	148					**	115																										*	
ONEIDA	BIG STONE L	548	169	169						**	**																							263	18.3	14.3	*	
ONEIDA	BIRD L	99	32	32																																	*	
ONEIDA	BOLGER L	119	14	14																																	*	
ONEIDA	BROWN L	98	5	5																																	*	
ONEIDA	BUFFALO L	104	33	33																																	*	
ONEIDA	BURROWS L	156	6	6																																	*	
ONEIDA	CLEAR L	36	2	2																																	*	
ONEIDA	CLEAR L	30	10	10																																	*	
ONEIDA	CLEAR L	62	20	20																																	*	
ONEIDA	CRESCENT L	612	8	188																																	*	
ONEIDA	CROOKED L	176	7	7																															180	3.0	59.2	*
ONEIDA	CUNARD L	43	14	14																																*		
ONEIDA	CURRIE L	96	31	31																																	*	
ONEIDA	DEER L	177	56	56																																	*	
ONEIDA	DIAMOND L	124	39	39																																	*	
ONEIDA	DOG L	37	2	2																																	*	
ONEIDA	DOG L	216	68	68		**	0																														*	
ONEIDA	ECHO L	107	34	84																																	2.1	0.0
ONEIDA	FISH L	70	22	22																																	*	
ONEIDA	FOURMILE L	218	69	69																																	*	
ONEIDA	FRANKLIN L	161	18	18																																	*	
ONEIDA	FULLER L	101	5	5																																	*	
ONEIDA	GARTH L	114	37	37																																	*	
ONEIDA	GEORGE L	435	0	135																																	*	
ONEIDA	HANCOCK L	259	9	9																																135	6.7	20.1
ONEIDA	HEMLOCK L	39	12	12																																	*	
ONEIDA	HILL L	30	2	2																																	*	
ONEIDA	HUXON L	50	3	3																																	*	
ONEIDA	HODSTRAOT L	126	5	5																																	*	
ONEIDA	ISLAND L	235	93	93																																	*	
ONEIDA	JENNIE WEBBER L	226	25	25																																	*	
ONEIDA	JULIA L (THREE LAKES)	401	125	125																																	*	
ONEIDA	KATE PIER L	34	11	11																																	*	
ONEIDA	KILLARNEY L	421	11	11																																	*	

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2014. Also, balance of quota, number of boat-hours, catch per effort (CPE - walleye per boat-hour), number of spear-nights, number of interviews with effort, and number of interviews without effort.

County	Sokaogon (Mole Lake)	Area (acres)	2014 Quota Balance	2014 Tribal Quota	May	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total Harvest	Boat-Hour	Spear CPE			
ONEIDA	L JULIA (RHINELANDER)	238	38	38																													0		*		
ONEIDA	L SEVENTEEN	172	19	19																														0		*	
ONEIDA	LAUREL	232	73	73																														0		*	
ONEIDA	LITTLE BEARSKIN L	164	6	6																														0		*	
ONEIDA	LITTLE CARR L	52	3	3																														0		*	
ONEIDA	LITTLE FORK L	354	78	78																														0		*	
ONEIDA	LONE STONE L	172	6	6																														0		*	
ONEIDA	LONG L	113	36	36																														0		*	
ONEIDA	LONG L	620	191	191																														0		*	
ONEIDA	LONG L	56	18	18																														0		*	
ONEIDA	LONG L	155	50	50																														0		*	
ONEIDA	LOST L	187	21	21																														0		*	
ONEIDA	LOWER KAUBASHINE L	49	16	16																														0		*	
ONEIDA	LUMEN L	144	6	6																														0		*	
ONEIDA	MAPLE L	88	28	28																														0		*	
ONEIDA	MARGARET L	41	13	13																														0		*	
ONEIDA	MARS L	118	13	13																														0		*	
ONEIDA	MCCORMICK L	215	8	8																														0		*	
ONEIDA	MID L	191	7	7																														0		*	
ONEIDA	MILDRED L	95	31	31																														0		*	
ONEIDA	MOCASIN L	460	48	48																														0		*	
ONEIDA	MOEN L	41	13	13																														0		*	
ONEIDA	MUD L	124	5	5																														0		*	
ONEIDA	MUSKIE L	43	2	2																														0		*	
ONEIDA	N TWO L	146	47	47																														0		*	
ONEIDA	OATMEAL L	97	5	5																														0		*	
ONEIDA	PARADISE L	89	11	11																														0		*	
ONEIDA	PELICAN L	3,985	111	727			478	103	19	**														14								616	52.6	11.7		*	
ONEIDA	PIER L	257	28	28																														0		*	
ONEIDA	PINE L	203	64	64																														0		*	
ONEIDA	PLANTING GROUND L	1,012	209	216						7																								0		*	
ONEIDA	PRAIRIE L	58	19	19																														0		*	
ONEIDA	RANGE LINE L	123	39	39																														0		*	
ONEIDA	RHINELANDER FL	1,826	397	397																														0		*	
ONEIDA	ROCKY RUN FL	96	31	31																														0		*	
ONEIDA	ROUND L	150	48	48																														0		*	
ONEIDA	S PINE L	77	25	25																														0		*	
ONEIDA	S TWO L	214	67	67																														0		*	
ONEIDA	SECOND L	111	36	36																														0		*	
ONEIDA	SEVENMILE L	503	52	52																														0		*	
ONEIDA	SHEPARD L	179	7	7																														0		*	
ONEIDA	SKUNK L	130	42	42																														0		*	
ONEIDA	SOO L	135	43	43																														0		*	
ONEIDA	SPIDER L	118	53	53																														0		*	
ONEIDA	SPIRIT L	368	129	129																														0		*	
ONEIDA	SQUASH L	396	49	49																														0		*	
ONEIDA	STELLA L	405	11	11									38	**																			98	3.3	11.7		*
ONEIDA	STONE L	248	79	79																														0		*	
ONEIDA	SUNDAY L	88	4	4																														0		*	
ONEIDA	SUNSET L	33	11	11																														0		*	
ONEIDA	SWAMP L	296	10	10																														0		*	
ONEIDA	TAMARACK L	99	32	32																														0		*	
ONEIDA	THIRD L	103	33	33																														0		*	

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2014. 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	Sotaogon (Mole Lake)	Area (acres)	2014		2014		2014														Total Harvest	Boat Hour	Spear CPE														
			Quota Balance	Tribal Quota	May	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				20	21	22	23	24	25	26	27	28	29	30	31		
ONEIDA	THUNDER L	172	55	55																													0		*		
ONEIDA	TIM LYNN L	84	27	27																													0		*		
ONEIDA	TOM DOYLE L	102	11	11																														0		*	
ONEIDA	TOWNLIN L	152	49	49																																*	
ONEIDA	TURTLE L	53	3	3																																*	
ONEIDA	VENUS L	65	21	21																																*	
ONEIDA	VIRGIN L	276	97	97																																*	
ONEIDA	W HORSEHEAD L	145	6	6																																*	
ONEIDA	WALTERS L	61	20	20																																*	
ONEIDA	WHITEFISH L	205	7	7																																*	
ONEIDA	WILDWOOD L	28	3	3																																*	
ONEIDA	WILLOW L	395	11	11																																*	
VILAS	BIG SAND L	1,408	68	68																																*	
VILAS	CATFISH L	1,012	324	324																																	*
VILAS	CRANBERRY L	956	5	5																																	*
VILAS	KENTUCK L	957	123	123																																	*
VILAS	LAC VIEUX DESERT	4,300	212	285																																	*
VILAS	LONG L	872	117	448																																	*
VILAS	TWIN L CHAIN	3,430	0	1,485																																	*
Number of lakes:			178																																		
Number of walleye:			8,728	14,614																																	
Number of spearer-nights: (# of permits)																																					
Number of interviews with effort:																																					
Number of interviews without effort:																																					
Number of boat-hours:																																					
Catch-per-effort:																																					
Number of lakes:			178																																		
Number of walleye:			8,728	14,614																																	
Number of spearer-nights: (# of permits)																																					
Number of interviews with effort:																																					
Number of interviews without effort:																																					
Number of boat-hours:																																					
Catch-per-effort:																																					

* Lakes not speared during spring 2014
 ** Lakes open for spearing-but no effort

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2014. 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)	2014 Quota Balance	2014 Tribal Quota	May	2014																				Total Harvest	Boat-Hour	Spears CPE
						6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
ASHLAND	L GALILEE	213	1	1														**	**	**	**	**	**	0	*			
BAYFIELD	ATKINS L	176	56	56									**	**	**	**	**	**	**	**	**	**	**	0	*			
BAYFIELD	BLADDER L	81	26	26									**	**	**	**	**	**	**	**	**	**	**	0	*			
BAYFIELD	DIAMOND L	341	0	13									**	**	**	**	**	**	**	**	**	**	13	2.8	4.7			
BAYFIELD	L OWEN	1,323	24	63									**	**	**	**	**	**	**	**	**	**	39	8.5	4.6			
BAYFIELD	LONG L	263	28	28									**	**	**	**	**	**	**	**	**	**	0	*				
BAYFIELD	MIDDLE EAU CLAIRE L	902	0	186	36	24	**	30	96														186	12.0	15.5			
BAYFIELD	NAMEKAGON L	3,227	279	466					121	**	3	4	20	**	**	**	**	**	**	**	**	**	**	187	45.2	4.1		
BAYFIELD	PIKE L CHAIN	714	2	219				**	99	40	78		**	**	**	**	**	**	**	**	**	**	217	16.8	13.0			
BAYFIELD	UPPER EAU CLAIRE L	996	0	301				40	146	74													301	16.3	18.5			
DOUGLAS	AMNICON L	426	131	133						**	**	**	**	2	**	**	**	**	**	**	**	**	2	2.5	0.8			
DOUGLAS	L MINNESUING	432	67	67						**	**	**	**	**	**	**	**	**	**	**	**	**	0	*				
DOUGLAS	L NEBAGAMON	914	277	277									**	**	**	**	**	**	**	**	**	**	0	*				
DOUGLAS	LOWER EAU CLAIRE L	802	166	244	37			0	16	**	**	19	**	**	**	**	**	**	**	**	**	6	78	18.3	4.3			
DOUGLAS	UPPER ST CROIX L	855	85	85									**	**	**	**	**	**	**	**	**	**	0	*				
IRON	PINE L	312	49	49									**	**	**	**	**	**	**	**	**	**	0	*				
SAWYER	NELSON L	2,503	101	113	10	2	**		**	**	**	**	**	**	**	**	**	**	**	**	**	**	0	*				
WASHBURN	MINONG FL	1,564	232	232									**	**	**	**	**	**	**	**	**	**	12	9.5	1.3			
													**	**	**	**	**	**	**	**	**	**	0	*				
Number of lakes:		18			3	3	5	3	6	5	5	5	5	5	16	16	16	16	15	15	14	14	0	0				
Number of walleye:			1,524	2,559	83	66	41	275	347	78	3	23	20	2	11	59	21	0	0	0	6	0	0	1,035				
Number of spearer-nights: (# of permits)					15	7	4	22	24	4	3	3	19	2	4	9	6	0	3	0	1	0	0	126				
Number of interviews with effort:					7	3	2	9	11	2	1	2	5	1	1	3	2	0	1	0	1	0	0	51				
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				
Number of boat-hours:					19.0	6.5	3.0	22.0	34.9	2.5	2.0	5.3	10.0	2.5	3.0	12.0	5.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0				
Catch-per-effort:					4.4	10.2	13.7	12.5	9.9	31.2	1.5	4.3	2.0	0.8	3.7	4.9	4.2	*	0.0	*	3.0	*	*	*	7.9			

* Lakes not speared during spring 2014
 ** Lakes open for spearing but no effort.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2014. 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)	2014 Quota Balance	2014 Tribal Quota	2014												Total Harvest	Boat-Hour	Spear CPE															
					1	2	3	4	5	6	7	8	9	10	11	12				13	14	15	16	17										
POLK	BIG ROUND L	1,015	97	97																							0	10.6	0.0					
POLK	HALF MOON L	579	1	23																							22	3.5	6.3					
POLK	INDIANHEAD FL	776	237	237																							0		*					
POLK	N PIPE L	58	19	19																							0		*					
POLK	PIPE L	284	31	31																							0		*					
POLK	SAND L	187	7	7																							0		*					
POLK	WAPOGASSET L	1,186	61	115																							0		*					
SAWYER	SISSABAGAMA L	719	0	110																							54	12.7	4.3					
ST CROIX	CEDAR L	1,100	0	324	263	61							110														110	1.8	60.1					
WASHBURN	BALSAM L	295	33	93																							60	5.9	10.2					
WASHBURN	BASS L	130	39	42																							3	2.0	1.5					
WASHBURN	BASS-PATTERSON L	188	22	109																							87	6.8	12.8					
WASHBURN	BIG BASS L	203	22	22																							0		*					
WASHBURN	DUNN L	193	62	62																							0		*					
WASHBURN	L NANCY	772	73	78																							0	1.0	0.0					
WASHBURN	LONG L	3,290	0	316																							5	5.5	0.9					
WASHBURN	MIDDLE MCKENZIE L	530	29	55																							316	16.5	19.2					
WASHBURN	MINONG FL	1,564	232	232																							26	10.0	2.6					
WASHBURN	SHELL L	2,580	74	164																							0		*					
Number of lakes:		63																									90		3.4					
Number of walleye:			4,068	5,827																														
Number of spearer-nights: (# of permits)					1	1	0	1	0	1	0	1	4	4	4	5	6	5	5	5	5	7	6	7	5	5	5	4	5	0				
Number of interviews with effort:					263	61	0	0	0	0	0	0	49	39	29	29	59	62	253	358	224	17	0	16	138	84	15	29	24	39	0	0	1,759	
Number of interviews without effort:																																		
Number of boat-hours:																																		
Catch-per-effort:																																		

* Lakes not speared during spring 2014
 ** Lakes open for spearing but no effort.

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2014. Data arranged alphabetically by tribe, county, and lake.

Bad River		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
County	Lake																													
ASHLAND	L GALILEE								1														1	1	15.0	15.0	1			1
BAYFIELD	L OWEN						3	5	8	8	10	11	7	2	4			1	1				60	60	1,058.3	17.6	52	8		60
BAYFIELD	NAMEKAGON L			3	18	40	106	93	106	48	29	10	4	2	3	3			1				466	466	6,902.7	14.8	428	35	2	465
CHIPPEWA	L WISSOTA	1	8	23	32	43	44	31	10	5	3												200	200	2,754.9	13.8	187	7	6	200
CHIPPEWA	LONG L			1	10	32	38	45	47	46	28	15	3	1	4						1		269	269	4,086.0	15.2	240	15	5	260
DOUGLAS	WHITEFISH L					2	4	1	5	10	8	5	1	5	1	4	3						51	51	922.0	18.1	8	14	29	51
IRON	TRUDEL			1	15	38	17	27	15	8	4	5	1										131	131	1,816.4	13.9	112	18		130
IRON	TURTLE-FLAMBEAU FL	1	4	15	11	6	2	3						1									43	43	539.9	12.6	38	5	5	43
PRICE	SOLBERG L			2	21	39	23	28	44	24	10	5	2	1		1							200	200	2,888.1	14.4	186	11	1	198
SAWYER	CONNORS L				3	8	19	22	17	8	2	3	3	2	2	1			2		1		93	93	1,454.1	15.4	49	10	30	89
SAWYER	EVERGREEN L				1	5	5	3	2	1		1						1					19	19	274.4	14.4	15	2	2	19
SAWYER	TEAL L				3	12	7	26	22	25	23	33	24	13	7	8	2						213	213	3,737.0	17.5	119	52	42	213
VILAS	BLACK OAK L					2	6	9	13	13	7	8	1	1									60	60	959.6	16.0	55	2	3	60
VILAS	CRAB L			1	8	33	31	17	5	2			3										100	100	1,341.9	13.4	83	2	15	100
VILAS	FOREST L					3		9	17	50	57	26	4	1									167	167	2,822.9	16.9	155	12		167
VILAS	HARRIS L				8	51	128	108	55	31	11	11	4	3	2	5	3	4	4				428	520	6,327.0	14.8	342	56	28	426
VILAS	HIGH L							1	1	2							1				1		7	7	139.6	19.9	2	5	7	7
VILAS	MAMIE L			1	1		6	3	1	1						1							14	14	195.8	14.2	14			14
VILAS	PRESQUE ISLE L CHAIN			1	2	24	27	30	44	26	8	9	1	7	1	1	1	1			1		184	184	2,819.1	15.3	159	20	5	184
	Sub-total:	0	2	22	128	332	469	473	437	313	200	145	58	39	24	24	10	7	11	5	6	1	2,706	2,798	41,037.7	15.2	2,245	264	178	2,687

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2014. Data arranged alphabetically by tribe, county, and lake.

Lac Courte Oreilles		INCH GROUP																												Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
County	Lake	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28																
RUSK	PULASKI L							7	14	6	5																		32	32	535.1	16.7	31		1	32	
RUSK	SAND L							3			1	1	1	1	1	3	6	3	5	1									25	25	565.1	22.6	5	19	1	25	
SAWYER	BARBER L	1		1	2	7	5	3	4	1		1	1		2		1											29	29	453.3	15.6	20	4	5	29		
SAWYER	DURPHEE L				1	3	3				11	5			3		1											27	27	490.2	18.2	21	4	2	27		
SAWYER	GRINDSTONE L				9	22	21	24	28	40	30	3	4	1	1		1											183	183	2,977.0	16.3	170	10	3	183		
SAWYER	L CHETAC	1	1	3	7	9	9	3		1	1	1	1	1	2	3	2	3	2	5	2						56	56	983.1	17.6	24	6	26	56			
SAWYER	L CHIPPEWA	2	9	43	225	280	280	195	183	213	175	67	28	38	31	21	14	18	4	6						1,552	1,552	25,623.5	16.5	1,272	202	78	1,552				
SAWYER	LAC COURTE OREILLES			15	101	133	115	86	76	35	26	13	8	4	3	2	2	1								620	620	9,847.0	15.9	550	44	26	620				
SAWYER	LITTLE ROUND L							1	1	1	1	1	1	1	1											7	7	128.5	18.4	3		4	7				
SAWYER	LOST LAND L							3	2	1																6	6	84.3	14.1			6	6				
SAWYER	ROUND L	1	1	27	96	154	125	71	39	38	32	14	4	4	9	7	3	1							623	623	9,841.6	15.8	514	46	62	622					
SAWYER	SAND L	1	1	20	61	147	233	228	117	42	9	3													862	862	12,730.4	14.3	488	173	201	862					
SAWYER	SISSABAGAMA L				8	22	26	29	17	3	2	1				2									110	110	1,755.6	16.0	105	5		110					
SAWYER	SPIDER L			5	9	18	21	15	6	9	6	2	3	3	3	1									98	98	1,596.0	16.3	58	15	25	98					
SAWYER	WHITEFISH L			1	1	1	3	6	12	9	8	8	1	2	3	1	1								56	56	998.1	17.8	29	18	9	56					
SAWYER	WINDFALL L				1	1	12	8				1													23	23	343.3	14.9	23			23					
SAWYER	WINDIGO L				5	2	23	25	26	13	4	4			2	2									106	106	1,807.0	17.0	84	20	2	106					
WASHBURN	BIRCH L			1	2	2	1	1	5	8	15	3	3	1	1	1									44	44	826.9	18.8	41	3		44					
WASHBURN	LONG L			3	10	34	86	105	46	17	9	4				1								316	316	5,133.7	16.2	297	11	8	316						
WASHBURN	STONE L			2	3	6	4	4	9	5	2	2	1											38	38	627.3	16.5	31	4	3	38						
	Sub-total:	4	4	35	177	652	939	877	698	537	369	187	80	64	64	47	29	29	12	7	2			4,813	4,851	77,347.0	16.1	3,766	584	462	4,812						

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2014. 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	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31														
CHIPPEWA	L WISSOTA								2	6	2	6	5	8															29	29	388.5	13.4	25		4	29			
IRON	TURTLE FLAMBEAU FL	2	3	11	132	225	208	105	56	31	22	11	3	5	1	1				1								817	2115	10,956.2	13.4	691	31	92	814				
LINCOLN	L MCHAWKINS	1	2	4	10	9	6	1	1	1	1									1							35	35	457.3	13.1	34	1		35					
LINCOLN	RICE R FL CHAIN	1	4	27	63	57	53	34	40	20	6	4	2	1	1	1	1	1	1	1	1	1	1		368	474	5,830.6	15.8	248	54	49	351							
ONEIDA	BEARSKIN L	1	3	37	43	49	55	38	17	5	2	5	2	2	1	2	1	1	1	1	1	1	1		285	265	3,791.0	14.3	237	12	15	264							
ONEIDA	BIG CARR L														1	1	3	2	2	2	2	2	1	9	9	238.4	26.3		1	8	9								
ONEIDA	BOOTH L												3	3	1	1									9	9	162.3	18.0		9		9							
ONEIDA	BUCKSKIN L	2	2	8	37	41	25	17	5	9	5	9			3	3										152	152	2,292.3	15.1	85	20	42	147						
ONEIDA	CARROLL L														1	1	3								5	5	118.5	23.7		1	4	5							
ONEIDA	CLEAR L																								201	201	3,208.6	16.0	198	2		200							
ONEIDA	DAML	1	3	7	17	10	7	5	4	4					1	1									54	54	768.1	14.2	35	5	14	54							
ONEIDA	HASBROOK L																			1	1				65	65	1,069.0	16.4	59	4	2	65							
ONEIDA	KATHERINE L	2	1	10	57	43	11								2	2									127	127	1,770.2	13.9	102	9	16	127							
ONEIDA	KAWAGUESAGAL	1	2	1	10	13	6	9	4	2	4	5			4	4	1	2	1				1		65	65	1,160.2	17.8	38	19	8	65							
ONEIDA	MANSON L	2	2	4	11	10	8	3	2	2	1				2	1									47	47	797.0	17.0	35	7	5	47							
ONEIDA	MINOQUA L	1	3	13	37	50	18	17	21	11	7	4	4	4	4	2	11	4	3	3	3	3	2	2	211	211	3,682.6	17.5	195	26	50	211							
ONEIDA	MUSKELLUNGE L														1	1									12	12	208.4	17.4	10	1	1	12							
ONEIDA	SCURREL L	5	43	50	46	48	24	7	5	3	3				1	1									238	238	3,501.9	14.7	194	34	10	238							
ONEIDA	SWEENEY L																								7	7	131.3	18.8	4	2	1	7							
ONEIDA	TOMAHAWK L CHAIN	1	2	65	89	26	2	3	8	29	20	25	6	8	9	6	7	5	1	2	8	4	6	1	333	333	5,959.5	16.1	117	31	185	333							
ONEIDA	TWO SISTERS L																			1	1				100	100	1,733.6	17.3	79	15	6	100							
ONEIDA	WILLOW FL																			1					146	146	2,384.3	16.3	132	6	8	146							
PRICE	BUTTERNUT L	4	12	28	36	37	16	15	8	8	8	5			3	1	4	5	1	1	1	1	1	1	193	193	2,775.1	14.4	131	26	36	193							
PRICE	PIKE L	7	15	35	24	8	5	4	3	4					1										107	107	1,430.7	13.4	91	16		107							
PRICE	ROUND L	1	12	48	48	28	13	8	4	4					1	1									168	168	2,144.1	12.8	142	14		168							
PRICE	WILSON L																								32	32	544.9	17.0	30	1		32							
VILAS	ALDER L																								21	21	320.7	15.3	9			21							
VILAS	ALLEQUASH L																								47	47	788.1	16.8	22	1	24	47							
VILAS	ANVILLE																								139	139	2,426.2	17.5	126	5	8	139							
VILAS	ARROWHEAD L																								1	1	26.4	26.4		1		1							
VILAS	BALLARD L																								43	43	739.7	17.2	24	2	17	43							
VILAS	BIG ARBOR VITAE L																								179	179	3,035.2	17.0	150	25	3	178							
VILAS	BIG GIBSON L																								41	41	690.2	16.8	12	4	25	41							
VILAS	BIG L (BOULDER JOCT)	2	21	43	61	26	18	5	8	5	6				2	1	3								201	398	2,837.3	14.1	130	28	43	201							
VILAS	BIG L (MI BORDER)	3	8	19	31	41	18	6	2	2	1														131	131	1,831.5	14.0	131	48	17	243							
VILAS	BIG MUSKELLUNGE L	2	13	38	33	63	87	20	7	6					8	3	2	2	5	3	2	1	1		245	735	3,715.7	15.2	178	48	17	243							
VILAS	BIG PORTAGE L	1	3	2	9	15	14	29	33	20	17	5	2	1	1										152	152	2,415.6	15.9	75	10	46	131							
VILAS	BIG ST GERMAIN L																								247	339	4,377.2	17.7	178	36	33	247							
VILAS	BOULDER L	2	15	21	38	29	12	11	6	1	2	3													141	173	1,995.0	14.1	78	23	18	119							
VILAS	BRANDY L																								2	2	34.0	17.0		2		2							
VILAS	CLEAR L																								7	7	113.4	16.2	7			7							
VILAS	CLEAR L	2	16	17	19	32	13	11	2	3	2	2	1							1					121	121	1,868.6	15.4	105	11	5	121							
VILAS	DEAD PIKE L	1	1	1	6	5	6	5	1						1	1									30	30	461.7	15.4	18	2	10	30							
VILAS	FISHTRAP L																								19	19	361.7	19.0	2	2	15	19							
VILAS	HORSEHEAD L	1	5	11	8	8	2	1							1										38	38	556.0	14.6	27	3	8	38							
VILAS	ISLAND L	5	37	59	32	20	17	5	1	1	1				1										184	344	2,839.5	14.3	160	17	7	184							
VILAS	JOHNSON L																								1	1	28.2	28.2		1		1							

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2014. 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	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31															
VILAS	L LAURA		2		1	15	32	31	8	8	1	3	3	1		1																	108	108	1,578.4	14.6	71	12	25	108
VILAS	LITTLE ARBOR VITAE L				2	18	3	2	5	8	12	7	8		2	1	1	3														73	73	1,210.4	16.6	60	7	6	73	
VILAS	LITTLE JOHN L				1	3	6	14	3	7	1	1									1										37	37	596.2	15.0	33	2	2	37		
VILAS	LITTLE ST GERMAIN L							2							1																7	7	182.9	21.8	2	1	4	7		
VILAS	LYNX L				1		1	1	1	2	1	3	1																		11	11	179.1	16.3	3		8	11		
VILAS	MANITOWISH L		1	2	19	15	19	9	10	5	3	2	1		2	1															89	89	1,231.1	13.8	55	10	24	89		
VILAS	OXBOW L			4	9	14	9	4	3								1														44	44	593.5	12.8	35	1	8	44		
VILAS	PAPOOSE L			1	3	14	19	14	12	5	1	1																			70	70	972.7	13.9	63	4	3	70		
VILAS	PLUM L				1	2	14	30	23	31	14	4	1																		120	218	1,857.6	15.5	100	9	11	120		
VILAS	RAZORBACK L				1	3	7	20	17	17	9	3	1	1		1															80	80	1,247.2	15.6	55	6	19	80		
VILAS	REST L			2	10	18	22	25	18	14	9	7	1	1	2	1															131	131	1,941.7	14.3	101	25	5	131		
VILAS	SHERMAN L		2	5	4	19	22	14	6	2	2																				77	77	1,028.4	13.4	73	3	1	77		
VILAS	SNIFE L		1	5	25	26	2	2	1																						69	69	838.5	12.2	36	1	32	69		
VILAS	SPIDER L			2	2	7	13	9	15	5	3	2	2	1		3	1														66	66	956.2	14.5	46	9	11	66		
VILAS	SOJAW L			4	36	56	34	41	17	10	5	3																			206	206	2,788.4	13.4	149	48	9	206		
VILAS	STAR L		2	3	19	38	31	23	21	14	8	8	4	4	2	1	1														180	405	2,617.0	14.5	153	26	1	180		
VILAS	TROUT L		1	2	17	25	32	47	58	44	33	29	25	20	8	7	15	7	5	3	3	2									383	862	6,851.1	17.9	209	118	41	368		
VILAS	UPPER BUCKATABON L											2																			3	3	60.6	20.2	2		1	3		
VILAS	UPPER GRESHAM L				1	2				1	2																				10	10	180.2	18.0	1		9	10		
VILAS	W BAY L		1	2	5	7	18	17	8		2																				60	60	816.0	13.6	60			60		
VILAS	WHITE SAND L				1	8	5	9	6	4	5	8	1	1	1	2															51	51	850.5	16.7	20	4	27	51		
VILAS	WILDCAT L		1				1	6	3	2	1		1	2																	20	20	337.2	16.9		3	17	20		
Sub-total:		4	29	122	574	1,056	1,243	1,135	993	794	556	391	234	121	97	67	51	73	46	34	24	18	8	6	4	7,680	11,232	116,951.3	19.2	5,311	845	1,124	7,580							

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2014. Data arranged alphabetically by tribe, county, and lake.

County	Lake	INCH GROUP																												Total Measured	Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed		
		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29																
ASHLAND	L GALILEE													1														1	43	43	799.9	17.2	38				1	42	
FLORENCE	PATTEN L																													491	491	8,372.7	17.1	401	65				491
FOREST	BUTTERNUT L																													11	11	203.4	18.5	9					11
FOREST	L LUCERNE																													422	1,086	7,241.4	17.2	311	88				422
FOREST	L METONGA																													137	137	1,972.2	14.4	124	2				137
FOREST	LILY L																													44	44	714.8	16.2	40	2				44
FOREST	ROBERTS L																													4	4	85.6	21.4	2					4
FOREST	SILVER L																													32	32	416.1	13.0	5	3				32
FOREST	STEVENS L																													52	52	776.2	14.9	44	2				52
LANGLADE	ENTERPRISE L																													27	27	467.4	17.3	27					27
LANGLADE	OTTER L																													25	25	488.8	18.8	25					25
LANGLADE	ROSE L																													34	34	569.8	16.8	23	6				34
LANGLADE	SAWYER L																													1	1	21.6	21.6						1
MARINETTE	HILBERT L																													246	263	3,297.1	13.4	208	22				246
ONEIDA	BIG L																													180	180	2,606.9	14.5	171	2				180
ONEIDA	CRESCENT L																													135	135	1,750.2	13.0	114	8				135
ONEIDA	GEORGE L																													332	616	5,352.8	16.1	276	19				332
ONEIDA	PELICAN L																													7	7	94.7	13.5	6					7
ONEIDA	PLANTING GROUND L																													38	38	678.8	17.9	29					38
ONEIDA	SQUASH L																													16	16	282.3	17.6	1	3				16
VILAS	BIG SAND L																													237	237	3,324.8	14.0	203	6				237
VILAS	CATFISH L																													161	500	2,075.3	12.9	141	4				161
VILAS	CRANBERRY L																													17	17	355.6	20.9	3	5				17
VILAS	KENTUCK L																													73	73	1,286.8	17.6	63	4				73
VILAS	LAC VIEUX DESERT																													272	331	4,686.0	17.2	180	54				272
VILAS	LONG L																													544	1,485	8,340.3	15.3	470	49				544
VILAS	TWIN L CHAIN																													3,582	5,886	56,208.6	15.7	2,895	344				3,582
Sub-total:		2	9	53	155	268	404	494	599	581	451	221	150	93	40	16	9	9	13	9	5	0	1	3,582	5,886	56,208.6	15.7	2,895	344				3,582	3,575					

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2014. Data arranged alphabetically by tribe, county, and lake.

County	Lake	INCH GROUP																										Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed	
		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26																	
BAYFIELD	DIAMOND L			1											1														13	13	258.3	19.9	5	4	4	13
BAYFIELD	LOWEN																												39	39	718.2	18.4	30	6	3	39
BAYFIELD	MIDDLE EAU CLAIRE L																												186	186	3,216.3	17.3	119	17	21	157
BAYFIELD	NAMEKAGON L																												187	187	2,776.2	14.8	164	13	10	187
BAYFIELD	PIKE L CHAIN																												217	217	3,444.6	15.9	166	28	6	200
BAYFIELD	UPPER EAU CLAIRE L																												301	301	5,418.5	18.0	281	18	1	300
DOUGLAS	AMNICON L																												2	2	38.5	19.3	2			2
DOUGLAS	LOWER EAU CLAIRE L																												78	78	1,394.7	17.9	37	27	14	78
SAWYER	NELSON L																												12	12	186.2	15.5	8	4		12
Sub-total:		2	6	10	21	66	133	152	158	153	134	109	33	23	14	10	8	0	3	1,035	1,035	17,451.5	16.9	812	117	59	988									

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2014. Data arranged alphabetically by tribe, county, and lake.

St. Croix	County	Lake	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
	BARRON	BEAVER DAM L						1		5	13	4														24	24	391.3	16.3	24			24	
	BARRON	DUCK L						1	2			3	2			1										9	9	153.2	17.0	8	1		9	
	BARRON	RED CEDAR L		8	17	23	50	102	114	96	22	7	4	1	1							1				446	446	7,161.0	16.1	425	20	1	446	
	BURNETT	SILVER L		1	1		6	5	6	4	1															24	24	389.3	16.2	24			24	
	BURNETT	BIG MCKENZIE L		1	1		1	1	1	3	1	1	1	1	1											11	11	218.2	19.8	1	4	6	11	
	BURNETT	DEVILS L		1	6	7	5	8	4	2	2	1	1	1	1											38	38	619.5	16.3	36	2		38	
	BURNETT	LIPSETT L								2	2	2	1													8	8	157.5	19.7	6	2		8	
	BURNETT	ROONEY L		1	3	9	3	1																		20	20	333.5	16.7	19	1		20	
	BURNETT	SAND L																								2	2	44.5	22.3	1	1		2	
	BURNETT	YELLOW L		1	1	5	4	13	5	3	4															41	41	709.8	17.3	29	11	1	41	
	POLK	BALSAM L									1															7	7	162.1	23.2	2	5		7	
	POLK	BIG BUTTERNUT L																								7	7	137.4	19.6	3	4		7	
	POLK	HALF MOON L																								22	22	350.5	15.9	17	5		22	
	POLK	WAPOGASSET L		3	9	3	2	9	1	4	2															54	54	903.2	16.7	45	8	1	54	
	SAWYER	SISSABAGAMA L																								110	110	1,795.6	16.3	100	9	1	110	
	ST. CROIX	CEDAR L		5	14	9	26	55	66	28	11	4	2	3	1											324	324	5,361.4	16.6	298	19	7	324	
	WASHBURN	BALSAM L		1	1	7	9	4	11	10	5	5	2	3	1											60	60	1,006.3	16.8	33	19	8	60	
	WASHBURN	BALSAM L																								25	25	594.0	21.4	10	11	3	24	
	WASHBURN	BASS L																								3	3	60.3	20.1	3			3	
	WASHBURN	BASS-PATERSON L		1	21	22	20	12	6	3																87	87	1,246.8	14.3	82	5		87	
	WASHBURN	L NANCY																								5	5	92.0	18.4	2	2	1	5	
	WASHBURN	LONG L																								316	316	5,223.0	16.5	294	14	8	316	
	WASHBURN	MIDDLE MCKENZIE L		1	1																					26	26	490.7	18.9	20	4	1	25	
	WASHBURN	SHELL L		2	1	7	27	18	7	4	11	3	5	2	2											90	90	1,368.4	15.2	66	9	15	90	
		Subtotal:	0	0	2	22	75	116	217	337	381	287	129	67	34	25	17	13	8	6	13	6	4	0	0	1,759	1,759	28,923.5	16.4	1,548	156	53	1,757	
		TOTAL ALL TRIBES	6	46	209	924	1,929	2,950	3,391	3,995	2,625	2,194	1,369	805	400	273	202	140	134	105	76	48	25	9	6	4	21,575	27,561	337,925.5	15.7	16,977	2,310	2,212	21,999

Appendix D. Number of walleye per inch group taken during spring spearing seasons from 1985 - 2014.

Inch Group	Number of walleye in:																
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
5									1				1				
6		1							3				2				
7							1		1				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	738
10	5	49	123	121	60	183	229	243	245	386	219	233	372	505	162	169	1,930
11	31	358	558	678	306	649	957	957	905	1,186	1,311	1,026	1,230	1,817	989	961	3,109
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	3,440
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	3,660
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	2,794
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	1,970
16	247	939	1,686	2,311	1,919	2,295	2,031	1,896	1,993	2,517	2,703	2,605	2,548	2,443	2,286	3,235	1,175
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	753
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	288
19	118	255	811	932	634	932	811	562	589	850	729	617	639	706	599	831	220
20	33	149	513	596	328	556	590	261	308	383	440	358	378	338	307	376	152
21	25	72	259	316	210	307	303	199	218	267	238	240	237	260	258	275	108
22	18	50	148	214	109	202	249	171	148	205	195	156	186	183	193	208	85
23	18	23	116	134	76	160	151	129	120	189	164	120	142	134	165	154	63
24	11	9	86	124	67	100	111	85	101	145	158	111	105	90	93	119	57
25	7	10	76	89	48	107	102	66	80	98	109	97	98	81	87	82	37
26	9	72	57	75	45	71	86	65	54	91	80	64	85	91	78	61	15
27	10	3	42	56	31	63	46	42	33	55	57	51	56	53	58	38	7
28	5	1	28	32	18	30	39	25	27	30	36	37	32	49	27	24	3
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	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	20,639
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	320,102
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	15.5
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	30,987	22,743
Percent Measured:	68%	99%	67%	75%	89%	73%	81%	86%	81%	84%	81%	81%	89%	89%	90%	89%	91%
≥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	527
% 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%	2.55%
≥25 inches	59	14	238	291	155	292	294	222	207	291	303	271	289	302	277	222	62
% 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%	0.30%

Appendix D. Number of walleye per inch group taken during spring spearing seasons from 1985 - 2014.

Inch Group	Number of walleye in:											30 Year Total	Percent of Total	Cumulative Percent				
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012				2013	2014		
5						1							1			4		0.0%
6						1							2					0.0%
7					2	1							6			13		0.0%
8	2	5	5	2	5	10	8	8	17	5			19			52		0.0%
9	14	37	62	61	35	70	81	76	59	20			88			306		0.1%
10	177	177	424	413	295	325	441	563	526	197			302			1,975		0.4%
11	973	836	1,299	1,483	1,207	1,091	1,350	1,526	1,749	997			831			9,678		1.9%
12	2,360	2,317	2,504	2,767	2,924	2,723	2,532	2,926	3,213	2,336			2,105			32,427		6.9%
13	3,371	3,716	3,431	3,350	3,713	4,057	3,568	4,076	4,630	3,454			3,439			67,466		17.5%
14	3,997	4,323	4,158	3,764	3,979	4,634	4,245	4,460	5,486	4,118			4,405			96,838		32.6%
15	3,727	4,142	3,888	3,729	3,839	4,320	3,709	4,088	4,611	3,867			4,847			108,486		49.5%
16	2,928	3,299	3,317	2,748	2,837	3,222	3,038	2,917	3,335	2,860			3,961			98,470		64.9%
17	2,108	2,367	2,280	2,132	1,880	2,218	2,136	2,258	2,324	1,892			2,700			75,269		11.8%
18	1,258	1,399	1,364	1,454	1,290	1,488	1,386	1,449	1,568	1,317			1,846			53,700		8.4%
19	787	859	889	926	885	924	861	895	942	806			1,154			35,068		5.5%
20	326	397	371	444	389	468	327	390	369	310			408			22,427		3.5%
21	255	303	241	338	255	351	260	291	308	238			302			11,018		1.7%
22	176	198	165	242	222	238	182	205	223	174			207			7,418		1.2%
23	126	150	138	177	176	206	116	170	190	115			177			5,292		0.8%
24	105	128	104	121	135	127	111	129	133	82			134			4,035		0.6%
25	90	74	72	88	91	124	96	127	115	87			133			3,094		0.5%
26	61	84	74	79	73	89	63	52	106	49			74			2,523		0.4%
27	48	54	41	57	73	41	43	88	54	33			67			1,943		0.3%
28	22	31	26	27	25	28	16	24	29	30			35			1,377		0.2%
29	17	20	9	16	21	17	7	12	16	4			16			795		0.1%
30	3	6	3	7	3	5	1	5	4	6			5			407		0.1%
31		1		2	1			1		2			2			145		0.0%
32																30		0.0%
33																6		0.0%
Total No. Measured:	22,931	24,924	24,865	24,427	24,356	26,778	24,578	26,739	30,014	23,000			27,265	22,148		640,263		100%
Length:	354,158	387,747	382,060	376,457	373,918	413,916	375,756	408,035	456,851	353,811			428,869	343,260		9,878,111		
Average Length:	15.4	15.6	15.4	15.4	15.4	15.5	15.3	15.3	15.2	15.4			15.7	15.5		15.4		
Total No. Speared:	25,543	27,502	27,546	26,877	27,627	30,700	27,881	32,201	34,156	29,730			32,311	28,386		760,085		
Percent Measured:	90%	91%	90%	91%	88%	87%	88%	83%	88%	77%			84%	78%		84%		
≥20 inches	1,229	1,447	1,244	1,598	1,464	1,694	1,222	1,494	1,547	1,130			1,560	1,036		38,084		
% of total	5.36%	5.81%	5.00%	6.54%	6.01%	6.33%	4.97%	5.59%	5.15%	4.91%			5.72%	4.68%		5.9%		
≥25 inches	241	271	225	276	287	304	226	309	324	211			332	159		7,227		
% of total	1.05%	1.09%	0.90%	1.13%	1.18%	1.14%	0.92%	1.16%	1.08%	0.92%			1.22%	0.72%		1.1%		

Appendix E. Number of muskellunge harvested nightly on lakes speared by six Wisconsin Chippewa bands during spring spearing 2014.

County	Lake	Area	Tribe	2014 Quota												Total Harvest	Number Measured	Total Inches	Average Length
				Dec 28	Dec 27	Dec 26	Dec 25	Dec 24	Dec 23	Dec 22	Dec 21	Dec 20	Dec 19	Dec 18	Dec 17				
IRON	BIG PINE L	632	LDF	7															
IRON	GILE FL	3,384	LDF	19															
IRON	L OF THE FALLS	338	LDF	4															
IRON	LOWER SPRINGSTEAD L	95	LDF	2															
IRON	MERCER L	184	LDF	3															
IRON	PARDEE L	208	LDF	3															
IRON	PIKE L	165	LDF	2															
IRON	RANDALL	115	LDF	2															
IRON	RICE L	125	LDF	2															
IRON	TURTLE-FLAMBEAU FL	13,545	LDF	26									1						
IRON	WILSON L	162	LDF	2															
LINCOLN	JERSEY CITY FL	404	LDF	5															
LINCOLN	L ALICE	1,369	LDF	11															
LINCOLN	L MOHAWKIN	1,910	LDF	13															
LINCOLN	L NOKOMIS (RICE R FL CHAIN)	2,433	LDF	16															
LINCOLN	RICE R FL (RICE R FL CHAIN)	920	LDF	8															
LINCOLN	SPIRIT R FL	1,668	LDF	12															
ONEIDA	BEARSKIN L	400	LDF	4															
ONEIDA	BIG CARR L	213	LDF	2														34.3	
ONEIDA	BOOM L	437	LDF	5														41.5	
ONEIDA	BOOTH L	207	LDF	0														36.2	
ONEIDA	BRIDGE L (RICE R FL CHAIN)	411	LDF	5									1					34.3	
ONEIDA	BUCKSKIN L	634	LDF	0														41.5	
ONEIDA	CARROL L	352	LDF	3														108.5	
ONEIDA	CHAIN L	219	LDF	3														151	
ONEIDA	CLEAR L	846	LDF	6														40.5	
ONEIDA	CLEARWATER L	351	LDF	4														40.5	
ONEIDA	DAM L	744	LDF	7														46.7	
ONEIDA	E HORSEHEAD L	184	LDF	3														37.8	
ONEIDA	FIFTH L	240	LDF	4														40.5	
ONEIDA	FOURTH L	258	LDF	4														40.5	
ONEIDA	GILMORE L	320	LDF	4														37.8	
ONEIDA	HASBROOK L	302	LDF	4														37.8	
ONEIDA	KATHERINE L	590	LDF	3														40.5	
ONEIDA	KAWAGUESAGA L	670	LDF	6														40.5	
ONEIDA	L CREEK	172	LDF	2														40.5	
ONEIDA	L THOMPSON	382	LDF	5														35.1	
ONEIDA	LITTLE TOMAHAWK L (TOM. CHAIN)	160	LDF	2														40.5	
ONEIDA	MANSON L	236	LDF	3														40.5	
ONEIDA	MEDICINE L	372	LDF	5														45.5	
ONEIDA	MERCER L	257	LDF	4														45.5	
ONEIDA	MINOQUA L	1,380	LDF	3														45.5	
ONEIDA	MUSKELLUNGE L	284	LDF	4														45.5	
ONEIDA	N NOKOMIS L	476	LDF	5														45.5	
ONEIDA	ONEIDA L	255	LDF	4														45.5	
ONEIDA	PICKERELL L	786	LDF	7														45.5	
ONEIDA	PINE L	240	LDF	4														45.5	
ONEIDA	RAINBOW FL	2,035	LDF	14														40.9	
ONEIDA	SAND L	540	LDF	6														40.9	
ONEIDA	SHISBOGAMAL	716	LDF	3														40.9	
ONEIDA	SQUIRREL L	1,317	LDF	10														40.9	
ONEIDA	SWEENEY L	187	LDF	2														40.9	
ONEIDA	TOMAHAWK L (TOM. CHAIN)	3,392	LDF	16														40.9	
ONEIDA	TWO SISTERS L	719	LDF	7														36.5	
ONEIDA	UPPER KAUBASHINE L	190	LDF	3														44.5	
ONEIDA	WILLOW FL	1,135	LDF	24														38.2	
PRICE	BUTTERNUT L	1,006	LDF	5														38.2	
PRICE	DUROY L	379	LDF	5														38.2	
PRICE	LAC SAULT DORE	561	LDF	6														38.2	

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 2014. 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	MINOCQUA L	1360	BAS	1	1	15.0	15.0	0.0007
LDF	VILAS	SPIDER L	272	BAS	1	1	19.0	19.0	0.0037
MLK	FOREST	STEVENS L	297	BAS	2	0	-	-	0.0067
MLK	LANGLADE	SAWYER L	149	BAS	1	0	-	-	0.0067
RCF	DOUGLAS	LOWER EAU CLAIRE L	802	BAS	1	1	17.4	17.4	0.0012
Total:					6	3	51.4	17.1	0.0038
LCO	SAWYER	L CHETAC	1920	LMB	2	2	32.4	16.2	0.0010
LCO	SAWYER	LOST LAND L	1304	LMB	3	3	44.5	14.8	0.0023
LCO	SAWYER	WHITEFISH L	786	LMB	1	1	15.8	15.8	0.0013
LCO	WASHBURN	BIRCH L	368	LMB	1	1	14.6	14.6	0.0027
LDF	ONEIDA	CARROL L	335	LMB	4	4	60.7	15.2	0.0119
LDF	ONEIDA	CLEAR L	846	LMB	1	1	16.5	16.5	0.0012
LDF	ONEIDA	MINOCQUA L	1360	LMB	10	10	168.6	16.9	0.0074
LDF	ONEIDA	TOMAHAWK L CHAIN	3552	LMB	5	5	87.7	17.5	0.0014
LDF	VILAS	BIG ARBOR VITAE L	1090	LMB	1	1	16.4	16.4	0.0009
LDF	VILAS	BIG ST GERMAIN L	1617	LMB	1	1	15.9	15.9	0.0006
LDF	VILAS	JOHNSON L	78	LMB	1	1	17.6	17.6	0.0128
LDF	VILAS	UPPER GRESHAM L	366	LMB	1	1	16.5	-	0.0027
MLK	FLORENCE	PATTEN L	255	LMB	1	1	14.0	14.0	0.0039
MLK	ONEIDA	SQUASH L	392	LMB	1	0	-	-	0.0026
MLK	VILAS	BIG SAND L	1408	LMB	3	0	-	-	0.0021
MLK	VILAS	CATFISH L	1012	LMB	1	0	-	-	0.0010
MLK	VILAS	CRANBERRY L	956	LMB	1	0	-	-	0.0010
MLK	VILAS	KENTUCK L	957	LMB	2	0	-	-	0.0021
MLK	VILAS	LONG L	872	LMB	1	0	-	-	0.0011
STC	BARRON	SILVER L	337	LMB	1	1	12.4	12.4	0.0030
STC	POLK	BONE L	1781	LMB	25	25	399.8	16.0	0.0140
STC	WASHBURN	BALSAM L	2054	LMB	38	38	568.0	14.9	0.0185
STC	WASHBURN	BASS L	130	LMB	2	2	31.4	15.7	0.0154
STC	WASHBURN	LONG L	3290	LMB	2	2	34.4	17.2	0.0006
STC	WASHBURN	MIDDLE MCKENZIE L	530	LMB	5	5	76.7	15.3	0.0094
STC	WASHBURN	SHELL L	2580	LMB	24	24	370.2	15.4	0.0093
Total:					138	129	2,014.1	15.6	0.0050
LDF	ONEIDA	TOMAHAWK L CHAIN	3552	SMB	8	8	115.0	14.4	0.0023
LDF	VILAS	ALDER L	274	SMB	1	1	16.1	16.1	0.0036
LDF	VILAS	BIG L (BOULDER JCT)	835	SMB	1	1	12.6	12.6	0.0012
LDF	VILAS	BIG MUSKELLUNGE L	930	SMB	6	5	90.6	15.1	0.0065
LDF	VILAS	BIG ST GERMAIN L	1617	SMB	10	10	183.8	18.4	0.0062
LDF	VILAS	DEAD PIKE L	297	SMB	1	1	13.3	13.3	0.0034
LDF	VILAS	SNIPE L	239	SMB	3	3	40.5	13.5	0.0126
MLK	FOREST	BUTTERNUT L	1292	SMB	2	2	31.3	15.7	0.0015
MLK	FOREST	ROBERTS L	414	SMB	4	0	-	-	0.0097
MLK	VILAS	KENTUCK L	957	SMB	4	0	-	-	0.0042
RCF	DOUGLAS	LOWER EAU CLAIRE L	802	SMB	1	1	13.4	13.4	0.0012
STC	BARRON	RED CEDAR L	1841	SMB	1	1	13.6	13.6	0.0005
STC	POLK	BONE L	1781	SMB	2	2	33.7	16.9	0.0011
STC	WASHBURN	LONG L	3290	SMB	1	1	15.0	15.0	0.0003
STC	WASHBURN	SHELL L	2580	SMB	12	12	197.4	16.5	0.0047
Total:					57	48	776.3	16.2	0.0039

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 2014. Data sorted by tribe, county, and lake.

Tribe	County	Lake	Area	Species	Number Harvested	Number Measured	Total Inches	Average Length	Number Per Acre
BRV	DOUGLAS	WHITEFISH L	832	NOP	1	1	30.0	30.0	0.0012
LCO	SAWYER	SAND L	928	NOP	6	6	186.6	31.1	0.0065
LCO	SAWYER	WHITEFISH L	786	NOP	2	2	51.0	25.5	0.0025
LDF	ONEIDA	MINOCQUA L	1360	NOP	2	2	68.9	34.5	0.0015
LDF	ONEIDA	TOMAHAWK L CHAIN	3552	NOP	2	2	55.5	27.8	0.0006
LDF	VILAS	ALDER L	274	NOP	1	1	20.1	20.1	0.0036
LDF	VILAS	BIG MUSKELLUNGE L	930	NOP	1	1	23.6	23.6	0.0011
LDF	VILAS	BIG ST GERMAIN L	1617	NOP	7	7	196.4	28.1	0.0043
LDF	VILAS	FISHTRAP L	329	NOP	2	2	55.6	27.8	0.0061
LDF	VILAS	UPPER GRESHAM L	366	NOP	1	1	29.3	29.3	0.0027
MLK	FOREST	BUTTERNUT L	1292	NOP	1	1	20.6	20.6	0.0008
MLK	FOREST	ROBERTS L	414	NOP	3	0	-	-	0.0072
MLK	ONEIDA	PELICAN L	3585	NOP	1	0	-	-	0.0003
MLK	ONEIDA	PLANTING GROUND L	1012	NOP	1	1	28.0	28.0	0.0010
MLK	VILAS	BIG SAND L	1408	NOP	1	0	-	-	0.0007
MLK	VILAS	CATFISH L	1012	NOP	2	0	-	-	0.0020
MLK	VILAS	LAC VIEUX DESERT	4300	NOP	1	0	-	-	0.0002
RCF	BAYFIELD	L OWEN	1323	NOP	1	1	21.0	21.0	0.0008
RCF	BAYFIELD	MIDDLE EAU CLAIRE L	902	NOP	2	2	50.3	25.2	0.0022
RCF	BAYFIELD	NAMEKAGON L	3227	NOP	2	2	47.0	23.5	0.0006
RCF	DOUGLAS	LOWER EAU CLAIRE L	802	NOP	5	5	136.5	27.3	0.0062
STC	POLK	BONE L	1781	NOP	1	1	30.0	30.0	0.0006
STC	POLK	HALF MOON L	579	NOP	1	1	28.0	28.0	0.0017
STC	WASHBURN	BALSAM L	2054	NOP	1	1	28.2	28.2	0.0005
STC	WASHBURN	MIDDLE MCKENZIE L	530	NOP	2	2	48.8	24.4	0.0038
Total:					50	42	1,155.4	27.5	0.0023

Appendix H. Number of bass per inch group (largemouth and smallmouth) taken during spring spearing seasons from 1985 - 2014.

Inch Group	Number of bass in:																										30 Year Total	Percent of Total							
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010			2011	2012	2013	2014			
5																																	0	0.0%	
6																																	2	0.0%	
7																																	4	0.1%	
8																																	3	0.1%	
9																																	11	0.2%	
10																																	27	0.5%	
11																																	82	1.7%	
12																																	352	6.5%	
13																																	705	13.1%	
14																																	984	18.3%	
15																																	982	17.9%	
16																																	780	14.7%	
17																																	547	10.2%	
18																																	471	8.7%	
19																																	280	5.2%	
20																																	111	2.1%	
21																																	32	0.6%	
22																																	6	0.1%	
23																																	2	0.0%	
24																																	0	0.0%	
25																																	4	0.1%	
26																																	1	0.0%	
Total No. Measured:	17	39	210	144	111	144	112	198	256	185	152	145	283	126	221	188	150	193	185	129	159	202	164	246	372	110	354	198	180	5,386	100.0%				
Length: Total																																			
Length: Average																																			
Length: Total No.																																			
Speared: Percent																																			
Measured:	81.0%	100.0%	75.4%	86.2%	96.2%	96.2%	96.0%	95.0%	98.1%	98.9%	95.0%	100.0%	97.6%	100.0%	100.0%	93.0%	98.0%	98.5%	98.9%	95.6%	100.0%	98.0%	100.0%	98.9%	98.7%	99.6%	100.0%	96.1%	89.6%	95.9%	95.9%	95.9%			

Appendix I. Number of northern pike per inch group taken during spring spearing seasons from 1985 - 2014.

Inch Group	Number of northern pike in:																														30 Year Total	Percent of Total		
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014				
10																																	0	0.0%
11																																	1	0.1%
12																																	3	0.4%
13																																	3	0.3%
14																																	4	0.4%
15																																	4	0.5%
16																																	16	1.6%
18																																	28	3.0%
19																																	32	3.0%
20																																	52	5.1%
21																																	51	5.0%
22																																	61	7.0%
23																																	66	6.6%
24																																	51	5.6%
25																																	51	5.6%
26																																	54	6.0%
27																																	44	4.7%
28																																	58	6.0%
29																																	45	4.1%
30																																	32	3.4%
31																																	43	4.5%
32																																	39	3.7%
33																																	40	4.1%
34																																	34	3.0%
35																																	21	2.2%
36																																	19	2.3%
37																																	13	1.4%
38																																	11	1.2%
39																																	15	1.6%
40																																	3	0.3%
41																																	0	0.0%
42																																	0	0.0%
43																																	3	0.4%
44																																	966	100.0%
Total No. Measured:	0	12	28	45	14	32	40	18	19	29	28	26	35	61	23	54	32	39	21	20	20	16	54	23	49	50	28	71	39	42				
Total Length:	-	312	724	1,152	834	776	986	453	527	792	744	683	987	1,660	586	1,457	979	1,189	639	573	567	465	1,542	821	1,400	1,373	810	1,898	1,054	1,155	26,442			
Average Length:	NA	25.0	25.9	25.6	29.9	24.2	24.6	25.2	27.7	27.3	26.6	26.7	28.2	27.2	25.3	27.0	30.6	30.5	30.4	28.6	28.3	28.1	28.6	27.0	28.6	27.5	28.9	26.7	27.0	27.5	27.3			
Total No. Speared:	2	13	41	59	14	34	41	30	19	30	32	30	37	68	29	54	32	40	22	20	22	17	54	23	49	50	30	71	39	50	1,052			
Percent Measured:	0.0%	92.3%	88.5%	76.3%	100.0%	94.1%	97.6%	60.0%	100.0%	96.7%	87.5%	86.7%	94.6%	89.7%	79.3%	100.0%	100.0%	97.5%	95.5%	100.0%	90.9%	94.1%	100.0%	100.0%	100.0%	100.0%	90.9%	100.0%	100.0%	84.0%	92.0%			