



# **Open Water Spearing in Northern Wisconsin by Chippewa Indians During 2000**

by

**Jennifer Krueger  
Database Manager**

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**Great Lakes Indian Fish & Wildlife Commission  
Biological Services Division  
P.O. Box 9  
Odanah, WI 54861  
(715) 682-6619  
[www.glifwc.org](http://www.glifwc.org)**

## ABSTRACT

The year two-thousand (2000) marked the sixteenth consecutive spring that spear fishing was conducted by Chippewa tribes in off-reservation waters of northern Wisconsin. A total of 441 tribal members participated in this traditional fishery. Spearing occurred on 173 lakes and walleye were harvested from all except 2 lakes. A total of 31,082 fish were taken with 97.7% of the catch (30,367 fish) being walleye. Numbers of other gamefish harvested were 325 muskellunge, 221 bass, and 54 northern pike. Average lengths were 15.4 inches for walleye and 38.0 inches for muskellunge. The tribal walleye quota was exceeded by a total of 5 fish on four lakes. Except for these four instances, harvest of walleye and muskellunge was maintained within the established limits by a nightly permit system and by complete monitoring of the catch.

## TABLE OF CONTENTS

	PAGE
LIST OF TABLES .....	iii
LIST OF FIGURES .....	iv
INTRODUCTION .....	1
Regulations .....	1
Permit System and Monitoring .....	1
RESULTS AND DISCUSSION .....	4
Fishing Effort .....	4
Number of Spearers.....	4
Number of Spearer-nights or Permits Used .....	6
Number of Boat-hours .....	8
Total Harvest .....	10
Walleye Harvest .....	11
Mean Length .....	12
Sex Composition of Catch .....	13
Catch Per Effort (CPE) .....	14
Muskellunge Harvest .....	16
Bass Harvest .....	18
Northern Pike Harvest .....	20
ACKNOWLEDGMENTS .....	22
LITERATURE CITED .....	23
LIST OF APPENDICES .....	24

**LIST OF TABLES**

<b>TABLE</b>	<b>PAGE</b>
1 Number of spearers on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1986-2000 .....	4
2 Number of spearer-nights on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1986-2000 .....	6
3 Number of spearer boat-hours on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1986-2000 .....	8
4 Number of interviews and average length of spearing trip (in boat-hours) during spring spearing from 1989-2000 .....	9
5 Number of various fish species harvested during spring spearing seasons from 1996-2000 .....	10
6 Number of lakes with a tribal walleye quota, spearing effort, and harvest plus percent of overall quota harvested from 1989-2000 .....	11
7 Number and percent of walleye that were sexed and were male, female, or unknown sex during spring spearing seasons from 1985-2000 .....	13
8 Range and average catch rates in lakes speared during spring spearing seasons from 1987-2000 .....	15
9 Number of lakes with a tribal muskellunge quota with harvest and percent of overall quota harvested from 1990-2000 .....	16

## LIST OF FIGURES

FIGURE		PAGE
1	Map depicting the ceded territory in northern Wisconsin .....	2
2	Off-reservation Treaty Fishing Permit used during the 2000 open-water season .....	3
3	Number of spearers during spring spearing seasons from 1986-2000 .....	5
4	Number of spearer-nights during spring spearing seasons from 1986-2000 .....	7
5	Number of boat-hours of effort during spring spearing seasons from 1986-2000 .....	9
6	Number of walleye and percent of quota harvested during spring spearing seasons from 1989-2000 .....	12
7	Length frequency of walleye speared during 2000 and during the sixteen year period 1985-2000 .....	12
8	Sex composition of the walleye harvest during spring spearing seasons from 1985-2000 .....	14
9	Walleye CPE (number per boat-hour) by lake during the 2000 spring spearing season .....	15
10	Number of muskellunge harvested during spring spearing seasons from 1985-2000 .....	17
11	Length frequency of muskellunge speared during 2000 and during the sixteen year period 1985-2000 .....	17
12	Number of bass harvested during spring spearing seasons from 1985-2000.....	19
13	Length frequency of bass speared during 2000 and during the sixteen year period 1985-2000 .....	19
14	Number of northern pike harvested during spring spearing seasons from 1985-2000 .....	21
15	Length frequency of northern pike speared during 2000 and during the sixteen year period 1985-2000 .....	21

## INTRODUCTION

This report presents data for harvest and effort by Chippewa spearmen in ceded territory waters of northern Wisconsin (Figure 1) during spring 2000. Since 1989 two other seasonal fisheries have sometimes occurred in off-reservation waters: fall spearing and summer gill-netting. However during 2000, neither spearing nor gill-netting took place in summer or fall.

## 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).

## 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. A set of instructions for collecting biological data was provided to creel clerks at a training meeting about one week prior to the 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 prepared a work area. Upon return of each boating party, a catch report form was completed. 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 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. Starting in 1993 all catch report forms were also faxed in daily. Before noon, tribal representatives notified GLIFWC 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 and tribal lands in northern Wisconsin. Heavy line indicates approximate ceded territory boundary.

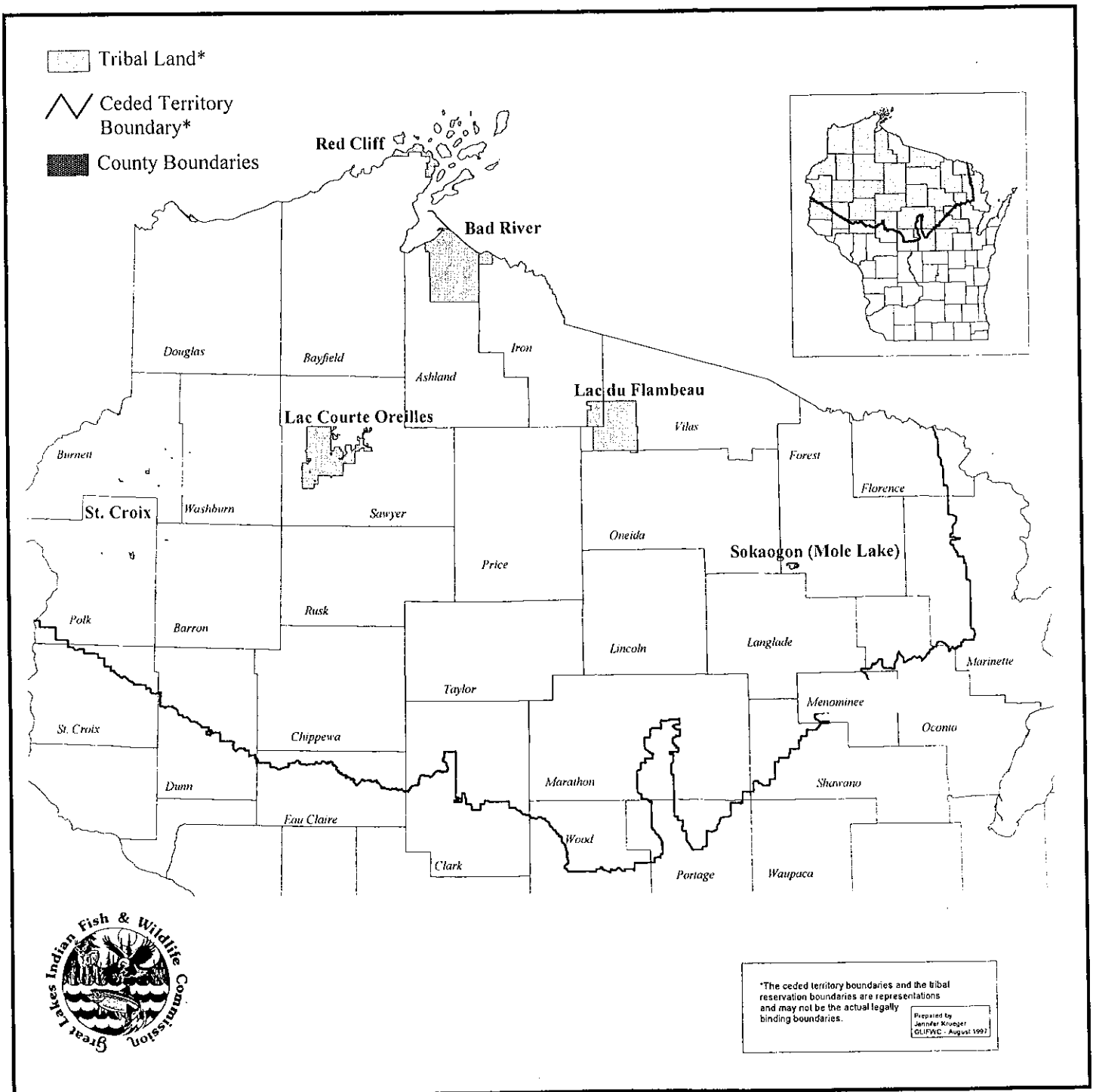


Figure 2

Off-Reservation Treaty Fishing Permit used during the 2000 open-water season.

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

FRONT

<b>Spearing Times:</b>		<b>Number of:</b>	
Starting	_____	Walleye per boat	_____
Ending	_____	Musky per boat	_____
<b>WALLEYE LENGTHS</b>			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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 spearking 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 441 tribal members participated in the 2000 spring spear fishery (Table 1, Figure 3, Appendix A). Compared to 1999 the total number of spearkers increased by 13 persons or 3%.

**Table 1.** Number of spearkers on lakes selected by six Wisconsin Chippewa bands during spring spearking from 1986-2000<sup>1</sup>.

YEAR	BRV	LCO <sup>2</sup>	LDF	MLK	RCF	STC <sup>3</sup>	TOTAL:
1986	2	26	119	32		15	194
1987	22	58	206	70		63	419
1988	35	48	200	63	14	66	426
1989	27	30	118	31	23	42	271
1990	46	43	142	46	40	64	381
1991	38	56	137	50	47	65	393
1992	36	41	112	40	52	64	345
1993	34	72	111	55	36	51	359
1994	31	87	134	66	31	70	419
1995	39	68	150	53	44	67	421
1996	25	50	153	54	42	61	385
1997	57	74	139	64	59	62	455
1998	75	85	156	78	51	69	514
1999	44	61	148	66	52	57	428
2000	44	78	151	61	57	50	441
PERCENT CHANGE: 1999-2000	0%	+28%	+2%	-8%	+10%	-12%	+3%

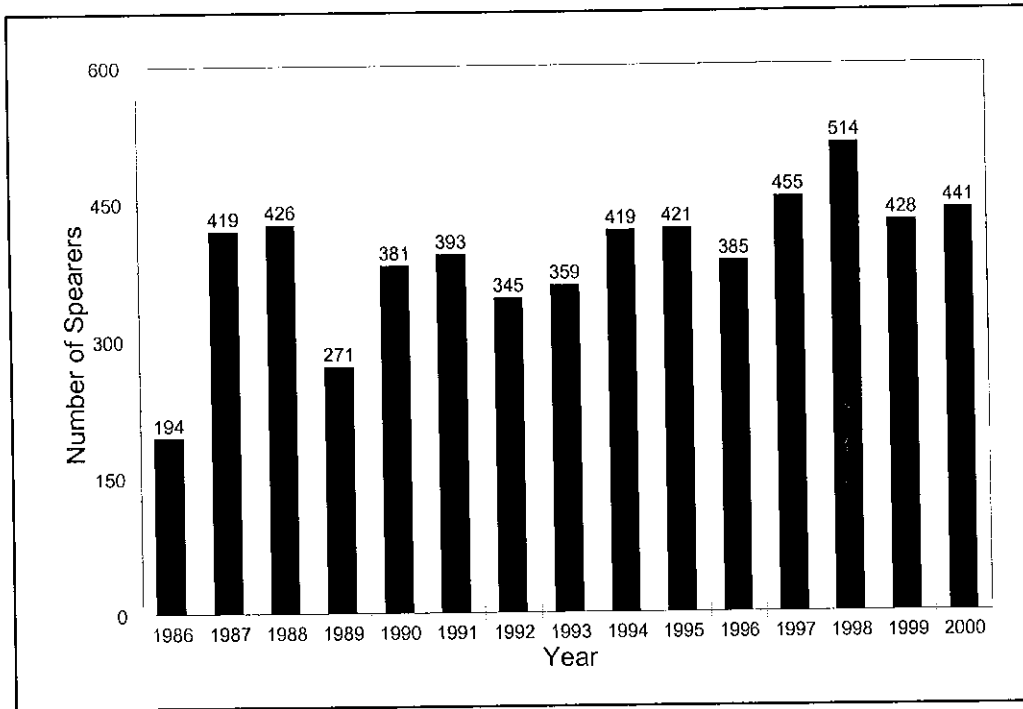
<sup>1</sup> Abbreviations for the various bands are: BRV = Bad River, LCO = Lac Courtes Oreilles, LDF = Lac du Flambeau, MLK = Mole Lake, RCF = Red Cliff, and STC = St. Croix.

<sup>2</sup> Includes members from Mille Lacs tribe: 1 in 1990, 2 in 1991, 1 in 1993, and 3 in 1994.

<sup>3</sup> Includes members from Mille Lacs tribe: 7 in 1988, 8 in 1989, 11 in 1990, 15 in 1991, 13 in 1992, 4 in 1993, 14 in 1994, 15 in 1995, 16 in 1996, 18 in 1997, 12 in 1998, 2 in 1999, and 7 in 2000.

All persons spearing on lakes selected by Lac Courte Oreilles, Lac du Flambeau, and Red Cliff were members of that tribe (78, 151, and 57 persons, respectively). Of the 44 members spearing on lakes selected by Bad River, 2 were members of the St. Croix tribe. Lakes selected by Mole Lake were also speared by 2 Red Cliff tribal members. Lakes selected by St. Croix were also speared by 2 Bad River members and 7 Mille Lacs members.

**Figure 3.** Number of spears during spring spearing seasons from 1986-2000.



**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 1986-2000.

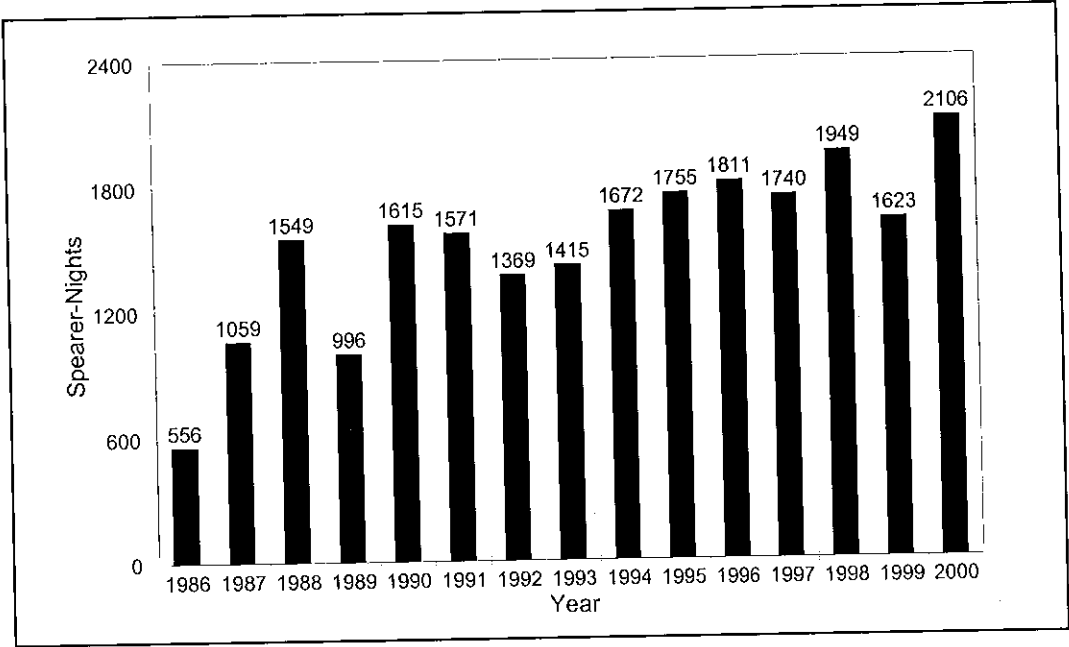
YEAR	BRV	LCO <sup>1</sup>	LDF	MLK	RCF	STC <sup>2</sup>	TOTAL:
1986	2	50	382	72		50	556
1987	43	140	695	205		181	1,264
1988	64	165	788	249	37	246	1,549
1989	70	109	429	120	100	168	996
1990	174	116	751	221	124	229	1,615
1991	151	216	605	201	160	238	1,571
1992	140	140	512	177	168	232	1,369
1993	172	218	469	241	144	171	1,415
1994	129	255	700	167	132	289	1,672
1995	164	215	677	241	135	323	1,755
1996	120	215	712	294	119	351	1,811
1997	144	301	554	299	167	275	1,740
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
PERCENT CHANGE: 1999-2000	+31%	+38%	+27%	+13%	+42%	+39%	+30%

<sup>1</sup> Includes spearer-nights for Mille Lacs tribe: 2 in 1990, 3 in 1991, 1 in 1993, and 6 in 1994.

<sup>2</sup> Includes spearer-nights for Mille Lacs tribe: 22 in 1988, 29 in 1989, 35 in 1990, 45 in 1991, 53 in 1992, 9 in 1993, 34 in 1994, 59 in 1995, 74 in 1996, 82 in 1997, 22 in 1998, 3 in 1999, and 28 in 2000.

A total of 2,106 spearer-nights were recorded during spring 2000 (Table 2, Figure 4, Appendix B). About one-third of this effort (774 spearer-nights) occurred on lakes selected by Lac du Flambeau. Spearer-nights on lakes selected by the other five tribes ranged from 178 at Bad River to 388 at Lac Courte Oreilles. Compared to 1999, effort increased by 483 spearer-nights or 30%.

Figure 4. Number of spearer-nights during spring spearing seasons from 1986-2000.



**Number of Boat-Hours.** A total of 1,992 boat-hours of effort was recorded in 2000 (Table 3, Figure 5, Appendix B). Compared to 1999, the number of boat-hours increased by 22% (359 boat-hours). About one-third of the effort (570 boat-hours or 29%) occurred on lakes selected by Lac du Flambeau. Boat-hours on lakes selected by the other five tribes ranged from 201 at Red Cliff to 427 at Lac Courte Oreilles.

**Table 3.** Number of spearer boat-hours on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1986-2000.

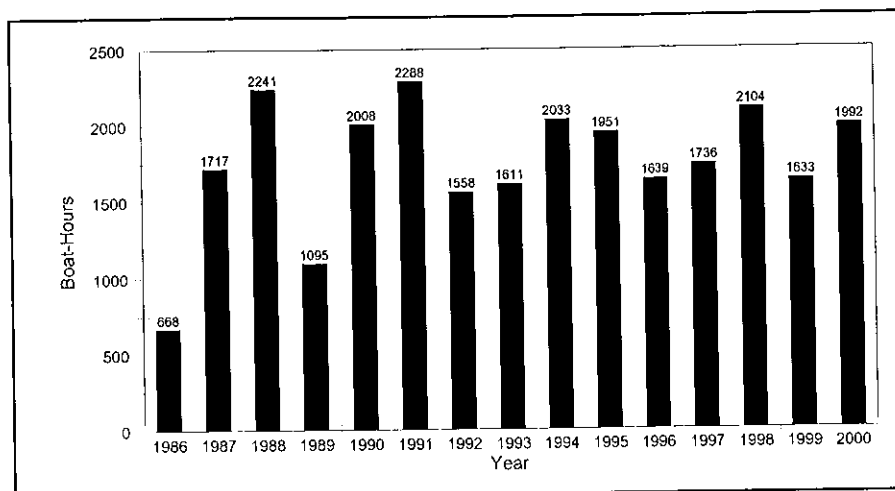
Year	BRV <sup>1</sup>	LCO <sup>2</sup>	LDF	MLK	RCF	STC <sup>3</sup>	Total:
1986	2	53	440	95		78	668
1987	46	163	976	252		280	1,717
1988	173	247	1094	393		334	2,241
1989	135	122	364	155	109	210	1,095
1990	254	151	787	298	181	338	2,008
1991	288	283	704	344	226	444	2,288
1992	206	221	453	218	178	281	1,558
1993	201	290	459	297	164	200	1,611
1994	172	356	743	247	133	381	2,033
1995	163	359	618	298	144	369	1,951
1996	131	304	641	156	105	302	1,639
1997	138	414	472	236	178	298	1,736
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
PERCENT CHANGE: 1999-2000	+20%	+16%	+11%	-10%	+57%	+74%	+22%

<sup>1</sup>Includes Red Cliff boat-hours in 1988.

<sup>2</sup>Includes effort for Mille Lacs tribe in 1990, 1991, 1993, and 1994.

<sup>3</sup>Includes effort for Mille Lacs tribe from 1988-2000.

Figure 5. Number of boat-hours of effort during spring spearing seasons from 1986-2000.



For all tribes combined, a total of 969 interviews were conducted and effort (boat-hours) was determined for all. Average length of a trip was 2.1 boat-hours (Table 4).

Table 4. Number of interviews and average length of spearing trip (in boat-hours) during spring spearing from 1989-2000.

YEAR	AVERAGE LENGTH OF TRIP:						TOTAL
	BRV	LCO <sup>1</sup>	LDF	MLK	RCF	STC <sup>1</sup>	
1989	4.1	2.4	2.5	2.6	2.5	2.7	2.7
1990	3.3	2.8	2.7	3.1	3.5	3.1	3.1
1991	3.9	3.0	2.8	3.9	2.8	3.5	3.3
1992	3.0	3.2	2	2.8	2.4	2.4	2.5
1993	2.8	2.1	1.8	1.5	2.6	2.5	2.6
1994	3.2	3.0	2.9	3.5	2.3	3.0	3.0
1995	2.1	3.5	2.0	2.8	2.7	2.5	2.5
1996	2.4	2.9	2.2	1.3	2.0	2.2	2.2
1997	2.7	3.0	2.2	2.3	2.6	2.4	2.5
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
2000 Boat-hours:	226	427	570	202	201	366	1,992
2000 interviews with effort:	82	204	317	139	78	149	969
2000 interviews without effort:	0	0	0	0	0	0	0

<sup>1</sup>Includes effort for Mille Lacs tribe.

## Total Harvest

Fourteen taxa of fish were harvested during the 2000 spring spear fishery (Table 5). Of the 31,082 fish taken 97.7% were walleye. Percentages of the total catch for other game fish species were 1.04% for muskellunge, 0.71% for bass, and 0.17% for northern pike. Other species combined (panfish and rough fish) totaled 115 fish and made up the remaining 0.37% of the harvest.

**Table 5.** Number of various fish species harvested during spring spearing seasons from 1996-2000.

Species:	1996	1997	1998	1999	2000
Walleye	28,327	24,002	27,218	26,105	30,367
Muskellunge	319	333	271	275	325
Bass Species	6		3	1	
Largemouth Bass	103	114	191	97	179
Smallmouth Bass	51	31	99	28	42
Northern Pike	30	37	68	29	54
Whitefish					1
Rock Bass	4	12	6	2	6
Crappie	63	55	50	134	78
Bluegill	18	9	4	44	2
Yellow Perch	13	8	7	4	7
Bullhead	3				
Sucker	22	32	40	27	16
Whitefish			1	2	
Carp	4				2
Dogfish				1	1
Burbot					2
<b>TOTAL:</b>	<b>28,963</b>	<b>24,633</b>	<b>27,941</b>	<b>26,749</b>	<b>31,082</b>

## Walleye Harvest

Tribal quotas (TQ) for walleye were selected for 253 lakes and totaled 40,762 walleye (Table 6). The percent of the "safe harvest" selected as tribal quotas for lakes in 2000 ranged from 18.58% (Durphee Lake, Sawyer County) to 94.94% (Upper St. Croix Lake, Douglas County). Two tribes selected the same lake in 6 instances and agreed on various inter-tribal allocation formulas to keep the TQ within the selected percentage. No lakes were selected by more than two Wisconsin tribes.

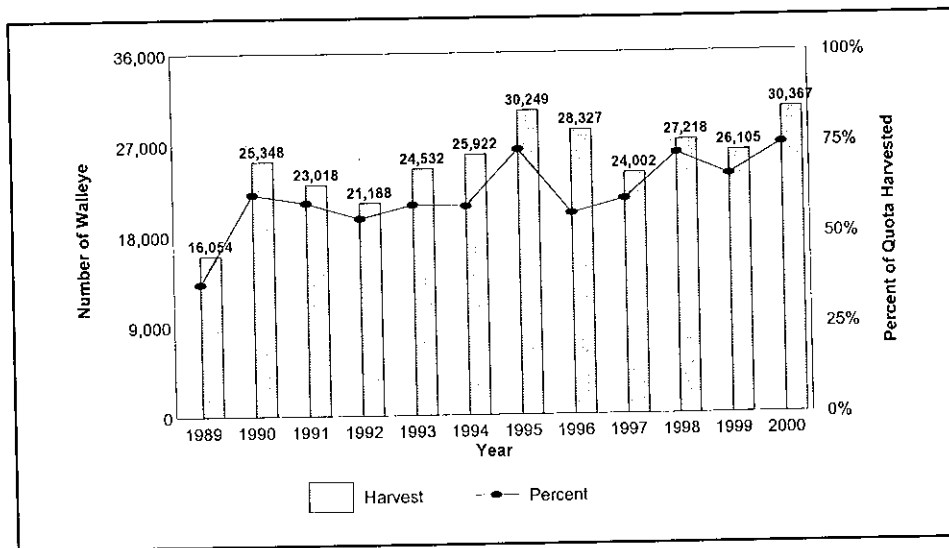
Tribal spearers harvested a total of 30,367 walleye from 171 lakes (Table 6, Figure 6, Appendix B). Spearing also occurred in two other lakes (Boom Lake, Oneida County and Rhinelander Flowage, Oneida County) but no walleye were harvested. The percent of the total walleye quota harvested was 74%. Values for the tribal walleye quota and percent of this quota harvested from 1989-2000 were as follows:

**Table 6.** Number of lakes with a tribal walleye quota, spearing effort, and harvest plus percent of overall quota harvested from 1989-2000.

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
1989	43,801	254	16,054	102	98	37%
1990	41,373	178	25,348	119	117	61%
1991	39,090	204	23,018	159	147	59%
1992	38,863	222	21,188	153	146	55%
1993	42,112	220	24,532	134	130	58%
1994	44,821	218	25,922	147	145	58%
1995	41,283	222	30,249	153	149	73%
1996	50,897	248	28,327	167	157	56%
1997	40,301	245	24,002	155	152	60%
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%



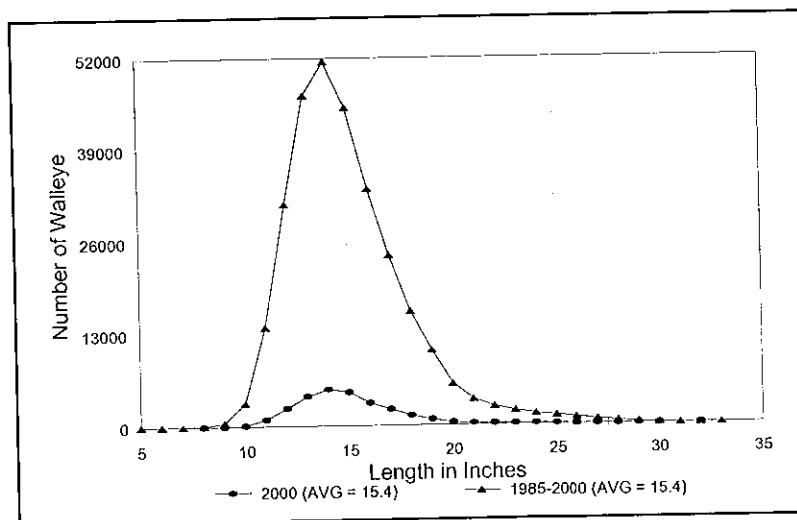
**Figure 6.** Number of walleye and percent of quota harvested during spring spearing seasons from 1989-2000.



**Mean Length.** A total of 26,984 walleye (89% of the catch) was measured in 2000 (Appendices C and D). The mean length was 15.4 inches, slightly less than the average length during 1987-1991 (range: 15.7-16.0 inches per year) but greater or the same as the average length from 1992-1999 (range: 15.0-15.4 inches per year). Size restrictions were identical during each of these thirteen years; all walleye were to be under 20 inches except that each permit authorized the harvest of one walleye of 20-24 inches and one of any size.

For the 16 spring spearing seasons combined, 82% of the walleye harvest has been measured (296,024 of 359,321 fish) (Figure 7; Appendix D). Average length for this 16 year sample was 15.4 inches. Also, 6.6% of the walleye (19,470 fish) were 20 inches or larger and 1.3% (3,727 fish) were 25 inches or larger.

**Figure 7.** Length frequency of walleye speared during 2000 and during the sixteen year period from 1985-2000.



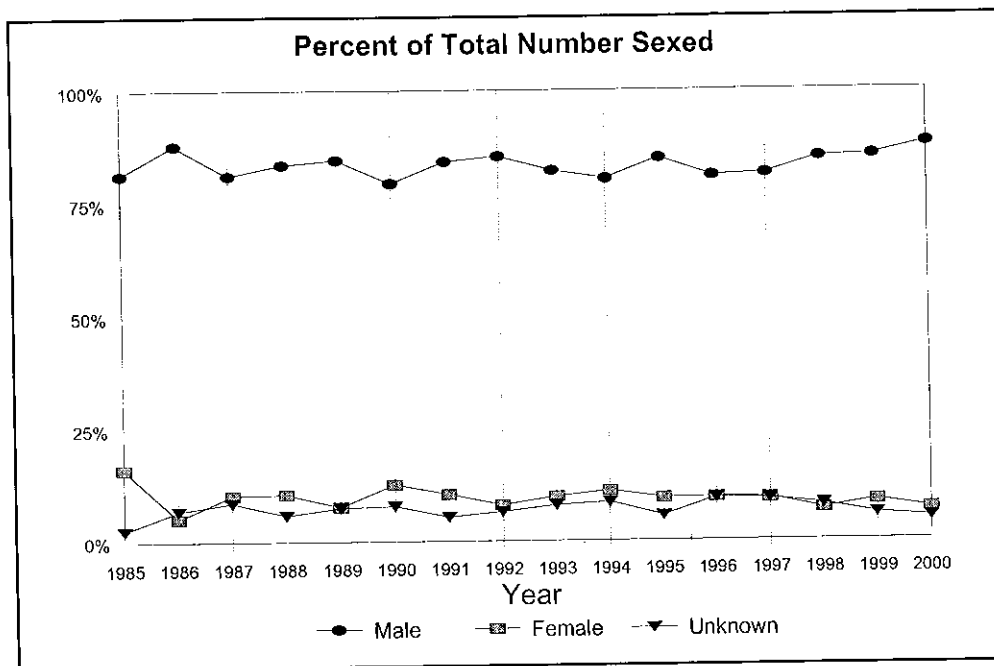
**Sex Composition of Catch.** The majority of walleye sexed in 2000 were male: 24,422 of 27,873 fish or 88% (Table 7). Females (1,974 fish) comprised 7% of the sexed harvest and those whose sex could not be determined (1,477 fish) made up 5%. Males made up 93% of sexable fish.

For the 16 spring spearing seasons combined, a total of 296,255 walleye have been sexed (Table 7, Figure 8). Of these, 84% were male, 9% were female, and 7% 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 and size restrictions, differences in behavior between the sexes during spawning season, and spearer preference.

**Table 7.** Number and percent of walleye that were sexed and were male, female, or unknown sex during spring spearing seasons from 1985-2000.

Year	Total Harvest	Male		Female		Unknown		Total Sexed:	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	2,761	696	81%	138	16%	22	3%	856	31%
1986	6,940	6,013	88%	356	5%	473	7%	6,842	99%
1987	21,321	11,539	81%	1,456	10%	1,229	9%	14,224	67%
1988	25,969	16,193	84%	2,033	10%	1,142	6%	19,368	75%
1989	16,054	11,222	85%	1,030	8%	1,002	8%	13,254	83%
1990	25,348	14,693	79%	2,342	13%	1,465	8%	18,500	73%
1991	23,018	15,626	84%	1,926	10%	999	5%	18,551	81%
1992	21,188	15,563	85%	1,473	8%	1,190	7%	18,226	86%
1993	24,532	16,357	82%	1,958	10%	1,588	8%	19,903	81%
1994	25,922	17,467	80%	2,407	11%	1,852	9%	21,726	84%
1995	30,249	20,897	85%	2,339	10%	1,369	5%	24,605	81%
1996	28,327	18,562	81%	2,191	9.5%	2,181	9.5%	22,934	81%
1997	24,002	17,541	81%	2,031	9%	1,978	9%	21,550	90%
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%
Total:	359,321	247,551	84%	27,363	9%	21,341	7%	296,255	82%

**Figure 8.** Sex composition of the walleye harvest during spring spearing seasons from 1985-2000.



**Catch per effort (CPE).** In 2000 a total of 1,992 boat-hours of spearing was recorded in which 30,367 walleye were caught. Overall catch per effort (total harvest/total boat-hours) was 15.2 walleye per boat-hour (Appendix B).

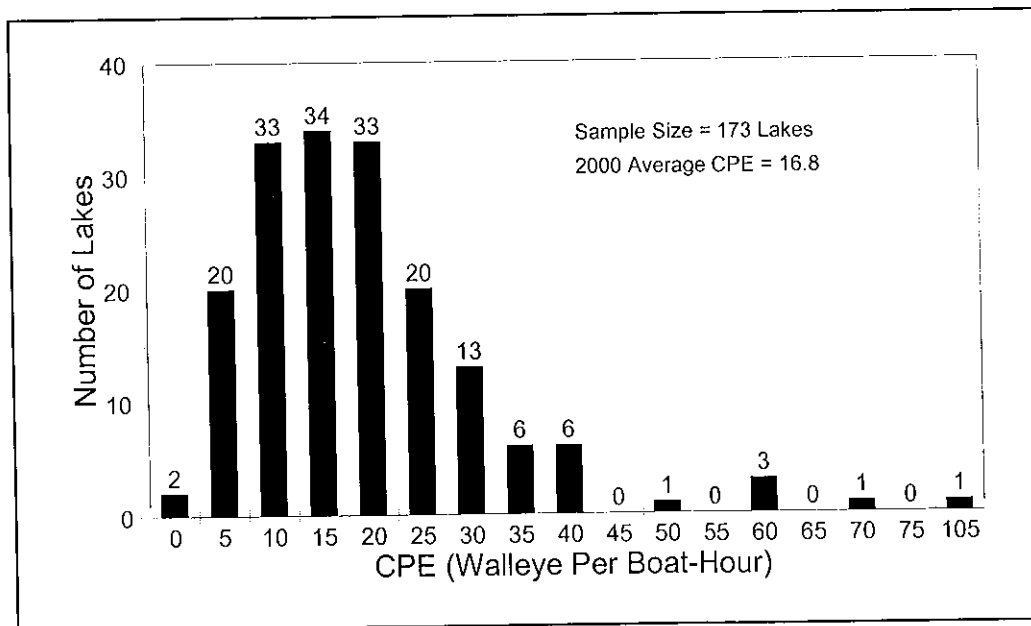
Catch rates for the 173 lakes speared in 2000 ranged from 0.0 to 101.1 and averaged 16.8 (Appendix B, Figure 9). Boat-hour effort was recorded for all lakes during spring 2000. Similar statistics for the years 1987-1999 were as follows:

**Table 8.** Range and average catch rates in lakes speared during spring spearing season from 1987-2000.

Year	Number of Lakes	Range: CPE	Average: CPE
1987	66	0.0 - 46.4	12.2
1988	91	0.0 - 84.1	14.2
1989	98	0.0 - 63.9	18.5
1990	117	0.0 - 45.1	14.3
1991	159	0.0 - 46.5	11.3
1992	153	0.0 - 68.0	16.1
1993	134	0.0 - 123.5	15.2
1994	137	0.0 - 95.2	16.7
1995	153	0.0 - 91.1	19.5
1996	167	0.0 - 52.9	17.4
1997	155	0.0 - 62.7	16.8
1998	153	0.0 - 76.0	16.2
1999	155	0.0 - 74.0	18.0
2000	173	0.0 - 101.1	16.8

(Biological Issues Group 1988, Kmiecik and Shively 1990, Kmiecik 1991, Kmiecik and Ngu 1992, Ngu and Kmiecik 1993, Ngu 1994, Ngu 1995, Ngu 1996, Krueger 1997, Krueger 1998, Krueger 1999, Krueger 2000).

**Figure 9.** Walleye CPE (number per boat-hour) by lake during the 2000 spring spearing season.



## Muskellunge Harvest

A total of 325 muskellunge were taken from 59 lakes during spring 2000 (Figure 10, Appendix E). This harvest represented 23.1% of the combined tribal muskellunge quota of 1,410 fish selected for 169 lakes. Similar muskellunge quota statistics for the years 1990 to 1999 were as follows:

**Table 9.** Number of lakes with a tribal muskellunge quota, with harvest, and percent of overall quota harvested from 1990-2000.

Year	Tribal Muskellunge Quota	Number of Lakes with Quota	Number of Lakes with Harvest	Number Harvested	Percent of Quota Harvested
1990	1,148	117	57	303	26.4%
1991	1,240	155	54	185	14.9%
1992	1,240	155	52	165	13.3%
1993	1,223	134	49	188	15.5%
1994	1,326	158	49	244	18.4%
1995	1,364	153	59	299	21.9%
1996	1,555	171	68	319	20.5%
1997	1,489	169	66	333	22.3%
1998	1,381	166	60	271	19.6%
1999	1,431	169	63	275	19.2%
2000	1,410	169	59	325	23.1%

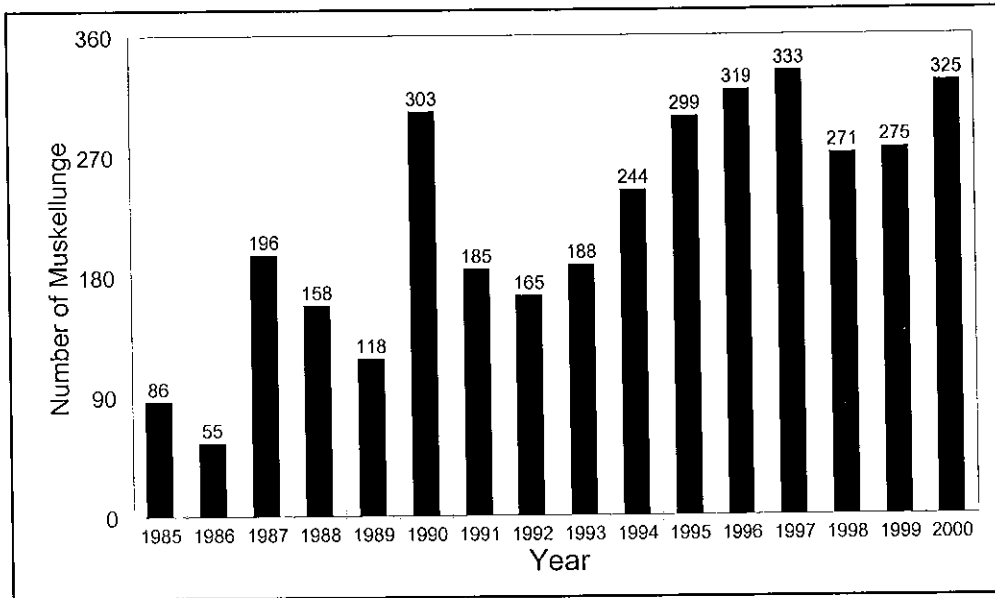
The number of muskellunge harvested from each of these 59 lakes ranged from 1 to 28 fish (Appendix E). Ten or more muskellunge were harvested from 12 lakes, 6-9 muskellunge were taken from 10 lakes, and 1-5 fish were speared in 37 lakes. No muskellunge were speared from the other 110 lakes.

Lengths of the 325 measured muskellunge averaged 38.0 inches and ranged from 23.7 to 52.0 inches (Appendix F, Figure 11). During the sixteen spring seasons combined, 3,472 of 3,520 speared muskellunge have been measured. Average length for this sample of fish was 37.0 inches (range: 13.5-53.0 inches).

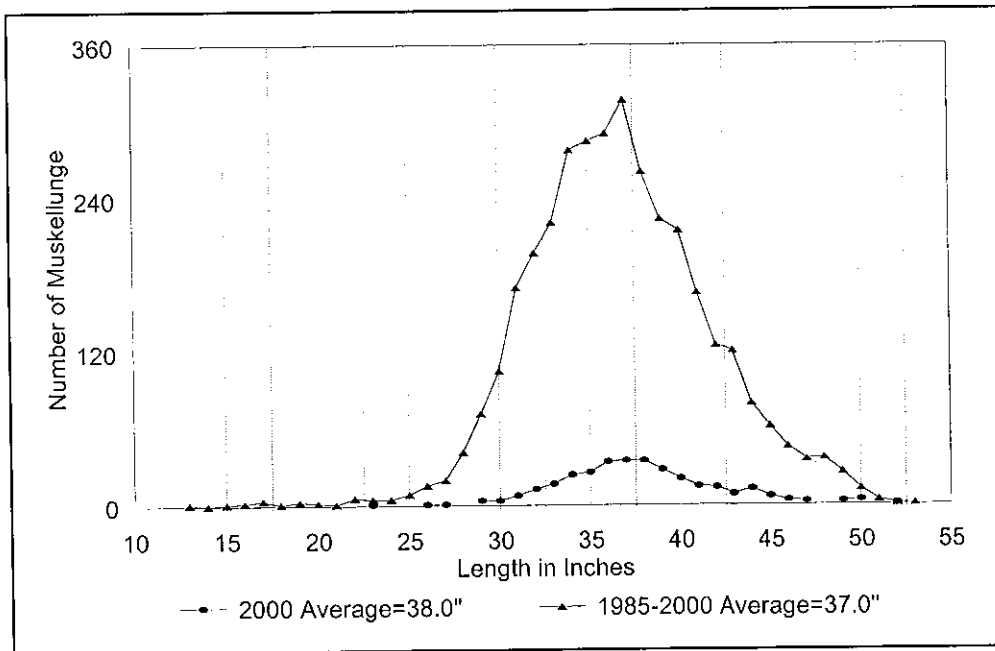
Of the measured catch in 2000, 10% (32 of 325 muskellunge) were 32 inches and smaller, while 6.8% (22 fish) were 45 inches and larger. For the 3,472 muskellunge measured from 1985-2000, 662 fish or 19% of the sample were less than or equal to 32 inches; 226 fish or 6.5% were 45 inches and larger (Appendix F).

The number of muskellunge per spearer averaged 0.74 for all tribes combined. In other words, 74 muskellunge were taken for every 100 spearers. From 1987-1999 the number per spearer ranged from 0.16 to 1.19. The combined tribal catch rate for muskellunge in 2000 was 0.16 muskellunge per boat-hour which was within the range of CPE's from 1987-1999 (0.07 to 0.19).

**Figure 10.** Number of muskellunge harvested during spring spearing seasons from 1985-2000.



**Figure 11.** Length-frequency of muskellunge speared during spring 2000 and during the sixteen year period 1985-2000.



## **Bass Harvest**

A total of 221 bass were harvested from 39 lakes in 12 counties (Appendix G). Species was recorded for all bass. A total of 179 largemouth bass were taken from 30 lakes in 10 counties and averaged 15.8 inches. Ten or more largemouth were speared from 6 lakes, 6-9 from 2 lakes, and 5 or less were taken from 22 lakes. The number harvested per surface acre of water averaged 0.0084 largemouth bass (range: 0.0004-0.0640).

A total of 42 smallmouth bass were speared from 15 lakes in 8 counties. Average length was 16.5 inches. Five or fewer fish were taken from all but three lakes. The number harvested per surface acre averaged 0.0024 smallmouth bass (range: 0.0007-0.0080).

Lengths of 221 measured bass ranged from 11.1-21.3 inches (Figure 13) and averaged 15.9 inches (Appendix H). Of the 2,708 bass speared during the sixteen spearing seasons combined, 2,558 have been measured. Average length for this sample was 15.4 inches (annual range: 15.0-15.9 inches).

For all tribes combined the number of bass per spearer (CPE) was 0.50. This CPE ranged from 0.29 to 0.66 from 1987-1999. The combined tribal catch rate for bass in 2000 was 0.11 bass per boat-hour which was within the range of CPE's from 1987-1999 (0.06 to 0.14).

Figure 12. Number of bass harvested during spring spearing seasons from 1985-2000.

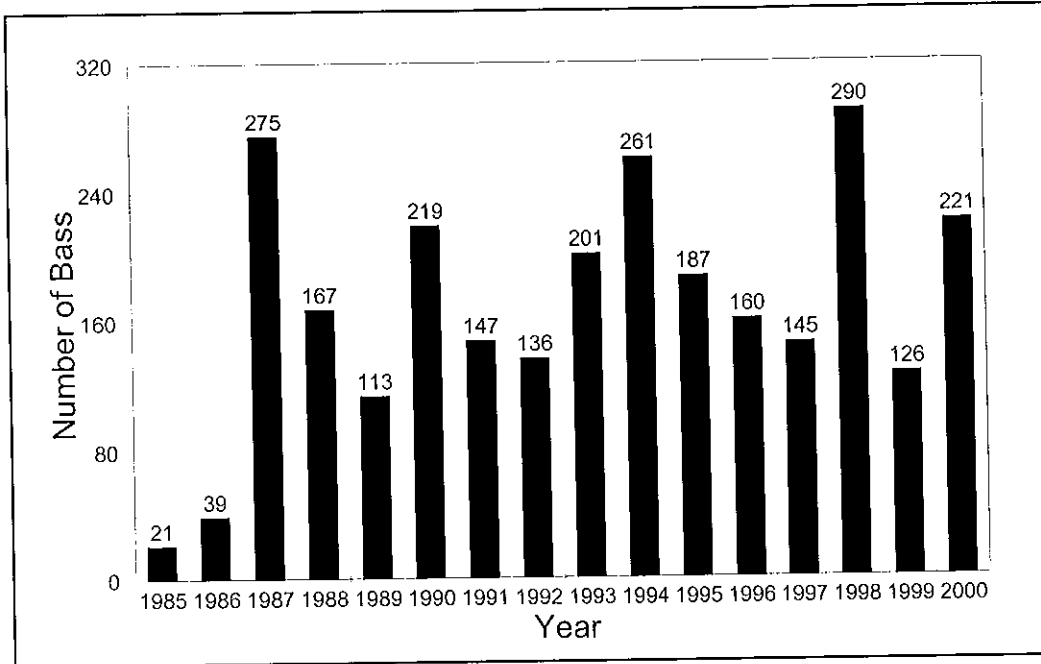
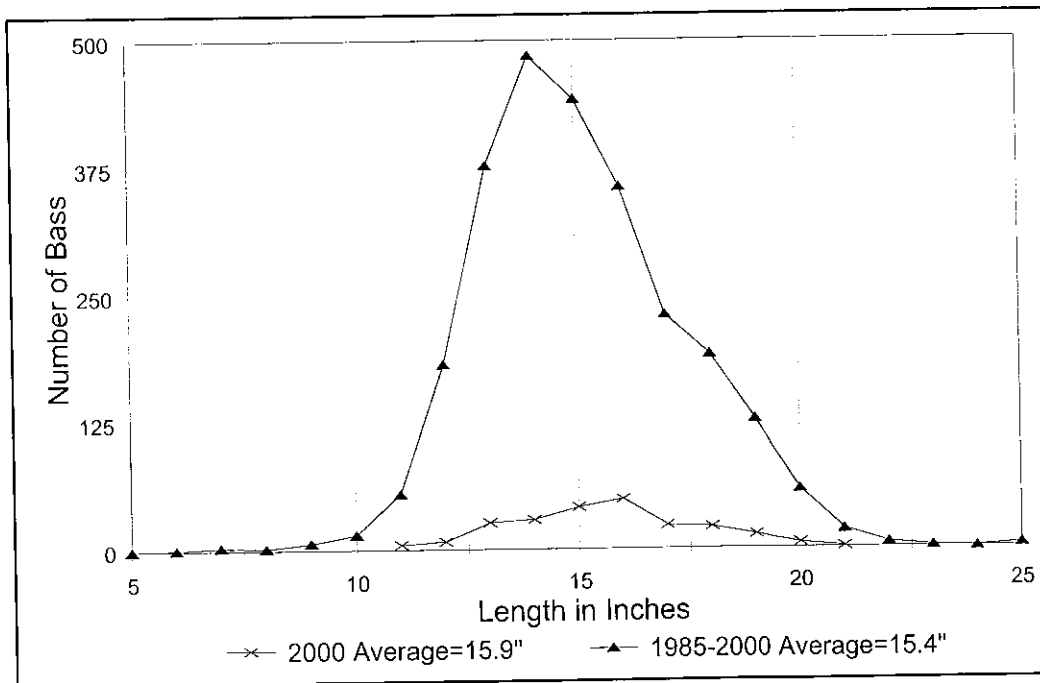


Figure 13. Length-frequency for bass taken during 2000 and during the sixteen year period 1985-2000.





## **Northern Pike Harvest**

A total of 54 northern pike were harvested from 29 lakes in 14 counties (Appendix G). The number speared per lake never exceeded 5 fish. Catch per surface acre of water averaged 0.0024 (range: 0.0001-0.0108).

Lengths of 54 measured northern pike ranged from 16.9 to 39.3 inches and averaged 27.0 inches (Appendix I, Figure 15). During the sixteen spring seasons combined a total of 533 northern pike have been speared (Appendix I). Of these, 464 were measured and length averaged 26.2 inches. Harvest of pike continues to be incidental and an insignificant component of the fishery.

Figure 14. Number of northern pike harvested during spring spearing seasons from 1985-2000.

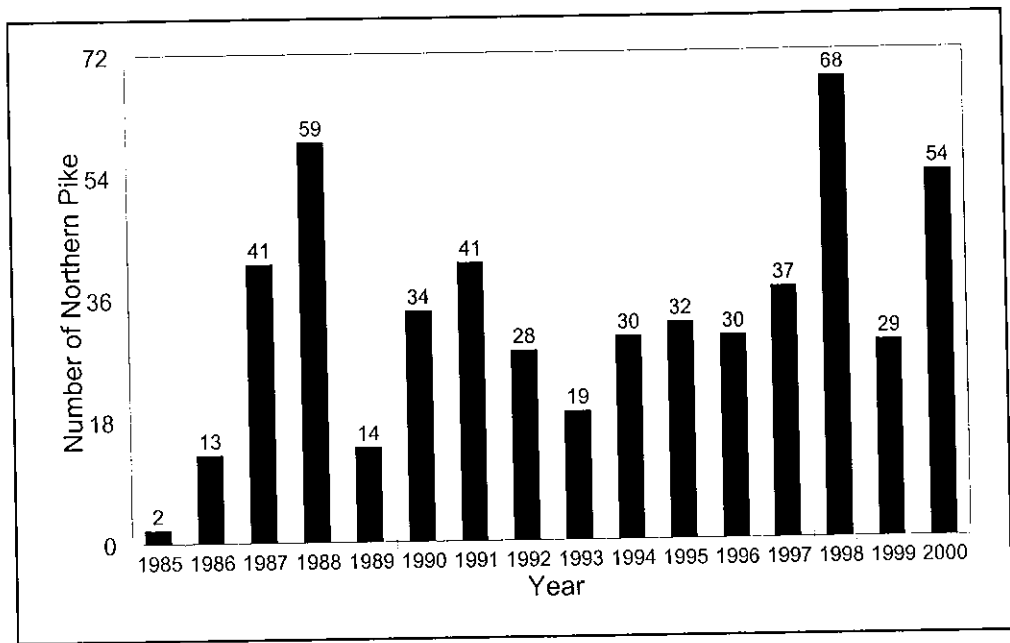
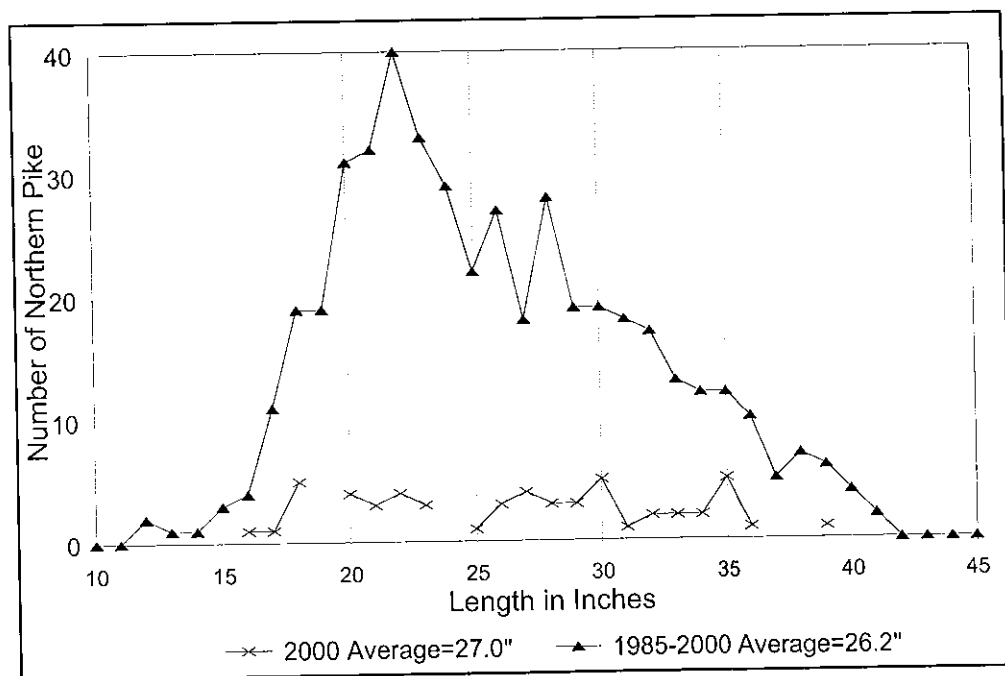


Figure 15. Length frequency of northern pike speared during 2000 and during the sixteen year period from 1985-2000.



## ACKNOWLEDGMENTS

The author extends a "Meegwitch" 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:

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Lac du Flambeau (LDF) - Paula Big John, Cynthia Carufel, Philip Chapman, Carla Clements, George Clements, Mark Doud, Anita Koser, Beverly LaBarge, Michelle LaBarge, Clyde Mann, Gerald Mann, Lyle Mann, Tammy Mann, Scott Poupart, Thomas Poupart Sr., Lois Vetterneck, Cheyenne White, George White, Aaron Wolfe, Christine Zortman, and Raymond Zortman.

Lac Vieux Desert (LVD) - Ira Antone Sr., Michelle Hall, Kurt Klingman, Sam Klingman, and Anthony LaBine.

Mole Lake (MLK) - Shannon Biggerstaff, Tonya Burnett, Lynette Evans, Mildred McGeshick, Paula McGeshick, Willard McGeshick, Matt McPherson, Peter Mulroy, Frank Olds, Brenda Poler, Karl Riebe, William Roessger, James Smith, and Terry Spencer.

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The patience and humor of tribal members during the nightly counting and measuring of fish continues to be recognized and appreciated.

Thanks also go to Annie Thannum and Kim Campy for their diligence in compiling nightly harvest statistics, in providing these data to tribal and WDNR representatives, and in updating each day the list of lakes selected for harvest, along with the adjusted quota, the bag limits, and the number of permits available for each lake. Finally, I would like to thank Neil Kmiecik, Joe Dan Rose, and Rick Madsen for editing this report.

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## LIST OF APPENDICES

APPENDIX	PAGE
A    Number of tribal members that speared one or more nights on lakes selected by six Wisconsin Chippewa bands during the 2000 spring spear fishery .....	25
B    Number of walleye harvested nightly on lakes speared by six Wisconsin Chippewa bands during spring 2000. Also, balance of quota, number of boat-hours and catch per effort (CPE = walleye per boat-hour) per lake .....	26
C    Total number of walleye measured by per inch group and sexed during spring spearing 2000. Data arranged alphabetically by tribe, county, and lake .....	40
D    Number of walleye per inch group taken during spring spearing seasons from 1985-2000 .....	47
E    Number of muskellunge harvested nightly on lakes speared by six Wisconsin Chippewa bands during spring 2000. Also average length and harvest per acre .....	48
F    Number of muskellunge per inch group taken during spring spearing seasons from 1985-2000 .....	54
G    Number, average length, and harvest per acre of bass (largemouth and smallmouth), and northern pike from various lakes during spring spearing in 2000 .....	55
H    Number of bass (largemouth and smallmouth combined) taken during spring spearing seasons from 1985-2000 .....	56
I    Number of northern pike per inch group taken during spring spearing seasons from 1985-2000 .....	57

Appendix A. Number of tribal members that speared one or more nights on lakes selected by six Wisconsin Chippewa bands during the 2000 spring spear fishery.

Number of Nights	BRV <sup>1</sup>	LCO	LDF	MLK <sup>2</sup>	RCF	STC <sup>3</sup>	Total:	Percent of Total:	Cumulative Percent:
1	22	33	44	22	25	17	163	37.0%	37.0%
2	9	12	24	13	9	5	72	16.3%	53.3%
3	3	8	18	4	5	4	42	9.5%	62.8%
4	4	4	15	4	4	5	36	8.2%	71.0%
5	1	4	8	3	5	5	26	5.9%	76.9%
6	1	3	8	2	5	5	24	5.4%	82.3%
7	1	5	6	4	3	0	19	4.3%	86.6%
8	0	2	4	1	0	1	8	1.8%	88.4%
9	0	1	3	3	0	1	8	1.8%	90.2%
10	2	1	9	2	0	1	15	3.4%	93.7%
11	0	0	5	1	0	1	7	1.6%	95.2%
12	0	0	4	0	1	1	6	1.4%	96.6%
13	1	1	0	1	0	0	3	0.7%	97.3%
14	0	1	1	1	0	0	3	0.7%	98.0%
15	0	0	0	0	0	0	0	0.0%	98.0%
16	0	1	1	0	0	2	4	0.9%	98.9%
17	0	0	1	0	0	0	1	0.2%	99.1%
18	0	0	0	0	0	1	1	0.2%	99.3%
19	0	0	0	0	0	0	0	0.0%	99.3%
20	0	0	0	0	0	0	0	0.0%	99.3%
21	0	0	0	0	0	0	0	0.0%	99.3%
22	0	0	0	0	0	0	0	0.0%	99.3%
23	0	0	0	0	0	0	0	0.0%	99.3%
24	0	0	0	0	0	0	0	0.0%	99.3%
25	0	0	0	0	0	1	1	0.2%	99.5%
26	0	0	0	0	0	0	0	0.0%	99.5%
27	0	0	0	0	0	0	0	0.0%	99.5%
28	0	2	0	0	0	0	2	0.5%	100.0%
29	0	0	0	0	0	0	0	0.0%	100.0%
30	0	0	0	0	0	0	0	0.0%	100.0%
Total:	44	78	151	61	57	50	441	100%	100%

<sup>1</sup> Includes 2 members from St. Croix.

<sup>2</sup> Includes 2 members from Red Cliff.

<sup>3</sup> Includes 2 members from Bad River and 7 from Mille Lacs.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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	Bad River Lake	Area	Walleye Safe Harvest	2000 Tribal Quota	March 24	25	31	April 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
ASHLAND	BEAR L	204	86	51																				
BAYFIELD	L OWEN	1323	294	139					6						**									
BAYFIELD	NAMEKAGON L	3227	1173	351					50				163	**						**				
BAYFIELD	SISKIWIW L	330	193	115																				
BURNETT	CLAM R FL	359	147	88																				
CHIPPEWA	L WISSOTA	8300	2196	1207	0	**	64																	
CHIPPEWA	LONG L	1052	408	244	16	77	36	115																
DOUGLAS	AMNICON L	426	217	130																				
DOUGLAS	BOND L	292	121	72																				
DOUGLAS	DOWLING L	154	66	39																				
DOUGLAS	L MINNESUING	432	176	105																			**	
DOUGLAS	WHITEFISH L	832	327	196																				
DUNN	TAINTER L	1752	661	396																				
IRON	ECHO L	220	92	55																				
IRON	FISHER L	452	53	31																				
IRON	L OF THE FALLS	338	139	83																				
IRON	LONG L	396	47	28																				
IRON	PINE L	312	148	88																				
IRON	SPIDER L	352	99	59																				
IRON	TRUDE L	781	308	184																				
IRON	TURTLE-FLAMBEAU FL	13545	4486	1100																				
OCONTO	WHEELER L	293	121	16																				
PRICE	DUROY L	379	155	92																				
PRICE	LONG L	418	170	101											**									
PRICE	ROUND L	726	384	230											94									
PRICE	SOLBERG L	859	337	202																				
RUSK	CHAIN L	468	190	113	**	**	**	**																
RUSK	DAIRYLAND RESERVOIR	1745	656	394																				
RUSK	ISLAND L	526	212	127	**	18	**	61	**															
SAWYER	CONNORS L	429	175	104				31	**						33									
SAWYER	NELSON L	2503	1252	375				**	**					**	**	64		20		100				
SAWYER	TEAL L	1049	407	244										**	244									
TAYLOR	RIB L	320	223	133																				
VILAS	ANNABELLE L	213	121	72																				
VILAS	BLACK OAK L	584	241	144																				
VILAS	CRAB L	949	370	221																			0	
VILAS	FOREST L	466	189	113																				
VILAS	HARRIS L	507	205	122																			**	
VILAS	HIGH L	734	290	173																				
VILAS	LOST CANOE L	249	104	62																				
VILAS	MAMIE L	400	188	112																				
VILAS	N TURTLE L	369	151	90																				
VILAS	PRESQUE ISLE L CHAIN	1571	252	151																				
VILAS	S TURTLE L	454	184	110																				
VILAS	TENDERFOOT L	437	156	93																				
Number of lakes:			45			4	4	4	5	4	0	0	0	3	3	5	0	1	0	2	0	2	0	1
Area in acres:			49,727										163	244	191	0	20	0	100	0	0	0	0	
Number of walleye:			18,172	8,355		16	95	100	207	56	0	0	0	8	10	10	0	3	0	2	0	3	0	0
Number of spearer-nights:						4	6	7	10	5	0	0	0	4	5	4	0	1	0	1	0	1	0	0
Number of interviews with effort:						2	3	3	4	2	0	0	0	4	5	4	0	1	0	1	0	1	0	0
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:						6.2	6.8	10.5	13.9	3.8	0.0	0.0	0.0	10.5	6.6	12.8	0.0	4.0	0.0	3.4	0.0	1.0	0.0	0.0
Catch-per-effort:						2.6	14.0	9.5	14.9	14.9	0.0	0.0	0.0	15.5	37.0	15.0	0.0	5.0	0.0	29.4	0.0	0.0	0.0	0.0

\* Lakes not speared during spring 2000  
 \*\* Lakes open for spearing but no effort.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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	Lake	Area	Walleye Safe Harvest	2000 Tribal Quota	17	18	19	20	21	22	23	24	25	26	27	28	29	Total Harvest	Quota Balance	Boat- Hour	CPE	
																						Bad River
ASHLAND	BEAR L	204	86	51															0	51	*	
BAYFIELD	L OWEN	1323	294	139			0						19					25	114	6.5	3.8	
BAYFIELD	NAMEKAGON L	3227	1173	351		48	18						**					279	72	18.6	15.0	
BAYFIELD	SISKIWIT L	330	193	115														0	115	*	*	
BURNETT	CLAM R FL	359	147	88														0	88	*	*	
CHIPPEWA	L WISSOTA	6300	2196	1207														64	1143	10.2	6.3	
CHIPPEWA	LONG L	1052	408	244														244	0	18.8	13.0	
DOUGLAS	AMNICON L	426	217	130														0	130	*	*	
DOUGLAS	BOND L	292	121	72														0	72	*	*	
DOUGLAS	DOWLING L	154	66	39														0	39	*	*	
DOUGLAS	L MINNESUING	432	176	105														0	105	*	*	
DOUGLAS	WHITEFISH L	832	327	196	35													35	161	5.3	6.6	
DUNN	TAINTER L	1752	661	396														0	396	*	*	
IRON	ECHO L	220	92	55														0	55	*	*	
IRON	FISHER L	452	53	31														0	31	*	*	
IRON	L OF THE FALLS	338	139	83													17	17	66	3.0	5.7	
IRON	LONG L	396	47	28														0	28	*	*	
IRON	PINE L	312	148	88												39		39	49	5.3	7.4	
IRON	SPIDER L	352	99	59														0	59	*	*	
IRON	TRUDE L	781	308	184					85	101								186	-2	8.3	22.5	
IRON	TURTLE-FLAMBEAU FL	13545	4486	1100					**	**	404		479	100		50	67	1100	0	42.1	26.2	
OCONTO	WHEELER L	293	121	16					**	**								0	16	*	*	
PRICE	DUROY L	379	155	92					**	**								0	92	*	*	
PRICE	LONG L	418	170	101					**	**						64		158	72	14.5	10.9	
PRICE	ROUND L	726	384	230					**	**								171	31	12.6	13.6	
PRICE	SOLBERG L	859	337	202					123				48					0	113	*	*	
RUSK	CHAIN L	468	190	113														0	394	*	*	
RUSK	DAIRYLAND RESERVOIR	1745	658	394														79	48	5.1	15.6	
RUSK	ISLAND L	526	212	127														64	40	5.7	11.3	
SAWYER	CONNORS L	429	175	104														201	174	15.4	13.1	
SAWYER	NELSON L	2503	1252	375		17												244	0	6.6	37.0	
SAWYER	TEAL L	1049	407	244														0	133	*	*	
TAYLOR	RIB L	320	223	133														10	62	1.8	5.7	
VILAS	ANNABELLE L	213	121	72								10	**					68	76	3.8	18.1	
VILAS	BLACK OAK L	584	241	144													**	134	207	14	18.8	11.0
VILAS	CRAB L	949	370	221							73	0	**					113	0	4.5	25.1	
VILAS	FOREST L	466	189	113												113		122	0	3.7	33.0	
VILAS	HARRIS L	507	205	122					122	**	173							173	0	7.3	23.7	
VILAS	HIGH L	734	290	173					**	**								0	62	*	*	
VILAS	LOST CANOE L	249	104	62														56	56	2.0	28.0	
VILAS	MAMIE L	400	188	112														0	90	*	*	
VILAS	N TURTLE L	369	151	90														0	90	*	*	
VILAS	PRESQUE ISLE L CHAIN	1571	252	151				**	151									151	0	6.5	23.2	
VILAS	S TURTLE L	454	184	110														0	110	*	*	
VILAS	TENDERFOOT L	437	156	93														0	93	*	*	
Number of lakes:		45			1	2	3	0	7	3	2	2	7	1	3	3	4					
Area in acres:		49,727																				
Number of walleye:			18,172	8,355	35	65	18	0	481	274	477	10	546	100	233	89	286	3,806	4,549			
Number of spearer-nights:					2	5	4	0	21	11	16	4	14	4	12	6	11	178				
Number of interviews with effort:					1	2	2	0	9	6	6	2	6	2	6	3	7	82				
Number of interviews without effort:					0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Number of boat-hours:					5.3	7.8	4.0	0.0	21.6	11.8	19.3	4.3	28.0	2.5	13.5	8.0	20.5			225.9		
Catch-per-effort:					6.7	8.3	4.5	0.0	22.3	23.2	24.7	2.4	19.5	40.0	17.3	11.1	14.0				16.8	

\* Lakes not speared during spring 2000.  
 \*\* Lakes open for spearing but no effort.



Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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	Lac Courte Oreilles		Walleye		2000																													
	Lake	Area	Safe Harvest	Tribal Quota	March 24	March 25	March 26	March 27	March 28	March 29	March 30	March 31	April 1	April 2	April 3	April 4	April 5	April 6	April 7	April 8	April 9	April 10	April 11	April 12	April 13	April 14	April 15	April 16	April 17	April 18	April 19			
RUSK	AMACOY L	278	35	29																														
RUSK	POTATO L	534	17	72													34																	
RUSK	PULASKI L	126	54	29																														
RUSK	SAND L	262	33	28																					25									
SAWYER	BARBER L	238	30	25													**																	
SAWYER	DURPHEE L	193	9	42														185	41		42													
SAWYER	GRINDSTONE L	3111	556	305																														
SAWYER	L CHETAC	1920	720	611													165																	
SAWYER	L CHIPPEWA	15300	8686	2673													62	211	80	97	**	65	91	48	37	303	**	**	78	214	**			
SAWYER	L OF THE PINES	273	114	62																														
SAWYER	LAC COURTE OREILLES	5039	586	234																														
SAWYER	LITTLE ROUND L	229	77	42																														
SAWYER	LOST LAND L	1304	500	274																														
SAWYER	ROUND L	3054	672	268																														
SAWYER	SAND L	928	363	308																														
SAWYER	SISSABAGAMA L	719	285	242																														
SAWYER	SMITH L	323	133	73																														
SAWYER	SPIDER L	1454	147	80																														
SAWYER	TIGER CAT FL	819	21	19																														
SAWYER	WHITEFISH L	786	86	47																														
SAWYER	WINDFALL L	102	44	24																														
WASHBURN	BIRCH L	368	44	24																														
WASHBURN	LONG L	3290	464	92																														
WASHBURN	STONE L	523	61	33																														
	Number of lakes:	24			0	0	0	0	0	0	4	4	4	4	4	1	5	5	3	4	4	4	4	4	3	3	3	2	0	3	3	12		
	Area in acres:	41,173																																
	Number of walleye:		11,737	5,636	0	0	0	0	0	199	282	365	577	87	62	533	156	373	107	94	178	192	159	121	344	0	0	0	0	143	275	0		
	Number of spearer-nights:				0	0	0	0	0	23	18	19	27	14	2	33	16	23	9	8	15	22	13	10	12	0	0	0	0	9	20	0		
	Number of interviews with effort:				0	0	0	0	0	13	9	7	12	12	1	17	8	11	5	5	9	11	5	5	8	0	0	0	5	11	0			
	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		
	Number of boat-hours:				0.0	0.0	0.0	0.0	0.0	23.3	23.9	21.8	29.9	17.7	3.1	24.6	17.7	36.9	12.5	7.7	16.3	22.3	9.7	9.6	14.6	0.0	0.0	0.0	17.5	34.9	0.0			
	Catch-per-effort:				0.0	0.0	0.0	0.0	0.0	8.6	11.8	16.7	19.3	11.2	20.0	21.7	8.8	10.1	8.6	12.3	10.9	8.6	16.4	12.6	23.6	0.0	0.0	0.0	8.2	7.9	0.0			

\* Lakes not speared during spring 2000.  
 \*\* Lakes open for spearing but no effort.  
 \*\*\* Lakes opened for muskellunge harvest only.

Appendix B. Number of walleyes harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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	Lac Courte Oreilles		Walleye		2000												Total Harvest	Quota Balance	Boat-Hour	CPE		
	Lake	Area	Safe Harvest	Tribal Quota	20	21	22	23	24	25	26	27	28	29	30	May					3	4
RUSK	AMACON L	278	35	29														29	0	3.9	7.4	
RUSK	POTATOL	534	17	72														72	0	7.7	9.4	
RUSK	PULASKIL	126	54	29														29	0	4.3	6.8	
RUSK	SAND L	262	33	28														28	0	2.8	10.2	
SAWYER	BARBER L	238	30	25														25	0	1.2	20.8	
SAWYER	DURPHEE L	193	9	42														42	0	1.2	35.9	
SAWYER	GRINDSTONE L	3111	556	305														305	0	26.4	11.6	
SAWYER	L CHETAC	1920	720	611														611	0	24.7	24.8	
SAWYER	L CHIPPEWA	15300	6686	2673	39	339	117	100	132	**	22							2673	0	142.3	18.8	
SAWYER	L OF THE PINES	273	114	62				13										18	44	2.7	6.6	
SAWYER	LAC COURTE OREILLES	5039	586	234						1								234	0	39.8	5.9	
SAWYER	LITTLE ROUND L	229	77	42									**	10	**	7	7	24	18	6.3	3.8	
SAWYER	LOST LAND L	1304	500	274	**	**	0	**	**	116								274	0	27.7	9.9	
SAWYER	ROUND L	3054	672	268						34								268	0	35.2	7.6	
SAWYER	SAND L	928	363	308											28	45		308	0	53.9	5.7	
SAWYER	SISSABAGAMA L	719	285	242														242	0	11.3	21.4	
SAWYER	SMITH L	323	133	73														73	0	6.8	10.8	
SAWYER	SPIDER L	1454	147	80														80	0	4.1	19.5	
SAWYER	TIGER CAT FL	819	21	19														19	0	1.5	11.9	
SAWYER	WHITEFISH L	786	86	47														47	0	9.2	5.1	
SAWYER	WINDFALL L	102	44	24														24	0	0.4	60.0	
WASHBURN	BIRCH L	368	44	24														24	0	2.7	9.1	
WASHBURN	LONG L	3250	464	92														92	0	9.3	9.9	
WASHBURN	STONE L	523	61	33														33	0	1.5	22.0	
	Number of lakes:	24			2	2	2	2	3	2	3	1	2	2	3	3	2	3				
	Area in acres:	41,173																				
	Number of walleye:		11,737	5,636	39	339	117	100	145	116	35	22	206	72	49	28	52	7	0	5,574	62	
	Number of spearer-nights:				1	8	8	7	8	7	9	2	12	10	6	4	11	2	0	388		
	Number of interviews with effort:				1	5	4	3	5	4	5	1	6	4	3	2	6	1	0	204		
	Number of interviews without effort:				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Number of boat-hours:		3.6	12.7	9.0	12.0	11.3	16.9	10.3	12.3	24.1	12.9	4.9	4.8	5.6	2.2	0.0			426.5		
	Catch-per-effort:		10.8	25.7	13.0	8.3	12.8	16.8	3.4	9.6	18.6	5.6	10.0	5.8	9.3	3.2	0.0			13.1		

\* Lakes not speared during spring 2000.

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\*\*\* Lakes opened for muskellunge harvest only

Appendix B Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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	Lac du Flambeau	Area	Walleye Safe Harvest	2000 Tribal Quota	April	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
					2																	
IRON	GILE FL	3384	1227	674							**	**										
IRON	TURTLE-FLAMBEAU FL	13545	4486	2000													477	383	223	486	359	
LINCOLN	RICE R FL CHAIN	3764	1428	785	83	57	514	119														
ONEIDA	BEARSKIN L	400	376	150	83	23			44													
ONEIDA	BOOM L	437	178	97		**	**	**		**	**	**	**	**								
ONEIDA	BOOTH L	207	23	9																		
ONEIDA	BUCKSKIN L	634	364	145	144																	
ONEIDA	CARROL L	335	41	22								8	14									
ONEIDA	CLEAR L	846	332	182						56	69	17	22				18					
ONEIDA	DAM L	744	294	161				10	90	**	61											
ONEIDA	GEORGE L	435	243	97	96										**			**			20	
ONEIDA	GILMORE L	301	37	20																		
ONEIDA	HASBROOK L	302	125	68			68															
ONEIDA	KATHERINE L	590	236	129	71	**			58													
ONEIDA	KAWAGUESAGA L	670	367	146							146											
ONEIDA	L THOMPSON	382	63	25	**	**	**	**		**		**	**	**								
ONEIDA	MADELINE L	159	8	4																		
ONEIDA	MANSON L	236	99	54	54																	
ONEIDA	MEDICINE L	372	152	83					19	35												
ONEIDA	MINOCQUA L	1360	659	263							191	0	59									
ONEIDA	MOEN L	460	186	102	41	**	**	**		**	**	**	64									
ONEIDA	MUSKELLUNGE L	284	118	64			64															
ONEIDA	N NOKOMIS L	476	132	52			51															
ONEIDA	PICKEREL L	738	82	45				**	7			3		**			19	**	**	**	**	**
ONEIDA	RAINBOW FL	2035	852	340				0		0	3	0	**	**	**	**	**	**	**	**	**	**
ONEIDA	RHINELANDER FL	1326	508	279		**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
ONEIDA	SAND L	540	217	119				108	0	**	0											
ONEIDA	SQUIRREL L	1317	859	343							338											
ONEIDA	TOMAHAWK L CHAIN	3552	893	357																		
ONEIDA	TWO SISTERS L	719	144	57																		
ONEIDA	WILLOW FL	6135	1814	997	**	**		121	24	0	104	114	102	**	208	164	**	**	**	**	**	34
PRICE	BUTTERNUT L	1006	376	150			**	**	53	97												
PRICE	PIKE L	806	183	77		34	42															
PRICE	TURNER L	149	39	15		**	**															
VILAS	ALDER L	274	326	130										**		71	59					
VILAS	ANVIL L	380	156	85					71													
VILAS	BALLARD L	505	59	32																		
VILAS	BIG ARBOR VITAE L	1090	560	223																		
VILAS	BIG L (BOULDER JCT)	835	328	180												150	31					
VILAS	BIG L (MI BORDER)	771	436	174																		
VILAS	BIG MUSKELLUNGE L	930	363	199																		197
VILAS	BIG PORTAGE L	638	254	139											139							
VILAS	BIG ST GERMAIN L	1617	438	175																		
VILAS	BIRCH L	528	213	117														16	**	**	**	**
VILAS	BOULDER L	524	343	137												103	34					
VILAS	CLEAR L	555	198	79													79					
VILAS	EAGLE L	572	229	125									115									
VILAS	FISHTRAP L	329	136	74												72						
VILAS	ISLAND L	1023	819	327										210	117							
VILAS	JAG L	158	67	36																		
VILAS	L LAURA	599	254	101							108			27								
VILAS	LITTLE ARBOR VITAE L	534	335	133														51				
VILAS	LITTLE JOHN L	166	131	52																**	**	1
VILAS	LITTLE ST GERMAIN L	980	105	57																		
VILAS	LITTLE STAR L	244	61	24													24					
VILAS	LITTLE TROUT L	978	114	62															**	**	**	**
VILAS	MANITOWISH L	506	126	50											**		24	**	**	**	**	**
VILAS	OXBOW L	511	206	113																	31	**
VILAS	PAPOOSE L	428	174	95														92				

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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	Lac du Flambeau Lake	Area	Walleye Safe Harvest	2000 Tribal Quota	19	20	21	22	23	24	25	26	27	May			Total Harvest	Quota Balance	Boat- Hour	CPE
												1	2	3						
IRON	GILE FL	3384	1227	674			390	82	165	**		**	**			637	37	6.3	101.1	
IRON	TURTLE-FLAMBEAU FL	13545	4486	2000	**	**	72									2000	0	73.1	27.4	
LINCOLN	RICE R FL CHAIN	3764	1428	785												773	12	26.7	29.0	
ONEIDA	BEARSKIN L	400	376	150									***			150	0	8.9	16.9	
ONEIDA	BOOM L	437	178	97		**	**	0	**							0	97	4.0	0.0	
ONEIDA	BOOTH L	207	23	9												0	9		*	
ONEIDA	BUCKSKIN L	634	364	145												144	1	4.2	34.3	
ONEIDA	CARROL L	335	41	22												22	0	2.1	10.5	
ONEIDA	CLEAR L	846	332	182								***		***	***	182	0	19.0	9.6	
ONEIDA	DAM L	744	294	161												161	0	11.1	14.5	
ONEIDA	GEORGE L	435	243	97												96	1	2.1	45.7	
ONEIDA	GILMORE L	301	37	20												20	0	1.3	15.4	
ONEIDA	HASBROOK L	302	125	68												68	0	2.4	28.3	
ONEIDA	KATHERINE L	590	236	129												129	0	6.9	18.7	
ONEIDA	KAWAGUESAGA L	670	367	146												146	0	6.3	23.2	
ONEIDA	L THOMPSON	382	63	25					**	**						0	25		*	
ONEIDA	MADELINE L	159	8	4												0	4		*	
ONEIDA	MANSON L	236	99	54												54	0	3.2	16.9	
ONEIDA	MEDICINE L	372	152	83			**	**	**	**			**			54	29	4.0	13.5	
ONEIDA	MINOCQUA L	1360	659	263							14					264	-1	15.7	16.8	
ONEIDA	MOEN L	460	186	102												95	7	5.9	16.1	
ONEIDA	MUSKELLUNGE L	284	118	64												64	0	1.1	58.2	
ONEIDA	N NOKOMIS L	476	132	52												51	1	5.0	10.2	
ONEIDA	PICKEREL L	736	82	45	**			**	8							37	8	6.8	5.4	
ONEIDA	RAINBOW FL	2035	852	340	**	10	25	258	44							340	0	23.6	14.4	
ONEIDA	RHINELANDER FL	1326	508	279		**		0	**							0	279	2.5	0.0	
ONEIDA	SAND L	540	217	119												108	11	7.1	15.2	
ONEIDA	SQUIRREL L	1317	859	343								5				343	0	17.8	19.3	
ONEIDA	TOMAHAWK L CHAIN	3552	893	357							***	***				357	0	21.0	17.0	
ONEIDA	TWO SISTERS L	719	144	57												56	1	2.6	21.5	
ONEIDA	WILLOW FL	5135	1814	997	52		74									997	0	64.4	15.5	
PRICE	BUTTERNUT L	1006	376	150												150	0	4.2	35.7	
PRICE	PIKE L	806	193	77												76	1	6.2	12.3	
PRICE	TURNER L	149	39	15												0	15		*	
VILAS	ALDER L	274	326	130												130	0	9.5	13.7	
VILAS	ANVIL L	380	156	85												71	14	3.5	20.3	
VILAS	BALLARD L	505	59	32	32											32	0	1.4	22.9	
VILAS	BIG ARBOR VITAE L	1090	560	223						**	9					222	1	14.7	15.1	
VILAS	BIG L (BOULDER JCT)	835	328	180												181	-1	6.7	27.0	
VILAS	BIG L (MI BORDER)	771	436	174		**	171									171	3	5.8	29.5	
VILAS	BIG MUSKELLUNGE L	930	363	199											2	199	0	7.5	26.5	
VILAS	BIG PORTAGE L	638	254	139												139	0	4.3	32.3	
VILAS	BIG ST GERMAIN L	1617	438	175							0					172	3	4.5	38.2	
VILAS	BIRCH L	528	213	117		**	16	9	**	**						44	73	8.4	5.3	
VILAS	BOULDER L	524	343	137												137	0	7.8	17.6	
VILAS	CLEAR L	555	198	79												79	0	3.0	26.3	
VILAS	EAGLE L	572	229	125												115	10	5.5	20.9	
VILAS	FISHTRAP L	329	136	74												72	2	3.3	21.8	
VILAS	ISLAND L	1023	819	327									***			327	0	14.7	22.2	
VILAS	JAG L	158	67	36				**	**	**	2					2	34	1.3	1.5	
VILAS	L LAURA	599	254	101	43		59									102	-1	6.4	15.9	
VILAS	LITTLE ARBOR VITAE L	534	335	133										***	***	133	0	5.9	22.5	
VILAS	LITTLE JOHN L	166	131	52												51	1	0.8	68.0	
VILAS	LITTLE ST GERMAIN L	980	105	57	21			35								57	0	9.0	6.3	
VILAS	LITTLE STAR L	244	61	24												24	0	1.4	17.1	
VILAS	LITTLE TROUT L	978	114	62												0	62		*	
VILAS	MANITOWISH L	506	126	50		**		26								50	0	6.4	7.9	
VILAS	OXBOW L	511	206	113	82											113	0	5.1	22.2	
VILAS	PAPOOSE L	428	174	95												92	3	3.3	28.3	

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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.

<i>Lac du Flambeau</i>		Walleye Safe Harvest	2000 Tribal Quota	April 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
County	Lake	Area																			
VILAS	PICKEREL L	293	36	19																184	
VILAS	PLUM L	1033	401	220											50	36					
VILAS	REST L	608	229	91																	
VILAS	SNIPE L	239	100	54				21		29											
VILAS	SPARKLING L	154	21	11													**	**		**	
VILAS	SPIDER L	272	58	23																	
VILAS	SQUAW L	785	405	161	62	3	40	28				28									
VILAS	STAR L	1206	465	255																	
VILAS	TROUT L	3816	334	183														**		43	
VILAS	WHITE SAND L	728	81	44											9						
VILAS	WILD RICE L	379	25	9																	
	Number of lakes:	70			10	11	12	12	11	12	13	11	14	10	11	10	10	10	10	11	
	Area in acres:	72,832																			
	Number of walleye:		25,737	12,100	634	117	779	386	443	294	941	142	421	349	730	678	601	721	395	887	598
	Number of spearer-nights:				41	9	36	29	43	28	75	18	29	19	45	44	32	41	21	43	53
	Number of interviews with effort:				16	4	14	10	18	14	30	6	11	7	17	18	13	16	12	16	23
	Number of interviews without effort:				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Number of boat-hours:				29.8	8.7	29.9	22.9	34.0	18.2	63.5	5.7	24.3	14.3	32.2	39.5	19.1	33.3	21.6	26.0	38.6
	Catch-per-effort:				21.3	13.5	26.1	16.9	13.0	16.2	14.8	24.9	17.3	24.4	22.7	17.2	31.5	21.7	18.3	34.1	15.5

\* Lakes not speared during spring 2000  
 \*\* Lakes open for spearing but no effort  
 \*\*\* Lakes opened for muskellunge harvest only.

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County	Lac du Flambeau			Walleye Safe Harvest	2000 Tribal Quota	19	20	21	22	23	24	25	26	27	May			Total Harvest	Quota Balance	Boat-Hour	CPE	
	Lake	Area													1	2	3					
VILAS	PICKEREL L	293	36	19						**								0	19		*	
VILAS	PLUM L	1033	401	220	4	30										2		220	0	12.2	18.1	
VILAS	REST L	608	229	91														86	5	4.7	18.5	
VILAS	SNIPE L	239	100	54														50	4	4.2	11.9	
VILAS	SPARKLING L	154	21	11										**				0	11		*	
VILAS	SPIDER L	272	58	23		**	**	23										23	0	2.6	8.8	
VILAS	SQUAW L	785	405	161														161	0	12.3	13.1	
VILAS	STAR L	1206	465	255	239						12			**				251	4	15.6	18.1	
VILAS	TROUT L	3816	334	183		181				**	**	2	***					183	0	10.9	16.9	
VILAS	WHITE SAND L	728	81	44										**				43	1	1.2	35.8	
VILAS	WILD RICE L	379	25	9														9	0	1.3	7.2	
Number of lakes:		70			10	10	11	11	11	11	8	5	5	7	4	4	4					
Area in acres:		72,832																				
Number of walleye:			25,737	12,100	473	221	807	433	217	14	25	5	0	4	0	0	0	11,315	785			
Number of spearer-nights:					35	13	44	32	15	5	14	4	0	6	0	0	0	774				
Number of interviews with effort:					13	5	22	15	5	2	7	1	0	2	0	0	0	317				
Number of interviews without effort:					0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Number of boat-hours:					26.8	11.3	35.5	30.7	7.8	3.8	9.2	1.5	0.0	6.2	0.0	0.0	0.0				570.2	
Catch-per-effort:					17.7	19.6	22.7	14.1	27.8	3.7	2.7	3.3	0.0	0.6	0.0	0.0	0.0					19.8

\* Lakes not speared during spring 2000.  
 \*\* Lakes open for spearing but no effort.  
 \*\*\* Lakes opened for muskellunge harvest only.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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)		2000		March-April														Total Harvest	Quota Balance	Boat-Hour	CPE																			
	Area	Walleye Harvest	Tribal Quota	Safe Harvest	31	1	2	3	4	5	6	7	8	9	10	11	12	13					14	15	16	17	18	19	20	21	22	23	24	25	26	27					
FLORENCE	191	25	21	25																						0	21														
FLORENCE	247	12	9	12																						9	41	2.5													
FLORENCE	512	59	50	59																						72	0	4.2	17.3												
FLORENCE	202	85	72	85																						89	1	4.7	19.1												
FLORENCE	255	106	90	106																						0	46														
FLORENCE	127	55	46	55																						0	11														
FOREST	161	15	11	15																						0	161														
FOREST	468	190	161	190																						0	61														
FOREST	1292	538	414	538																						0	61														
FOREST	337	80	61	80																						0	10														
FOREST	892	349	296	349																						0	6														
FOREST	88	12	10	12																						0	8														
FOREST	177	8	6	8																						83	34														
FOREST	182	196	117	196																						0	12														
FOREST	33	15	12	15																						91	1	15.3	5.9												
FOREST	1026	109	92	109																						457	0	40.3	11.3												
FOREST	1991	594	457	594																						75	0	4.9	15.3												
FOREST	211	89	75	89																						8	132	3.2	2.5												
FOREST	1670	165	140	165																						0	14														
FOREST	82	19	14	19																						142	1	11.8	12.1												
FOREST	414	186	143	186																						0	58														
FOREST	207	203	156	203																						0	11														
FOREST	172	15	11	15																						0	7														
FOREST	60	9	7	9																						0	5														
LANGLADE	502	203	172	203																						0	90														
LANGLADE	35	5	4	5																						0	5														
LANGLADE	50	7	5	7																						0	12														
LANGLADE	110	15	12	15																						0	10														
LANGLADE	88	12	10	12																						0	11														
LANGLADE	90	13	11	13																						0	63														
LANGLADE	672	75	63	75																						0	12														
LANGLADE	112	15	12	15																						0	16														
LANGLADE	149	20	16	20																						0	115														
LANGLADE	757	150	115	150																						0	18														
LANGLADE	166	22	18	22																						0	228														
LINCOLN	677	268	228	268																						0	118														
LINCOLN	1369	139	118	139																						0	609														
LINCOLN	1910	717	609	717																						0	100														
LINCOLN	1683	131	100	131																						0	484														
MARINETTE	1488	570	484	570																						0	58														
OCONTO	430	74	56	74																						0	54														
OCONTO	149	64	54	64																						0	83														
OCONTO	235	98	83	98																						0	47														
OCONTO	230	62	47	62																						0	4.6														

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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 (Male Lake) Lake	Walleye		2000		March	April	May	June	July	August	September	October	November	December	Total	Quota	Boat- Hour	CPE															
		Area	Harvest	Tribal	Safe																													
OCONTO	WHEELER L	293	121	86		31	60									60	26	3.5	17.1															
ONEIDA	BIG FORK L	890	274	164												164	0	2.8	58.6															
ONEIDA	BIG L	365	339	288												288	0	9.8	29.4															
ONEIDA	BIG STONE L	548	220	186		23										43	143	5.6	7.7															
ONEIDA	COLUMBUS L	670	266	226												0	226																	
ONEIDA	CRESCENT L	612	245	208												191	17	10.9	17.6															
ONEIDA	HAT RAPIDS FL	650	259	220												0	220																	
ONEIDA	LAUREL L	232	97	82												0	82																	
ONEIDA	LONG L	820	248	210												120	90	3.9	30.8															
ONEIDA	LOWER NINE MILE L	846	73	62												0	62																	
ONEIDA	PELICAN L	3585	1074	644		362	213									644	0	32.9	19.6															
ONEIDA	PLANTING GROUND L	1012	394	235												236	0	7.4	31.8															
ONEIDA	SEVEN MILE L	503	203	172												164	8	14.6	11.3															
ONEIDA	SPIRIT L	368	151	143												1	142	2.8	0.4															
ONEIDA	SQUASH L	392	180	135												90	45	3.8	24.0															
ONEIDA	THUNDER L	1768	174	147												0	147																	
ONEIDA	THUNDER L	172	73	62												0	62																	
ONEIDA	VIRGIN L	276	115	97												0	97																	
VILAS	BIG SAND L	1408	143	85												60	25	2.5	24.0															
VILAS	CATFISH L	1012	394	334												328	6	24.4	13.4															
VILAS	CRANBERRY L	956	373	317												0	317																	
VILAS	LAC VIEUX DESERT	4300	993	652												631	21	15.9	39.7															
VILAS	LONG L	872	342	290												285	5	8.8	32.4															
VILAS	TWIN L CHAIN	3430	525	314												314	0	11.4	27.5															
	Number of lakes:	68				6	6	6	6	7	7	7	7	8	7	8	7	8	8	9														
	Area in acres:	47,919																																
	Number of walleye:	13,051		10,048		514	409	437	85	0	397	217	85	150	65	191	165	184	403	65	4	0	23	210	154	370	394	285	290	126	29	30	5,722	4,328
	Number of spearer-nights:					32	19	22	9	0	18	12	7	9	4	14	8	9	18	4	3	0	1	10	21	2	14	18	10	12	8	1	2	285
	Number of interviews with effort:					11	8	10	4	0	8	7	3	4	4	9	6	4	8	2	1	0	1	4	7	1	8	9	6	7	4	1	2	139
	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:					26.4	23.5	24.4	3.8	0.0	18.3	15.6	7.4	8.7	5.1	16.8	11.8	11.0	23.7	5.0	1.0	0.0	3.4	11.3	11.9	4.5	16.3	21.5	11.5	14.6	7.3	2.4	4.7	
	Catch-per-effort:					19.5	17.4	17.9	22.7	0.0	21.8	13.9	11.5	17.3	12.7	11.4	14.0	16.7	17.0	13.0	4.0	0.0	6.8	18.5	15.4	12.0	22.7	18.3	24.8	18.9	17.4	12.1	16.4	

\* Lakes not speared during spring 2000

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Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2000. 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	Walleye Safe Harvest	2000 Tribal Quota	March 29	30	31	April 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	22	26	30	Total Harvest	Quota Balance	Boat-Hour	CPE
BAYFIELD	DIAMOND L	341	42	25																7	**	**	**	3	**	15	25	0	4.9	5.2	
BAYFIELD	LOWEN	1323	254	113											69	**	1	41						2		113	0	26.6	4.2		
BAYFIELD	MIDDLE EAU CLAIRE L	902	430	257								48	144	65	171	**	76	29		**				**	**	257	0	20.3	12.7		
BAYFIELD	NAMEKAGON L	3227	1173	351										75	171	**	40	172	**	44						351	0	31.7	11.1		
BAYFIELD	PIKE L CHAIN	714	302	256										40	172	**										256	0	20.5	12.5		
BAYFIELD	UPPER EAU CLAIRE L	1030	207	159								**								16	141			2		159	0	9.3	17.2		
DOUGLAS	L NEBAGAMON	914	160	95				4	75	**										**	**	**	**			79	16	9.0	8.8		
DOUGLAS	LOWER EAU CLAIRE L	802	316	268										288												268	0	11.3	23.8		
DOUGLAS	UPPER ST CROIX L	665	336	319				225	58	36																319	0	17.7	18.1		
SAWYER	NELSON L	12503	1252	375	**	21	82	50	**	119	**	**	66	37	3	3	3	3	0	3	3	3	2	3	1	2	375	0	150.0	7.5	
	Number of lakes:	10			1	1	2	3	3	1	1	3	2	3	3	3	3	3	0	3	3	3	2	3	1	2	12				
	Area in acres:	12,611																									2,202	16			
	Number of walleye:	4,512	2,218	0	21	229	215	86	0	119	48	210	408	277	40	249	70	0	51	16	141	0	7	0	0	0	186				
	Number of spearer-nights:	0	7	12	15	13	0	7	6	16	20	32	2	18	6	0	8	10	0	6	10	0	4	0	0	0	4	196			
	Number of interviews with effort:	0	3	5	6	6	0	3	2	8	8	11	1	7	3	0	3	2	5	0	5	0	0	3	0	0	2	78			
	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			
	Number of boat-hours:	0.0	7.8	13.9	20.8	16.0	0.0	10.2	4.0	18.8	19.5	41.1	2.5	18.6	9.9	0.0	7.9	2.5	6.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	201.0				
	Catch-per-effort:	0.0	2.7	16.5	0.0	5.4	0.0	11.7	12.0	11.2	20.9	6.7	16.0	13.4	7.1	0.0	6.5	6.4	23.5	0.0	3.5	0.0	0.0	0.0	0.0	0.0	21.4				

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County	St. Croix	Area	Walleye Safe Harvest	2000 Tribal Quota	March 24	25	26	27	28	29	30	31	April 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17							
BARRON	BEAR L	1358	139	76								72	7	7								15		4												
BARRON	BEAVER DAM L	1112	117	64																																
BARRON	HORSESHOE L	115	50	27																																
BARRON	LOWER DEVILS L	162	69	37																																
BARRON	LOWER TURTLE L	276	46	18																																
BARRON	PRAIRIE L	1534	154	84												31		55	78	10	36			6	22				148							
BARRON	RED CEDAR L	1841	692	380																																
BARRON	SAND L	322	89	35																																
BARRON	SILVER L	337	139	76												1					11			9	12											
BARRON	UPPER TURTLE L	438	184	73											15																					
BURNETT	BIG MCKENZIE L	1185	123	67								57			3																					
BURNETT	DEVILS L	1001	107	58							7																									
BURNETT	LIPSETT L	393	47	25																																
BURNETT	LITTLE YELLOW L	348	143	78												4																				
BURNETT	ROONEY L	322	40	21												41																				
BURNETT	SAND L	962	103	56												9		28	3																	
BURNETT	YELLOW L	2287	849	466																																
POLK	BALSAM L	2054	324	129								128																								
POLK	BIG ROUND L	1015	108	59								50																								
POLK	HALF MOON L	579	66	36																																
POLK	MAGNOR L	224	29	15																																
POLK	PIPE L	270	112	61																																
POLK	WAPOGASSETT L	1186	123	67																																
WASHBURN	BALSAM L	295	122	67																																
WASHBURN	BASS-PATTERSON L	188	95	37																																
WASHBURN	L NANCY	772	152	60																																
WASHBURN	LONG L	3290	464	92																																
WASHBURN	MIDDLE MCKENZIE L	530	100	39																																
WASHBURN	SHELL L	2590	256	102																																
	Number of lakes:	29				5	5	5	0	0	5	5	6	6	6	6	6	5	6	5	6	6	6	6	6	6	6	6	7							
	Area in acres:	25,647																																		
	Number of walleye:		5,042	2,405		88	0	5	0	0	43	227	136	45	30	139	28	58	80	75	50	10	27	69	44	0	0	62	148							
	Number of spearer-nights:					0	10	9	0	0	7	28	22	12	10	22	4	13	9	9	9	4	8	9	12	3	0	6	10							
	Number of interviews with effort:					0	3	0	5	0	5	15	11	6	5	12	2	6	3	3	4	2	4	5	7	2	0	3	5							
	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							
	Number of boat-hours:					0.0	6.0	0.0	9.6	0.0	9.8	26.4	29.8	18.6	11.4	35.8	5.0	16.6	10.3	8.0	17.4	4.0	9.5	8.5	12.2	2.0	0.0	8.9	10.7							
	Catch-per-effort:					0.0	11.4	0.0	0.5	0.0	4.4	8.6	4.6	5.3	2.6	3.9	5.6	3.5	7.8	9.4	2.9	2.5	2.8	8.0	3.6	0.0	7.0	13.8								

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County	St. Croix Lake	Area	Walleye Safe Harvest	2000 Tribal Quota	May												Total Harvest	Quota Balance	Boat-Hour	CPE		
					18	19	20	21	22	23	24	25	25	27	28	29					30	1
BARRON	BEAR L	1358	139	76															72	4	11.3	6.4
BARRON	BEAVER DAM L	1112	117	64					9										52	12	24.4	2.1
BARRON	HORSESHOE L	115	50	27			6											24	3	8.8	2.7	
BARRON	LOWER DEVILS L	162	69	37														1	36	1.0	1.0	
BARRON	LOWER TURTLE L	276	46	18										18				6	78	3.8	1.6	
BARRON	PRAIRIE L	1534	154	84				35										380	0	41.0	9.3	
BARRON	RED CEDAR L	1841	682	380														35	0	3.3	10.6	
BARRON	SAND L	322	89	35														64	12	23.7	2.7	
BARRON	SILVER L	337	139	76				26										69	4	9.4	7.4	
BARRON	UPPER TURTLE L	438	184	73														67	0	5.8	11.7	
BURNETT	BIG MCKENZIE L	1185	123	67				10										58	0	28.6	2.0	
BURNETT	DEVILS L	1001	107	58				29										25	0	2.6	9.6	
BURNETT	LIPSETT L	383	47	25														5	73	10.5	0.5	
BURNETT	LITTLE YELLOW L	348	143	78														12	9	8.6	1.4	
BURNETT	ROONEY L	322	40	21														56	0	12.6	4.4	
BURNETT	SAND L	962	103	56				15										66	400	42.4	1.6	
BURNETT	YELLOW L	2287	849	466														128	1	9.3	13.8	
POLK	BALSAM L	2054	324	129														59	0	15.8	3.7	
POLK	BIG ROUND L	1015	108	59								9						36	0	4.5	8.0	
POLK	HALF MOON L	579	66	36														0	15	0	0	
POLK	MAGNOR L	224	29	15														51	10	10.6	4.8	
POLK	PIPE L	270	112	61														67	0	5.7	11.8	
POLK	WAGOASSET L	1186	123	67														67	0	8.0	8.4	
WASHBURN	BALSAM L	295	122	67														37	0	2.8	13.5	
WASHBURN	BASS-PATTERSON L	188	95	37														60	0	4.0	15.0	
WASHBURN	L NANCY	772	152	60														92	0	17.3	5.3	
WASHBURN	LONG L	3290	464	92					18									39	0	18.6	2.1	
WASHBURN	MIDDLE MCKENZIE L	530	100	39														0	0	0	0	
WASHBURN	SHELL L	2580	256	102														102	0	30.9	3.3	
	Number of lakes:	29					7	6	5	3	4	5	5	5	3	4	5	4	4	4	6	2
	Area in acres:	25,647																				
	Number of walleye:	5,042	2,405	63	12	42	65	73	31	20	30	22	0	14	16	0	10	3	1,748	657		
	Number of spearer-nights:			12	5	7	10	10	4	11	4	4	0	2	2	0	5	1	2	295		
	Number of interviews with effort:			6	2	3	5	5	2	5	2	3	0	2	1	0	3	1	1	149		
	Number of interviews without effort:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Number of boat-hours:		23.9	7.2	12.3	12.4	16.3	6.5	15.1	6.4	4.6	4.6	0.0	5.0	4.5	0.0	7.3	2.5	2.3	366.3		
	Catch-per-effort:		2.6	1.7	3.4	5.3	4.5	4.8	1.3	4.7	4.8	3.6	0.0	2.8	3.6	0.0	1.4	1.2	1.3	4.8		

\* Lakes not speared during spring 2000.  
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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:	Area	Safe Harvest	Tribal Quota	March							April							May							Total Harvest	Quota Balance	Boat-Hour	CPE				
				24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13					14	15	16	17
Number of lakes:	240			9	9	5	5	0	5	10	21	24	35	27	24	35	27	24	35	30	36	38	26	34	29	28	29	30	27	26	31	
Area in acres:	227,057																															
Number of walleye:	70,538	40,797	16	163	0	5	0	199	346	1,435	1,544	1,345	294	1,570	1,015	1,464	1,218	1,728	475	1,083	770	1,204	1,520	682	866	457	1,243					
Number of spearer-nights:			4	16	0	9	0	23	32	98	93	107	30	98	73	115	83	143	48	90	54	75	94	48	54	27	69					
Number of interviews with effort:			2	6	0	5	0	13	17	41	41	52	14	46	30	54	38	57	24	41	25	32	44	20	22	15	31					
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:			6.2	12.8	0.0	9.6	0.0	23.3	41.4	99.0	117.8	90.2	26.9	100.4	67.8	132.3	74.5	141.7	47.0	90.0	55.2	64.8	97.9	29.6	40.3	30.5	64.8					
Catch-per-effort:			2.6	12.8	0.0	0.5	0.0	8.6	8.4	14.5	13.1	14.9	10.9	15.6	15.0	11.1	16.3	12.2	10.1	12.0	14.0	18.6	15.5	23.1	21.5	15.0	19.2					

Six Tribal Bands Combined:	Area	Safe Harvest	Tribal Quota	May							Total Harvest	Quota Balance	Boat-Hour	CPE																		
				18	19	20	21	22	23	24					25	26	27	28	29	30	1	2	3	4	5							
Number of lakes:	240			30	27	25	33	27	26	26	27	24	23	9	11	9	11	13	8	7	0	909										
Area in acres:	227,057																															
Number of walleye:	70,538	40,797	1,211	1,043	356	2,062	1,291	1,110	479	843	191	285	309	374	64	42	55	10	0	0	30,367	10,430										
Number of spearer-nights:			100	65	23	97	77	52	40	47	22	16	20	23	10	15	12	4	0	0	2,106											
Number of interviews with effort:			46	24	10	49	39	22	21	23	12	9	11	12	5	7	7	2	0	0	969											
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:			116.5	49.9	31.7	98.4	89.3	57.1	49.1	57.7	21.3	20.5	37.1	37.9	5.6	18.3	8.1	4.5	0.0	0.0	1992.3											
Catch-per-effort:			10.4	20.9	11.2	21.0	14.5	19.4	9.8	14.6	9.0	13.9	8.3	9.9	11.4	2.3	6.8	2.2	0.0	0.0	15.2											

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2000. Data arranged alphabetically by tribe, county, and lake.

County	Lake	Area	INCH GROUP																												Total Measured	Total 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	30	31	32											
BAYFIELD	L OWEN	1323	2	1	27	40	1	61	51	1	5	2	6	6	1	2	1	1	1	2	1	1	1	2	1	2	1	279	279	3970.5	14.2	266	12	1	25			
BAYFIELD	NAMEKAGON L	3227	1	3	11	7	8	17	6	1	65	17	6	2	1	1	2	1	1	1	1	2	1	1	2	1	64	64	902.2	14.1	62	2	2	279				
CHIPPEWA	L WISSOTA	6300	1	4	15	43	52	56	41	25	41	25	7	1	1	1	1	1	1	1	1	1	1	1	1	244	244	3429.4	14.1	242	2	2	64					
CHIPPEWA	LONG L	1052	6	6	6	7	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	35	35	547.9	15.7	31	2	2	244					
DOUGLAS	WHITEFISH L	832	1	7	29	57	44	15	6	29	18	6	1	1	1	1	1	1	1	1	1	1	1	1	1	17	17	258.2	15.2	1	16	17	35					
IRON	L OF THE FALLS	338	1	7	29	57	44	15	6	29	18	6	1	1	1	1	1	1	1	1	1	1	1	1	1	17	17	258.2	15.2	1	16	17	35					
IRON	PINE L	312	2	22	49	45	38	15	8	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	186	186	2525.3	13.6	165	13	8	186					
IRON	TRUDE L	781	1	27	52	110	112	137	118	43	31	7	1	2	1	1	1	1	1	1	1	1	1	1	1	1	843	1100	9679.6	15.1	1070	26	4	1100				
IRON	TURTLE-FLAMBEAU FL	13545	1	7	29	57	44	15	6	29	18	6	1	1	1	1	1	1	1	1	1	1	1	1	1	171	171	2476.5	14.5	162	4	5	171					
PRICE	ROUND L	726	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	79	79	1312.2	16.6	70	7	2	79					
PRICE	SOLBERG L	859	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	79	79	1312.2	16.6	70	7	2	79					
PRICE	ISLAND L	526	2	1	5	12	17	14	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	64	64	950.7	14.9	56	1	7	64					
PRICE	CONNORS L	429	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	201	201	3202.8	15.9	178	19	4	201					
SAWYER	NELSON L	2503	1	8	31	64	91	35	12	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	244	244	3458.1	14.2	238	6	6	244					
SAWYER	TEAL L	1049	1	2	3	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	10	136.4	13.6	3	1	10	10					
VILAS	ANNABELLE L	213	2	22	33	60	44	19	14	9	1	1	3	4	13	14	6	10	7	3	2	2	1	2	1	68	68	1463.4	21.5	59	9	9	68					
VILAS	BLACK OAK L	584	2	22	33	60	44	19	14	9	1	1	3	4	13	14	6	10	7	3	2	2	1	2	1	68	68	1463.4	21.5	59	9	9	68					
VILAS	CRAB L	949	2	22	33	60	44	19	14	9	1	1	3	4	13	14	6	10	7	3	2	2	1	2	1	68	68	1463.4	21.5	59	9	9	68					
VILAS	FOREST L	466	5	10	23	22	24	11	8	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	113	113	1742.9	15.4	105	8	8	113					
VILAS	HARRIS L	507	5	10	23	22	24	11	8	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	122	122	1783.4	14.6	101	12	9	122					
VILAS	HIGH L	734	3	3	14	27	20	19	15	15	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	123	173	1858.8	15.1	162	5	6	173					
VILAS	MAMIE L	400	2	4	7	9	6	11	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	56	56	840.0	15.0	51	3	2	56					
VILAS	PRESQUE ISLE L CHAIN	1571	1	14	42	24	23	18	7	9	1	5	2	1	1	1	1	1	1	1	1	1	1	1	1	151	151	2181.0	14.4	132	8	11	151					
	Sub-total:	39226	0	13	58	213	468	602	640	568	334	150	83	66	25	19	13	9	6	5	3	1	3	1	0	0	3299	3806	48365.8	14.7	3546	162	98	3806				

Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2000. Data arranged alphabetically by tribe, county, and lake.

County	Lake	Area	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	27	28	29																						
RUSK	AMACOY L	278			3	6	4	2	1	5	1	3		2																26	1	2	29	476.2	16.4	26	1	2	29						
RUSK	POTATO L	534			1	12	17	15	8	7	3	4	3																	68	3	1	72	1203.8	16.7	68	3	1	72						
RUSK	PULASKI L	126					3	1	7	9	7	1	1																	29	29	500.9	17.3	29	29	500.9	17.3	29	29						
RUSK	SAND L	262				2	9	1	1	5	7	2	2	1																24	5	3	28	484.0	17.3	24	5	3	28						
SAWYER	BARBER L	238			2	1	6	5	5	3	2	1																		25	25	398.1	15.9	24	1	1	25	398.1	15.9	24	1	1	25		
SAWYER	DURPHEE L	193							11	7	2	1																		39	3	3	42	688.6	15.9	39	3	3	42	688.6	15.9	39	3	3	42
SAWYER	GRINDSTONE L	3111			7	25	47	60	60	52	29	14	3	1	1	4														246	16	43	305	4989.3	16.4	246	16	43	305	4989.3	16.4	246	16	43	305
SAWYER	L CHETAC	1920			15	43	69	99	93	86	97	50	31	14	9	2	2													592	1	17	610	9728.7	15.9	592	1	17	610	9728.7	15.9	592	1	17	610
SAWYER	L CHIPPEWA	15300		2	16	124	337	538	684	466	226	130	72	31	18	9	6	6	2	1	3	1								2477	85	110	2672	39038.1	14.6	2477	85	110	2672	39038.1	14.6	2477	85	110	2672
SAWYER	L OF THE PINES	273			1	3	4	4	3																					13	1	4	18	268.9	14.9	13	1	4	18	268.9	14.9	13	1	4	18
SAWYER	LAC COURTE OREILLES	5039																												206	12	16	234	4179.3	17.9	206	12	16	234	4179.3	17.9	206	12	16	234
SAWYER	LITTLE ROUND L	229			2	1	2	7	3	3	1	2																		24	2	2	24	400.0	16.7	24	2	2	24	400.0	16.7	24	2	2	24
SAWYER	LOST LAND L	1304			7	32	54	69	57	22	13	9	5	2	1	1														274	274	4059.0	14.8	200	21	52	273	4059.0	14.8	200	21	52	273		
SAWYER	ROUND L	3054			1	11	36	62	70	40	28	11	3	2	2	1	1													268	268	4142.4	15.5	234	30	4	268	4142.4	15.5	234	30	4	268		
SAWYER	SAND L	928		2		1	1	1	6	20	66	67	59	30	25	12	6	7												304	308	5787.0	18.8	158	50	100	308	5787.0	18.8	158	50	100	308		
SAWYER	SISSABAGAMA L	719			3	7	30	65	56	37	17	12	7	4	2	2	1													242	242	3503.6	14.5	207	19	16	242	3503.6	14.5	207	19	16	242		
SAWYER	SMITH L	323							1	11	15	10	16	10	5	2	1	1												73	73	1310.3	17.9	66	7	7	73	1310.3	17.9	66	7	7	73		
SAWYER	SPIDER L	1454							6	8	14	20	6	10	4	2	1	2												80	80	1394.7	17.4	62	15	3	80	1394.7	17.4	62	15	3	80		
SAWYER	TIGER CAT FL	819			1	1	2	4	2	4	3	2																		19	19	294.8	15.5	17	2	2	19	294.8	15.5	17	2	2	19		
SAWYER	WHITEFISH L	786							1	2	7	8	12	7	2	1	2	1												47	47	848.2	18.0	32	8	7	47	848.2	18.0	32	8	7	47		
SAWYER	WINDFALL L	102			2	1	3	4	6	3	2	2																		24	24	374.2	15.6	22	1	1	24	374.2	15.6	22	1	1	24		
WASHBURN	BIRCH L	366							1	1	3	3	6	4	1	2														24	24	407.6	17.0	24			24	407.6	17.0	24			24		
WASHBURN	LONG L	3290							5	9	10	17	21	10	9	5	1													92	92	1510.5	16.4	88	3	1	92	1510.5	16.4	88	3	1	92		
WASHBURN	STONE L	523							2	2	4	3	1	6	12	1	2													33	33	560.0	17.0	31	2	2	33	560.0	17.0	31	2	2	33		
Sub-total:		41173	7	19	157	480	830	1115	941	673	533	386	214	104	68	35	25	20	7	8	5	1	0						5569	5574	86528.2	15.5	4887	288	396	5571	86528.2	15.5	4887	288	396	5571			



Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2000. Data arranged alphabetically by tribe, county, and lake.

Lac du Flambeau		Area	INCH GROUP																																Total Meas.	Total Harv.	Total Inches	Mean Length	Male	Female	Unk.	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	32																
VILAS	ISLAND L	1,023			9	20	81	80	37	16	4	6			3	3	3	2	1	2	1								268	327	3959.9	14.8	231	34	3	288						
VILAS	JAG L	158																										2	2	54.5	27.3		2		2							
VILAS	L LAURA	599			1	7	18	17	14	9	10	6	3	1	4	1	4	3	1		2	1						102	102	1699.4	16.7	38	14	50	102							
VILAS	LITTLE ARBOR VITAE L	534			18	35	21	18	12	5	10	6	2	2	2	3				1								133	133	1900.4	14.3	126	5	2	133							
VILAS	LITTLE JOHN L	166																										51	51	850.8	16.7	48	3		51							
VILAS	LITTLE ST GERMAIN L	980			6	6	9	6	3	4	3	5	2	3	1	1	3	1	1	1	1	1	1				57	57	952.7	16.7	22	9	2	33								
VILAS	LITTLE STAR L	244																										24	24	378.5	15.8	20	3	1	24							
VILAS	MANITOWISH L	506			3	8	12	8	10	4	2																	50	50	733.2	14.7	28	10	12	50							
VILAS	OXBOW L	511			4	17	34	30	18	5	3	1																113	113	1481.4	13.1	95	5	13	113							
VILAS	PAPOOSE L	428			1	9	9	14	27	14	7	2																92	92	1342.2	14.6	76	9	7	92							
VILAS	PLUM L	1,033			1	3	15	31	41	31	22	9	5	4	3	1	1	1	1	1	1	1	1				170	220	2590.9	15.2	149	16	3	168								
VILAS	REST L	608			2	11	15	14	17	13	6	2	2	1	1	1	1	1	1	1	1	1					86	86	1218.2	14.2	77	1	8	86								
VILAS	SNIPE L	239																										50	50	796.3	15.9	36	9	5	50							
VILAS	SPIDER L	272			2	6	11	8	4	6	2	1	3	1	1	3	1	1	1	1	1						23	23	345.9	15.0	11	5	7	23								
VILAS	SQUAW L	785			1	4	36	50	44	14	6	2	2	1														161	161	2083.4	12.9	139	13	9	161							
VILAS	STAR L	1,206			1	10	33	36	21	14	9	2	2	2	1	2	1	1	1	1	1	1					132	251	1977.9	15.0	109	21	3	133								
VILAS	TROUT L	3,816																										183	183	3059.3	16.7	172	4	7	183							
VILAS	WHITE SAND L	728																										43	43	673.9	15.7	40	2	1	43							
VILAS	WILD RICE L	379																										9	9	149.0	16.6	2		7	9							
		68,747	0	6	52	326	929	1,664	1,920	1,565	914	515	317	163	78	74	55	55	37	28	24	16	10	1	1	0	8,750	11,315	131,789.0	15	7,574	688	600	8,842								





Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2000. Data arranged alphabetically by tribe, county, and lake.

Red Cliff		INCH GROUP																				Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed		
County	Lake	Area	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26									27	29
BAYFIELD	DIAMOND L	341						1	5	3	2		3	3				5	1	2	1	1			25	25	507.0	14	10	1	25
BAYFIELD	L OWEN	1323	1		2	2	9	5	10	29	26	10	9	4	1		4				1				113	113	1904.9	105	8		113
BAYFIELD	MIDDLE EAU CLAIRE L	902			1	13	36	48	54	28	23	11	7	3	2	2									257	257	3518.2	217	32	8	257
BAYFIELD	NAMEKAGON L	3227			1	9	18	45	70	81	35	19	6	4	1	2			3						298	351	4558.3	321	29	1	351
BAYFIELD	PIKE L CHAIN	714			2	21	48	50	42	33	23	13	10	6		3	1	1	1	1			2		256	256	3725.8	251	5		256
BAYFIELD	UPPER EAU CLAIRE L	1030					1	8	29	34	40	24	8	5		4	4	3	1	1		1			159	159	2610.4	154	5		159
DOUGLAS	L NEBAGAMON	914					2	5	15	15	12	7	4							2					79	79	1282.8	73	6		79
DOUGLAS	LOWER EAU CLAIRE L	802			2	3	9	39	43	24	4	3							1						128	268	1955.8	267	1		268
DOUGLAS	UPPER ST CROIX L	855			1	1	10	23	62	77	44	17	7	1	1	2	1								246	319	4010.0	303	14	2	319
SAWYER	NELSON L	2503				10	32	99	118	48	29	11	4	10	5	5	2	1	1						375	375	5907.1	304	68	3	375
Sub-total:		12611	1	0	3	36	98	206	371	455	322	196	83	49	22	14	19	11	8	7	2	3	0	0	1908	2202	29980.3	2009	178	15	2202



Appendix D. Number of walleye per inch group taken during spring spearing seasons from 1985-2000.

Inch Group	Number of walleye in:																Percent of Total	Cumulative Percent
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
5									1								4	0.0%
6		1						1	1	2							6	0.0%
7								4	4	12							9	0.0%
8								36	3	63							87	0.0%
9	2	3	17	10	4	14	36	34	45	63	32	39	79	104	20	33	535	0.2%
10	5	49	123	121	60	183	229	243	245	386	219	233	372	505	162	189	3,304	1.1%
11	31	358	558	678	306	649	957	957	905	1,186	1,311	1,026	1,230	1,817	989	961	13,919	4.7%
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	2,851	2,541	31,331	10.6%
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	46,725	15.8%
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	51,505	17.4%
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	44,960	15.2%
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	33,434	11.3%
17	172	801	1,374	1,658	1,390	1,862	1,687	1,207	1,323	1,796	1,736	1,664	1,580	1,819	1,643	2,294	24,026	8.1%
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	16,094	5.4%
19	118	255	811	932	634	932	811	562	589	850	729	617	639	706	599	831	10,615	3.6%
20	33	149	513	596	328	556	590	261	308	383	440	358	378	338	307	376	5,914	2.0%
21	25	72	259	316	210	307	303	199	218	267	238	240	237	260	258	275	3,684	1.2%
22	18	50	148	214	109	202	249	171	148	205	195	156	186	183	193	208	2,655	0.9%
23	18	23	116	134	76	160	151	129	120	189	164	120	142	134	165	154	1,995	0.7%
24	11	9	86	124	67	100	111	85	101	145	158	111	105	90	93	119	1,515	0.5%
25	7	10	76	89	48	107	102	66	80	98	109	97	98	81	87	82	1,237	0.4%
26	9		57	75	45	71	86	65	54	91	80	64	85	91	78	61	1,012	0.3%
27	10	3	42	56	31	63	46	42	33	55	57	51	56	53	58	38	694	0.2%
28	5	1	28	32	18	30	39	25	27	30	36	37	32	49	27	24	440	0.1%
29	8		25	30	8	15	15	17	12	12	16	15	13	22	16	8	232	0.1%
30	11		8	9	3	5	6	6	1	5	3	6	4	5	9	8	89	0.0%
31	6		2		2	1		1		1	1	1	1	1	1	1	17	0.0%
32	2																5	0.0%
33	1																1	0.0%
34																		0.0%
35																		0.0%
36																		0.0%
37																		0.0%
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	296,024	100%
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	4,565,246	
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	15.4	
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	359,321	
Percent Measured:	68%	99%	67%	75%	83%	73%	81%	86%	81%	84%	81%	81%	89%	89%	90%	89%	82%	



Appendix E. Number of muskellunge harvested nightly on lakes speared by six Wisconsin Chippewa bands during spring spearing 2000.

County	Lake	Area	Tribe	2000 Safe Harvest	2000 Declaration	May										Total Harvest	Quota Balance	Number Measured	Total Inches	Average Length	Number Per Acre
						23	24	25	26	27	28	29	1	2	3						
ASHLAND	BEAR L	204	BRV	5	3											0	3				
BAYFIELD	NAMEKAGON L	3,227	BRV	39	11											0	11				
CHIPPEWA	L WISSOTA	6,300	BRV	60	35											0	35				
CHIPPEWA	LONG L	1,052	BRV	19	11											0	11				
DOUGLAS	AMNICON L	426	BRV	10	5											0	5				
DOUGLAS	DOWLING L	154	BRV	5	2											0	2				
IRON	ECHO L	220	BRV	6	3											0	3				
IRON	FISHER L	452	BRV	10	5											0	5				
IRON	L OF THE FALLS	338	BRV	8	4							1				1	3	1	34.5	34.5	0.0030
IRON	LONG L	396	BRV	9	5											0	5				
IRON	PINE L	312	BRV	8	4							1				1	3	1	32.8	32.8	0.0032
IRON	SPIDER L	352	BRV	9	5											0	5				
IRON	TRUDE L	781	BRV	15	8											0	8				
IRON	TURTLE-FLAMBEAU FL	13,545	BRV	96	17											0	17				
PRICE	DUROY L	379	BRV	9	5											0	5				
PRICE	LONG L	418	BRV	10	5											0	5				
PRICE	ROUND L	726	BRV	15	8											0	8				
PRICE	SOLBERG L	859	BRV	16	9											2	7	2	79.5	39.8	0.0023
RUSK	CHAIN L	488	BRV	11	6											0	6				
RUSK	DAIRYLAND RESERVOIR	1,745	BRV	26	15											0	15				
RUSK	ISLAND L	526	BRV	12	7											0	7				
SAWYER	CONNORS L	429	BRV	10	5											0	5				
SAWYER	TEAL L	1,049	BRV	19	11											0	11				
TAYLOR	RIB L	320	BRV	8	4											0	4				
VILAS	ANNABELLE L	213	BRV	6	3											0	3				
VILAS	AVERILL L (P.I. CHAIN)	71	BRV	3	1											0	1				
VILAS	CRAB L	949	BRV	17	10											0	10				
VILAS	HARRIS L	507	BRV	11	6											1	5	1	33.7	33.7	0.0020
VILAS	HIGH L	734	BRV	15	8											0	8				
VILAS	MAMIE L	400	BRV	9	5											0	5				
VILAS	N TURTLE L	389	BRV	9	5											0	5				
VILAS	PRESQUE ISLE L (P.I. CHAIN)	1,280	BRV	21	12											0	12				
VILAS	S TURTLE L	454	BRV	10	5											0	5				
VILAS	TENDERFOOT L	437	BRV	9	5											0	5				
VILAS	VAN VLIET L (P.I. CHAIN)	220	BRV	6	3											0	3				
	Bad River sub-total:			552	256	0	0	2	0	0	1	1	0	0	0	5	251	5	180.5	36.1	
RUSK	AMACOY L	278	LCO	7	4											1	3	1	34.6	34.6	0.0036
RUSK	POTATO L	534	LCO	12	7											7	0	7	261.2	37.3	0.0131
RUSK	SAND L	262	LCO	7	4											1	3	1	34.2	34.2	0.0038
SAWYER	BARBER L	238	LCO	7	4											4	0	4	134.2	33.6	0.0168
SAWYER	GRINDSTONE L	3,111	LCO	19	11											8	3	8	303.4	37.9	0.0026
SAWYER	L CHIPPEWA	15,300	LCO	69	41	2					2					6	35	6	229.7	38.3	0.0004
SAWYER	L OF THE PINES	273	LCO	7	4			1								1	3	1	29.2	29.2	0.0037
SAWYER	LAC COURTE OREILLES	5,039	LCO	34	20					6						20	0	20	792.5	39.6	0.0040
SAWYER	LOST LAND L	1,304	LCO	22	13				12							13	0	13	484.4	37.3	0.0100
SAWYER	ROUND L	3,054	LCO	38	22							5	5			12	10	12	483.3	40.3	0.0039
SAWYER	SAND L	928	LCO	17	10						5					10	0	10	349.8	35.0	0.0108
SAWYER	SISSABAGAMA L	719	LCO	14	10											3	7	3	102.5	34.2	0.0042
SAWYER	SPIDER L	1,454	LCO	23	13											1	12	1	34.1	34.1	0.0007
SAWYER	TIGER CAT FL	819	LCO	16	14											4	10	4	126.2	31.6	0.0049
SAWYER	WHITEFISH L	786	LCO	15	8											2	6	2	58.7	29.4	0.0025
	Lac Courte Oreilles sub-total:			307	185	2	1	12	11	2	5	5	0	2	0	93	92	93	3458.0	37.2	
IRON	GILE FL	3,384	LDF	40	20											0	20				
IRON	TURTLE-FLAMBEAU FL	13,545	LDF	96	31											0	31				
LINCOLN	L NOKOMIS (RICE R FL CHAIN)	2,433	LDF	33	16											1	15	1	38.5	38.5	0.0004
LINCOLN	RICE R FL (RICE R FL CHAIN)	920	LDF	17	8											0	8				
ONEIDA	BEARSKIN L	400	LDF	10	5											1	4	1	37.2	37.2	0.0025
ONEIDA	BOOM L	437	LDF	10	5											2	3	2	74.2	37.1	0.0046
ONEIDA	BOOTH L	207	LDF	6	3											0	3				
ONEIDA	BRIDGE L (RICE R FL CHAIN)	411	LDF	10	5											0	5				
ONEIDA	BUCKSKIN L	634	LDF	9	4											0	4				
ONEIDA	CARROL L	335	LDF	8	4											0	4				
ONEIDA	CLEAR L	846	LDF	16	8											0	8				
ONEIDA	DAM L	744	LDF	15	7											0	7				
ONEIDA	GEORGE L	435	LDF	10	5											0	5				
ONEIDA	GILMORE L	301	LDF	8	4											1	3	1	39.0	39.0	0.0033
ONEIDA	HASBROOK L	302	LDF	8	4											0	4				
ONEIDA	KATHERINE L	590	LDF	13	6											1	5	1	29.1	29.1	0.0017
ONEIDA	KAWAGUESAGA L	670	LDF	14	7											0	7				
ONEIDA	L THOMPSON	382	LDF	9	4											0	4				
ONEIDA	LITTLE TOMAHAWK L (TOM. CHAIN)	160	LDF	5	2											0	2				
ONEIDA	MADELINE L	159	LDF	5	2											0	2				



Appendix E Number of muskellunge harvested nightly on lakes speared by six Wisconsin Chippewa bands during spring spearing 2000.

County	Lake	Area	Tribe	2000 Safe Harvest	2000 Declaration	May										Total Harvest	Quota Balance	Number Measured	Total Inches	Average Length	Number Per Acre	
						23	24	25	26	27	28	29	1	2	3							4
ONEIDA	MANSON L	236	LDF	7	3											0	3					
ONEIDA	MEDICINE L	372	LDF	9	4											0	4					
ONEIDA	MINOCOQUA L	1,360	LDF	22	11			3						3		7	4	7	259.0	37.0	0.0051	
ONEIDA	MOEN L	460	LDF	11	5											0	5					
ONEIDA	MUSKELLUNGE L	284	LDF	7	3											0	3					
ONEIDA	N NOKOMIS L	476	LDF	4	2											0	2					
ONEIDA	PICKEREL L	736	LDF	15	7											0	7					
ONEIDA	RAINBOW FL	2,035	LDF	29	14											1	13	1	40.0	40.0	0.0006	
ONEIDA	RHINELANDER FL	1,326	LDF	22	11											0	11					
ONEIDA	SAND L	540	LDF	12	6											0	6					
ONEIDA	SQUIRREL L	1,317	LDF	22	11				6							6	5	6	210.2	35.0	0.0046	
ONEIDA	TOMAHAWK L (TOM. CHAIN)	3,392	LDF	41	20			10	5							15	5	15	580.3	38.7	0.0044	
ONEIDA	TWO SISTERS L	719	LDF	14	7											0	7					
ONEIDA	WILLOW FL	5,135	LDF	53	26											0	26					
PRICE	BUTTERNUT L	1,006	LDF	18	9											0	9					
PRICE	PIKE L	806	LDF	16	8											0	8					
PRICE	TURNER L	149	LDF	5	2											0	2					
VILAS	ALDER L	274	LDF	7	3											0	3					
VILAS	BALLARD L	505	LDF	11	5											0	5					
VILAS	BIG ARBOR VITAE L	1,090	LDF	57	28			13						8		28	0	28	1030.2	36.8	0.0257	
VILAS	BIG L (BOULDER JCT)	835	LDF	16	8											5	3	5	191.0	38.2	0.0060	
VILAS	BIG L (MI BORDER)	771	LDF	12	6											1	5	1	44.0	44.0	0.0013	
VILAS	BIG MUSKELLUNGE L	930	LDF	17	8								5			5	3	5	180.5	36.1	0.0054	
VILAS	BIG ST GERMAIN L	1,617	LDF	25	12			10								11	1	11	398.3	36.2	0.0068	
VILAS	BIRCH L	528	LDF	12	6											1	5	1	32.5	32.5	0.0019	
VILAS	BOULDER L	524	LDF	12	6											0	6					
VILAS	CLEAR L	555	LDF	12	6											3	3	3	115.0	38.3	0.0054	
VILAS	EAGLE L	572	LDF	12	6											0	6					
VILAS	FISHTRAP L	329	LDF	8	4											0	4					
VILAS	ISLAND L	1,023	LDF	18	9											0	9					
VILAS	L LAURA	599	LDF	13	6											1	5	1	38.0	38.0	0.0017	
VILAS	LITTLE ARBOR VITAE L	534	LDF	12	6											0	6					
VILAS	LITTLE JOHN L	166	LDF	5	2											0	2					
VILAS	LITTLE ST GERMAIN L	980	LDF	18	9											6	3	6	208.1	34.7	0.0061	
VILAS	LITTLE STAR L	244	LDF	7	3											0	3					
VILAS	LITTLE TROUT L	978	LDF	5	2											0	2					
VILAS	MANITOWISH L	508	LDF	11	5											0	5					
VILAS	OXBOW L	511	LDF	11	5											0	5					
VILAS	PAPOOSE L	428	LDF	10	5											0	5					
VILAS	PICKEREL L	293	LDF	8	4											0	4					
VILAS	PLUM L	1,033	LDF	18	9								3			4	5	4	163.3	40.8	0.0039	
VILAS	REST L	608	LDF	13	6											2	1	2	74.7	37.4	0.0084	
VILAS	SNIPER L	239	LDF	7	3											0	2					
VILAS	SPARKLING L	154	LDF	5	2											0	2					
VILAS	SPIDER L	272	LDF	7	3											0	3					
VILAS	SQUAW L	785	LDF	15	7											0	7					
VILAS	STAR L	1,206	LDF	21	10			6								6	4	6	230.2	38.4	0.0050	
VILAS	TROUT L	3,816	LDF	44	22				12	7						19	3	19	723.6	38.1	0.0050	
VILAS	WHITE SAND L	728	LDF	15	7											0	7					
VILAS	WILD RICE L	379	LDF	7	3											0	3					
	Lac du Flambeau sub-total:			1120	525	0	6	48	18	0	0	0	8	8	6	0	127	398	127	4736.9	37.3	
FOREST	LILY L	211	MLK	6	3											0	3					
FOREST	ROBERTS L	414	MLK	10	5											2	3	2	77.0	38.5	0.0048	
LANGLADE	ENTERPRISE L	502	MLK	11	6											0	6					
LANGLADE	MOCCASIN L	110	MLK	4	2											0	2					
LINCOLN	ALEXANDER L	677	MLK	14	8											0	8					
LINCOLN	L ALICE	1,369	MLK	22	13											0	13					
LINCOLN	L MOHAWKSIN	1,910	MLK	28	16											0	16					
LINCOLN	SPIRIT R FL	1,663	MLK	25	14											0	14					
OCONTO	ARCHIBALD L	430	MLK	10	5											0	5					
OCONTO	BOOT L	235	MLK	7	4											0	4					
ONEIDA	BIG FORK L	690	MLK	14	8											0	8					
ONEIDA	BIG L	865	MLK	16	9											0	9					
ONEIDA	BIG STONE L	548	MLK	12	7											0	7					
ONEIDA	CRESCENT L	612	MLK	13	7			2			1					4	3	4	145.7	38.4	0.0065	
ONEIDA	LAUREL L	232	MLK	6	3											0	3					
ONEIDA	LONG L	620	MLK	13	7											0	7					
ONEIDA	PELICAN L	3,585	MLK	42	25											9	16	9	347.0	38.6	0.0025	
ONEIDA	PLANTING GROUND L	1,012	MLK	18	10											1	9	1	39.5	39.5	0.0010	
ONEIDA	SEVENMILE L	503	MLK	11	6											1	5	1	31.0	31.0	0.0020	
ONEIDA	SPIRIT L	368	MLK	9	8											0	8					
ONEIDA	THUNDER L	172	MLK	5	2											0	2					
ONEIDA	VIRGIN L	276	MLK	7	4											0	4					
VILAS	BIG SAND L	1,408	MLK	23	13											0	13					
VILAS	CATFISH L	1,012	MLK	18	10			1								8	2	8	280.6	35.1	0.0079	
VILAS	CRANBERRY L	956	MLK	18	10											0	10					
VILAS	KENTUCK L	957	MLK	54	32											0	32					





Appendix E. Number of muskellunge harvested nightly on lakes speared by six Wisconsin Chippewa bands during spring spearing 2000.

County	Lake	Area	Tribe	2000 Safe Harvest	2000 Declaration	May										Total Harvest	Quota Balance	Number Measured	Total Inches	Average Length	Number Per Acre	
						23	24	25	26	27	28	29	1	2	3							4
VILAS	LAC VIEUX DESERT	4,300	MLK	30	17												0	17				
VILAS	LONG L	872	MLK	16	9												0	9	5	184.8	37.0	0.0018
VILAS	N TWIN L (TWIN L CHAIN)	2,788	MLK	36	21												5	16				
VILAS	S TWIN L (TWIN L CHAIN)	642	MLK	13	7												0	7				
Mole Lake sub-total:				511	291	1	2	0	0	1	0	0	0	0	0	0	30	261	30	1105.6	36.9	
BAYFIELD	BUSKEY BAY (PIKE L CHAIN)	100	RCF	3	1												0	1				
BAYFIELD	HART L (PIKE L CHAIN)	259	RCF	7	4												0	4				
BAYFIELD	L MILLICENT (PIKE L CHAIN)	183	RCF	5	2												0	2	1	37.0	37.0	0.0011
BAYFIELD	MIDDLE EAU CLAIRE L	902	RCF	17	10												1	9				
BAYFIELD	NAMEKAGON L	3,227	RCF	39	11												0	11				
BAYFIELD	TWIN BEAR L (PIKE L CHAIN)	172	RCF	5	2												0	2				
BAYFIELD	UPPER EAU CLAIRE L	1,030	RCF	18	10												0	10				
DOUGLAS	LOWER EAU CLAIRE L	802	RCF	16	9												0	9				
Red Cliff sub-total:				110	49	0	0	0	0	0	0	0	0	0	0	0	1	48	1	37.0	37.0	
BARRON	SAND L	322	STC	8	4											1	1	3	1	38.0	38.0	0.0031
BURNETT	BIG MCKENZIE L	1,185	STC	20	11											5	10	1	10	407.1	40.7	0.0084
BURNETT	LITTLE YELLOW L	348	STC	9	5												3	2	3	133.6	44.5	0.0086
BURNETT	TWENTY-SIX L	230	STC	6	3												3	0	3	122.2	40.7	0.0130
BURNETT	YELLOW L	2,287	STC	31	18												10	8	10	441.1	44.1	0.0044
POLK	BONE L	1,781	STC	27	16					4							16	0	16	589.2	36.8	0.0090
POLK	DEER L	807	STC	16	9		9										9	0	9	355.0	39.4	0.0112
WASHBURN	BASS-PATTERSON L	188	STC	6	3												0	3				
WASHBURN	L NANCY	772	STC	15	8											1	1	7	1	50.5	50.5	0.0013
WASHBURN	MIDDLE MCKENZIE L	530	STC	12	7												1	6	1	36.3	36.3	0.0019
WASHBURN	SHELL L	2,580	STC	34	20		10	3									15	5	15	647.3	43.2	0.0058
St. Croix sub-total:				184	104	9	10	3	0	4	0	0	3	1	0	6	69	35	69	2,820.3	40.9	
Grand Total:					1,410	12	19	65	29	7	6	6	11	11	6	8	325	1,085	325	12,338.3	38.0	

Appendix F. Number of muskellunge per inch group taken during spring spearing seasons from 1985-2000.

Inch Group	Number of muskellunge in:																16 Year Total	Percent of Total	
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000			
13						1											1	0.0%	
14																		0	0.0%
15										1								1	0.0%
16			1							1								2	0.1%
17				3														4	0.1%
18					1													1	0.0%
19																		3	0.1%
20			2							1								2	0.1%
21												1						1	0.0%
22												2						6	0.2%
23		1								1								5	0.1%
24		1								2								5	0.1%
25	1		1					2		1								9	0.3%
26				1				3		1								16	0.5%
27			3					1		2								20	0.6%
28			3					3		3								42	1.2%
29			7					4		2								72	2.1%
30			4					6		11								105	3.0%
31			14					9		14								170	4.9%
32			15					11		14								197	5.7%
33			12					12		20								221	6.4%
34			16					13		17								278	8.0%
35			7					10		26								285	8.2%
36			4					18		22								291	8.4%
37			8					14		15								317	9.1%
38			6					12		14								261	7.5%
39			10					10		17								224	6.5%
40			8					11		11								215	6.2%
41			5					5		10								166	4.8%
42			1					4		17								125	3.6%
43			1					3		14								121	3.5%
44			3					4		16								80	2.3%
45			4					4		5								62	1.8%
46			4					1		8								46	1.3%
47			2					1		3								36	1.0%
48			4					2		4								37	1.1%
49			2					3		1								26	0.7%
50			1					1		3								13	0.4%
51								1		1								4	0.1%
52																		1	0.0%
53																		1	0.0%
Total Number Measured:	68	55	180	158	117	298	185	162	187	243	297	318	333	271	275	325	3,472	100%	
Total Length:	2,407	1,994	6,507	5,805	4,175	10,761	6,725	5,845	6,822	9,034	11,072	12,117	12,521	9,966	10,356	12,338	128,444		
Average Length:	35.4	36.2	36.2	36.7	35.7	36.1	36.4	36.1	36.5	37.2	37.3	38.1	37.6	36.8	37.7	38.0	37.0		
Total Number Speared:	86	55	196	158	118	303	185	165	188	244	299	319	333	271	275	325	3,520		
Percent Measured:	79.1%	100.0%	91.8%	100.0%	99.2%	98.3%	100.0%	98.2%	99.5%	99.6%	99.3%	99.7%	100.0%	100.0%	100.0%	100.0%	98.6%		

Appendix G - Number, average length (inches), and harvest per acre (largemouth and smallmouth bass and northern pike) for various lakes during spring spearing 2000

Tribe	County	Lake	Area	Species	Number Harvested	Number Measured	Total Inches	Average Length	Number Per Acre
STC	BARRON	BEAR L	1358	LMB	2	2	33.8	16.9	0.0015
STC	BARRON	LOWER TURTLE L	276	LMB	2	2	34.9	17.5	0.0072
STC	BARRON	RED CEDAR L	1841	LMB	1	1	18.8	18.8	0.0005
STC	BARRON	SAND L	322	LMB	1	1	18.6	18.6	0.0031
RCF	BAYFIELD	MIDDLE EAU CLAIRE L	902	LMB	13	13	226.7	17.4	0.0144
RCF	BAYFIELD	PIKE L CHAIN	714	LMB	1	1	11.8	11.8	0.0014
STC	BURNETT	BIG MCKENZIE L	1185	LMB	11	11	168.7	15.3	0.0093
STC	BURNETT	DEVILS L	1001	LMB	10	10	140.4	14.0	0.0100
STC	BURNETT	LITTLE YELLOW L	348	LMB	22	22	356.3	16.2	0.0632
STC	BURNETT	ROONEY L	322	LMB	3	3	53.7	17.9	0.0093
STC	BURNETT	SAND L	962	LMB	3	3	49.5	16.5	0.0031
STC	BURNETT	YELLOW L	2287	LMB	6	6	84.7	14.1	0.0026
MLK	CONTO	MAIDEN L	290	LMB	2	2	37.7	18.9	0.0069
MLK	ONEIDA	CRESCENT L	612	LMB	1	1	15.2	15.2	0.0016
LDF	ONEIDA	MINOCQUA L	1360	LMB	1	1	18.5	18.5	0.0007
MLK	ONEIDA	SEVENMILE L	503	LMB	1	1	12.9	12.9	0.0020
STC	POLK	BALSAM L	2054	LMB	3	3	48.6	16.2	0.0015
STC	POLK	BIG ROUND L	1015	LMB	65	65	1013.4	15.6	0.0640
STC	POLK	BONE L	1781	LMB	1	1	15.4	15.4	0.0006
STC	POLK	HALF MOON L	579	LMB	6	6	89.4	14.9	0.0104
STC	POLK	PIPE L	270	LMB	1	1	14.5	14.5	0.0037
LCO	RUSK	AMACOY L	278	LMB	1	1	15.1	15.1	0.0036
BRV	RUSK	ISLAND L	526	LMB	1	1	15.1	15.1	0.0019
LCO	SAWYER	L CHETAC	1920	LMB	1	1	15.5	15.5	0.0005
LCO	SAWYER	LOST LAND L	1304	LMB	5	5	75.3	15.1	0.0038
LCO	SAWYER	SISSABAGAMA L	719	LMB	1	1	15.1	15.1	0.0014
BRV	VILAS	BLACK OAK L	584	LMB	2	2	27.5	13.8	0.0034
STC	WASHBURN	L NANCY	772	LMB	1	1	20	20.0	0.0013
STC	WASHBURN	MIDDLE MCKENZIE L	530	LMB	10	10	164.4	16.4	0.0189
STC	WASHBURN	SHELL L	2580	LMB	1	1	19.5	19.5	0.0004
Total:			29195		179	179	2831.0	15.8	0.0084
STC	BARRON	BEAVER DAM L	1112	SMB	1	1	15.8	15.8	0.0009
STC	BARRON	SILVER L	337	SMB	1	1	17	17.0	0.0030
STC	BARRON	UPPER TURTLE L	438	SMB	1	1	12.5	12.5	0.0023
STC	BURNETT	DEVILS L	1001	SMB	8	8	113.7	14.2	0.0080
BRV	CHIPPEWA	LONG L	1052	SMB	1	1	18.5	18.5	0.0010
MLK	FOREST	BUTTERNUT L	1292	SMB	1	1	15.0	15.0	0.0008
MLK	ONEIDA	CRESCENT L	612	SMB	1	1	17.8	17.8	0.0016
LDF	ONEIDA	MINOCQUA L	1360	SMB	1	1	14.4	14.4	0.0007
MLK	ONEIDA	SPIRIT L	368	SMB	1	1	20	20.0	0.0027
LCO	SAWYER	ROUND L	3054	SMB	7	7	122.1	17.4	0.0023
LCO	SAWYER	SAND L	928	SMB	4	4	65.4	16.4	0.0043
LCO	SAWYER	SISSABAGAMA L	719	SMB	1	1	14.7	14.7	0.0014
BRV	VILAS	CRAB L	949	SMB	1	1	16	16.0	0.0011
STC	WASHBURN	MIDDLE MCKENZIE L	530	SMB	2	2	36.1	18.1	0.0038
STC	WASHBURN	SHELL L	2580	SMB	11	11	193.5	17.6	0.0043
Total:			16332		42	42	692.5	16.5	0.0024
STC	BARRON	UPPER TURTLE L	438	NOP	1	1	21.7	21.7	0.0023
RCF	BAYFIELD	MIDDLE EAU CLAIRE L	902	NOP	4	4	75.4	18.9	0.0044
STC	BURNETT	BIG MCKENZIE L	1185	NOP	2	2	53.3	26.7	0.0017
STC	BURNETT	LITTLE YELLOW L	348	NOP	1	1	27.0	27.0	0.0029
STC	BURNETT	YELLOW L	2287	NOP	3	3	88.7	29.6	0.0013
BRV	CHIPPEWA	LONG L	1052	NOP	1	1	22.6	22.6	0.0010
RCF	DOUGLAS	UPPER ST CROIX L	855	NOP	2	2	37.3	18.7	0.0023
MLK	FOREST	FRANKLIN L	892	NOP	3	3	81.0	27.0	0.0034
BRV	IRON	TURTLE-FLAMBEAU FL	13545	NOP	1	1	18.1	18.1	0.0001
LDF	ONEIDA	DAM L	744	NOP	1	1	35.4	35.4	0.0013
STC	POLK	HALF MOON L	579	NOP	1	1	30.0	30.0	0.0017
STC	POLK	WAPOGASSET L	1186	NOP	1	1	22	22.0	0.0008
BRV	PRICE	SOLBERG L	859	NOP	1	1	23.5	23.5	0.0012
LCO	RUSK	AMACOY L	278	NOP	3	3	85.1	28.4	0.0108
BRV	SAWYER	CONNORS L	429	NOP	1	1	27.3	27.3	0.0023
LCO	SAWYER	L CHIPPEWA	15300	NOP	1	1	26.7	26.7	0.0001
LCO	SAWYER	LAC COURTE OREILLES	5039	NOP	1	1	29.7	29.7	0.0002
RCF	SAWYER	NELSON L	2503	NOP	5	5	123.7	24.7	0.0020
LCO	SAWYER	ROUND L	3054	NOP	5	5	176.6	35.3	0.0016
LCO	SAWYER	SISSABAGAMA L	719	NOP	3	3	78.6	26.2	0.0042
LCO	SAWYER	SMITH L	323	NOP	1	1	26.6	26.6	0.0031
LCO	SAWYER	WHITEFISH L	786	NOP	2	2	47.1	23.6	0.0025
LCO	SAWYER	WINDFALL L	102	NOP	1	1	30.3	30.3	0.0098
BRV	VILAS	BLACK OAK L	584	NOP	2	2	41.6	20.8	0.0034
MLK	VILAS	CATFISH L	1012	NOP	1	1	30	30.0	0.0010
LDF	VILAS	CLEAR L	555	NOP	1	1	30.3	30.3	0.0018
LDF	VILAS	STAR L	1206	NOP	1	1	34	34.0	0.0008
LCO	WASHBURN	LONG L	3290	NOP	1	1	28	28.0	0.0003
STC	WASHBURN	SHELL L	2580	NOP	3	3	105.3	35.1	0.0012
Total:			62632		54	54	1456.9	27.0	0.0024

Appendix H. Number of bass per inch group (largemouth and smallmouth) taken during spring spearing seasons from 1985-2000.

Inch Group	Number of bass in:																Percent of Total	
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		16 Year Total
5																	0	0.0%
6			1							1							1	0.0%
7					1					2							3	0.1%
8		1															2	0.1%
9			2														7	0.3%
10	1			4													15	0.6%
11	1	1	8	7	1	3	1	5	1	5	2	2	8	5	1	5	55	2.2%
12	2	2	16	7	10	30	11	11	7	32	13	5	10	16	2	8	182	7.1%
13	3	6	43	21	14	35	36	16	18	41	27	30	22	28	11	26	377	14.7%
14		2	33	27	17	47	34	20	42	37	36	35	23	74	29	29	485	19.0%
15	7	8	25	21	17	26	21	21	40	38	34	38	20	51	34	41	442	17.3%
16		12	30	19	19	25	11	13	29	35	27	17	20	32	18	49	356	13.9%
17		3	20	15	11	19	9	5	16	22	18	5	15	33	16	23	230	9.0%
18	1	2	15	9	4	16	9	11	13	17	18	10	16	19	10	21	191	7.5%
19	1	1	7	11	8	9	6	6	15	11	7	6	6	18	3	13	127	5.0%
20		1	5	7	1	2	2	3	12	9	2	1	3	5	1	5	58	2.3%
21	1	1	2	1	1	1	1	2	2	4	1	1	1	1	1	1	18	0.7%
22																	5	0.2%
23																	1	0.0%
24																	0	0.0%
25				1						1				1			3	0.1%
Total No. Measured:	17	39	210	144	111	215	144	112	198	256	185	152	145	283	126	221	2,558	100%
Total Length:	255	602	3,199	2,275	1,694	3,246	2,165	1,708	3,002	3,931	2,881	2,315	2,245	4,440	1,982	3,524	39,465	
Average Length:	15.0	15.4	15.2	15.8	15.3	15.1	15.0	15.3	15.2	15.4	15.6	15.2	15.5	15.7	15.7	15.9	15.4	
Total No. Speared:	21	39	275	167	113	219	147	136	201	261	187	160	145	290	126	221	2,708	
Percent Measured:	81.0%	100.0%	76.4%	86.2%	98.2%	98.2%	98.0%	82.4%	98.5%	98.1%	98.9%	95.0%	100.0%	97.6%	100.0%	100.0%	94.5%	

Appendix I. Number of northern pike per inch group taken during spring spearing seasons from 1985-2000.

Inch Group	Number of northern pike in:																Percent of Total	
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		16 Year Total
10																	0	0.0%
11																	0	0.0%
12		1					1										0	0.4%
13			1											1			1	0.2%
14																	1	0.2%
15			1														3	0.6%
16		1															4	0.9%
17			1		1												11	2.4%
18			1		1												19	4.1%
19			1		1												19	4.1%
20		2			1												31	6.7%
21			2		1												32	6.9%
22		2			1												40	8.6%
23		1			1												33	7.1%
24		1			1												29	6.3%
25			1		1												22	4.7%
26			1		1												27	5.8%
27			1		1												18	3.9%
28			7		1												28	6.0%
29			1		1												19	4.1%
30			1		1												19	4.1%
31			2		1												18	3.9%
32			3		1												17	3.7%
33		1			1												13	2.8%
34					1												12	2.6%
35					1												12	2.6%
36		1			1												10	2.2%
37			1		1												5	1.1%
38			1		1												7	1.5%
39		1			1												6	1.3%
40		1			1												4	0.9%
41			1		1												2	0.4%
Total No. Measured:	0	12	28	45	14	32	40	18	19	29	28	26	35	61	23	54	464	100%
Total Length:	0	312	724	1,152	334	776	986	453	527	792	744	693	987	1,660	583	1,457	12,178	
Average Length:	NA	26.0	25.9	25.6	23.9	24.2	24.6	25.2	27.7	27.3	26.6	26.7	28.2	27.2	25.3	27.0	26.2	
Total No. Spared:	2	13	41	59	14	34	41	30	19	30	32	30	37	68	29	54	533	
Percent Measured:	0.0%	92.3%	68.3%	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%	87.1%	