

Open Water Spearing in Northern Wisconsin by Chippewa Indians During 2002

by

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ABSTRACT

The year two-thousand two (2002) marked the eighteenth consecutive spring that spear fishing was conducted by Chippewa tribes in off-reservation waters of northern Wisconsin. A total of 419 tribal members participated in this traditional fishery. Spearing occurred on 159 lakes and walleye were harvested from all except 6 lakes. A total of 26,004 fish were taken with 98.2% of the catch (25,543 fish) being walleye. Numbers of other gamefish harvested were 218 muskellunge, 153 bass, and 40 northern pike. Average lengths were 15.4 inches for walleye and 39.0 inches for muskellunge. The tribal walleye quota was exceeded by a total of 25 fish on one lake. Except for this one instance, harvest of walleye and muskellunge was maintained within the established limits by a nightly permit system and complete monitoring of the catch.

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INTRODUCTION

This report presents data for harvest and effort by Chippewa spearers in ceded territory waters of northern Wisconsin (Figure 1) during spring 2002. Since 1989 two other seasonal fisheries have sometimes occurred in off-reservation waters: fall spearing and summer gill-netting. During summer and fall 2002, no spearing or netting occurred.

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 prior to the spring season.

During spearing, teams of creel clerks and wardens were assigned to each lake in some areas and only to lakes where permits had been issued in other areas. These teams arrived at the designated boat landing before dark and 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.

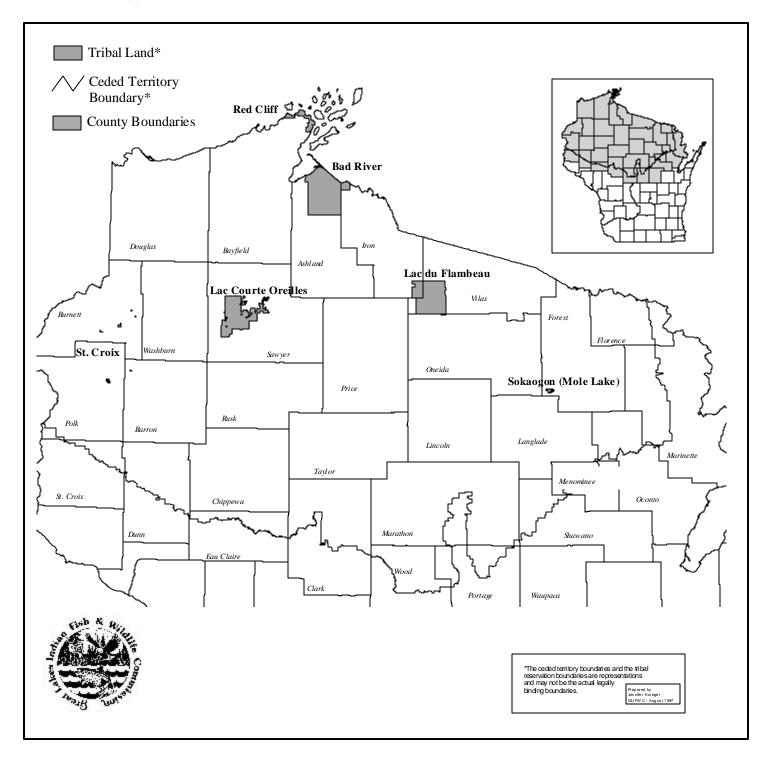


Figure 2 Off-Reservation Treaty Fishing Permit used during the 2002 open-water season.

29 30	31	MONTH		_ '		3	4
Off-Reservation Treaty Fishing Permit ☐ Spearing ☐ Fyke Netting № 0250							
	ning		Gill Nettin	g			
	_		of				ilon
			of				lon
			County:				1
•			Muskellu				i
20	19	18 1	7 16	15	14	7	 13

FRONT

Spearing Times:	Num	ber of:	
Starting	_ Walle	eye per boat	
Ending	Musl	ky per boat	
	WALLEYE LEN	GTHS	

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 spearers, the number of spearer-nights, and the number of boat-hours.

Number of spearers. All tribal members spearing under permits issued by each tribe were counted as an individual spearer for that tribe regardless of whether the spearer was an enrolled member of the tribe issuing permits. A total of 419 tribal members participated in the 2002 spring spear fishery (Table 1, Figure 3, Appendix A). Compared to 2001 the total number of spearers increased by 10 persons or 2%.

Table 1. Number of spearers on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1986-2002¹.

YEAR	BRV	LCO ²	LDF	MLK	RCF	STC ³	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
2001	36	67	139	71	55	41	409
2002	34	56	150	63	54	62	419
PERCENT CHANGE: 2001-2002	-6%	-16%	+8%	-11%	-2%	+51%	+2%

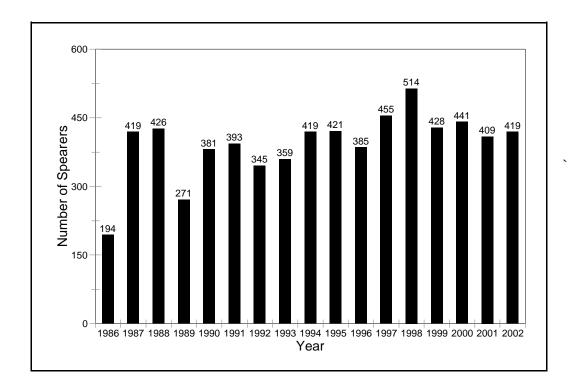
Abbreviations for the various bands are: BRV = Bad River, LCO = Lac Courtes Oreilles, LDF = Lac du Flambeau, MLK = Mole Lake, RCF = Red Cliff, and STC = St. Croix.

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

³Includes 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, 7 in 2000, 1 in 2001, and 2 in 2002.

All persons spearing on lakes selected by Bad River, Lac Courte Oreilles, Lac du Flambeau, and Red Cliff were members of that tribe (34, 56, 150, and 54 persons, respectively). Of the 63 members spearing on lakes selected by Mole Lake, 1 was a member of the Red Cliff tribe. Lakes selected by St. Croix were also speared by 2 Bad River members and 2 Mille Lacs members.

Figure 3. Number of spearers during spring spearing seasons from 1986-2002.



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 1986-2002.

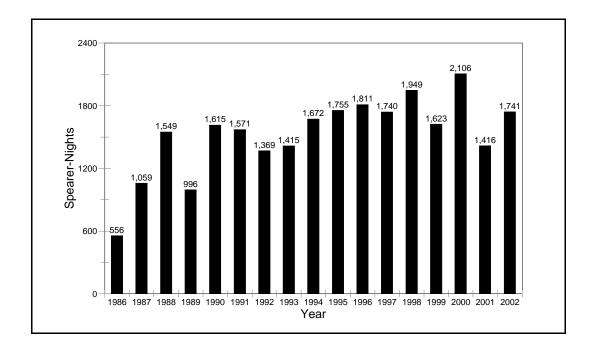
YEAR	BRV	LCO ¹	LDF	MLK	RCF	STC ²	TOTAL:
1986	2	50	382	72		50	556
1987	43	140	695	205		181	1,264
1988	64	165	788	249	37	246	1,549
1989	70	109	429	120	100	168	996
1990	174	116	751	221	124	229	1,615
1991	151	216	605	201	160	238	1,571
1992	140	140	512	177	168	232	1,369
1993	172	218	469	241	144	171	1,415
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
2001	105	216	537	214	143	201	1,416
2002	155	196	605	271	152	362	1,741
PERCENT CHANGE: 2001-2002	+48%	-9%	+13%	+27%	+6%	+80%	+23%

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

²Includes 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, 28 in 2000, 3 in 2001, and 3 in 2002.

A total of 1,741 spearer-nights were recorded during spring 2002 (Table 2, Figure 4, Appendix B). About one-third of this effort (605 spearer-nights) occurred on lakes selected by Lac du Flambeau. Spearer-nights on lakes selected by the other five tribes ranged from 152 at Red Cliff to 362 at St. Croix. Compared to 2001, effort increased by 325 spearer-nights or 23%.

Figure 4. Number of spearer-nights during spring spearing seasons from 1986-2002.



Number of Boat-Hours. A total of 1,825 boat-hours of effort was recorded in 2002 (Table 3, Figure 5, Appendix B). Compared to 2001, the number of boat-hours increased by 21% (322 boat-hours). About one-third of the effort (489 boat-hours or 27%) occurred on lakes selected by Lac du Flambeau. Boat-hours on lakes selected by the other five tribes ranged from 181 at Bad River to 395 at St. Croix.

Table 3. Number of spearer boat-hours on lakes selected by six Wisconsin Chippewa bands during spring spearing from 1986-2002.

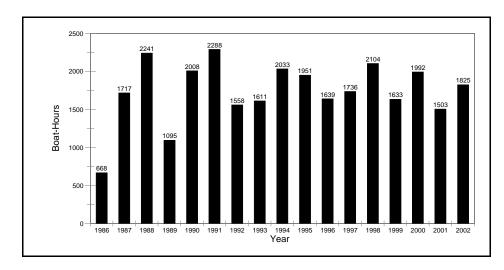
Year	BRV ¹	LCO ²	LDF	MLK	RCF	STC ³	Total:
1986	2	53	440	95		78	668
1987	46	163	976	252		280	1,717
1988	173	247	1094	393		334	2,241
1989	135	122	364	155	109	210	1,095
1990	254	151	787	298	181	338	2,008
1991	288	283	704	344	226	444	2,288
1992	206	221	453	218	178	281	1,558
1993	201	290	459	297	164	200	1,611
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
2001	157	273	458	214	171	230	1,503
2002	181	233	489	325	203	395	1,825
PERCENT CHANGE: 2001-2002	+15%	-15%	+7%	+52%	+19%	+72%	+21%

¹Includes Red Cliff boat-hours in 1988.

²Includes effort for Mille Lacs tribe in 1990, 1991, 1993, and 1994.

³Includes effort for Mille Lacs tribe from 1988-2002.

Figure 5. Number of boat-hours of effort during spring spearing seasons from 1986-2002.



For all tribes combined, a total of 793 interviews were conducted and effort (boat-hours) was determined for all (Appendix B). Average length of a trip was 2.3 boat-hours (Table 4).

Table 4. Number of interviews and average length of spearing trip (in boat-hours) during spring spearing from 1989-2002.

spearing 110.		AVERAGE LENGTH OF TRIP:							
YEAR	BRV	LCO ¹	LDF	MLK	RCF	STC ¹	TOTAL		
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	2.0	2.8	2.4	2.4	2.5		
1993	2.2	2.4	2.0	2.5	2.9	2.4	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		
2001	2.7	2.6	2.2	2.4	2.8	2.5	2.4		
2002	2.2	2.4	2.0	2.5	2.9	2.4	2.3		
2002 Boat-hours:	181	233	489	325	203	395	1,825		
2002 interviews with effort:	84	97	248	131	70	163	793		
2002 interviews without effort:	0	0	0	0	0	0	0		

¹Includes effort for Mille Lacs tribe.

Total Harvest

Twelve taxa of fish were harvested during the 2002 spring spear fishery (Table 5). Of the 26,004 fish taken 98.2% were walleye. Percentages of the total catch for other game fish species were 0.83% for muskellunge, 0.59% for bass, and 0.15% for northern pike. Other species combined (panfish and rough fish) totaled 50 fish and made up the remaining 0.19% of the harvest.

Table 5. Number of various fish species harvested during spring spearing seasons from 1998-2002.

Species:	1998	1999	2000	2001	2002
Walleye	27,218	26,105	30,367	22,743	25,543
Muskellunge	271	275	325	233	218
Bass Species	3	1		16	16
Largemouth Bass	191	97	179	114	118
Smallmouth Bass	99	28	42	70	19
Northern Pike	68	29	54	32	40
Rock Bass	6	2	6	2	10
Crappie	50	134	78	51	19
Sunfish (Bluegill, Pumpkinseed)	4	44	2	6	14
Yellow Perch	7	4	7	4	
Sucker	40	27	16	22	4
Whitefish	1	2	1	3	2
Carp			2	1	
Bowfin		1	1		1
Burbot			2		
TOTAL:	27,941	26,749	31,082	23,297	26,004

Walleye Harvest

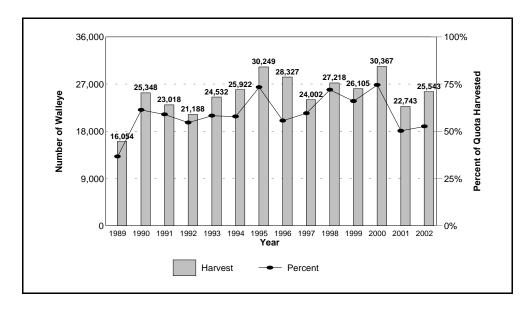
Tribal quotas (TQ) for walleye were selected for 283 lakes and totaled 48,628 walleye (Table 6). The percent of the "safe harvest" selected as tribal quotas for lakes in 2002 ranged from 0.0% (Kentuck Lake, Vilas County) to 94.87% (Virgin Lake, Oneida County). Two tribes selected the same lake in 11 instances and agreed on various inter-tribal allocation formulas to keep the TQ within the selected percentage. No lakes were selected by more than two Wisconsin tribes.

Tribal spearers harvested a total of 25,543 walleye from 153 lakes (Table 6, Figure 6, Appendix B). Spearing also occurred in six other lakes (Julia Lake, Oneida County; Amik Lake, Price County; Duroy Lake, Price County; Lac Sault Dore, Price County; Long Lake, Price County; and Rib Lake, Taylor County) but no walleye were harvested. The percent of the total walleye quota harvested was 53%. Values for the tribal walleye quota and percent of this quota harvested from 1989-2002 were as follows:

Table 6. Number of lakes with a tribal walleye quota, spearing effort, and harvest plus percent of overall quota harvested from 1989-2002.

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%
2001	45,321	275	22,743	149	147	50%
2002	48,628	283	25,543	159	153	53%

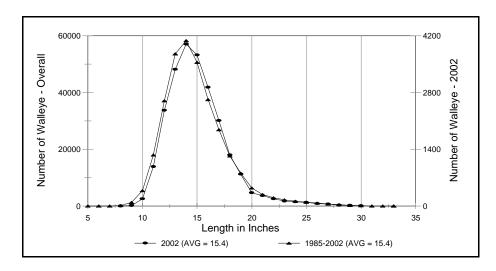
Figure 6. Number of walleye and percent of quota harvested during spring spearing seasons from 1989-2002.



Mean Length. A total of 22,931 walleye (90% of the catch) was measured in 2002 (Appendices C and D). The mean length was 15.4 inches, which is within the average length range from 1985-2001 (range: 15.0-16.3 inches). Size restrictions were identical during each of these fifteen 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 18 spring spearing seasons combined, 83% of the walleye harvest has been measured (339,594 of 407,607 fish) (Figure 7; Appendix D). Average length for this 18-year sample was 15.4 inches. Also, 6.3% of the walleye (21,226 fish) were 20 inches or larger and 1.2% (4,030 fish) were 25 inches or larger.

Figure 7. Length frequency of walleye speared during 2002 and during the eighteen year period from 1985-2002.



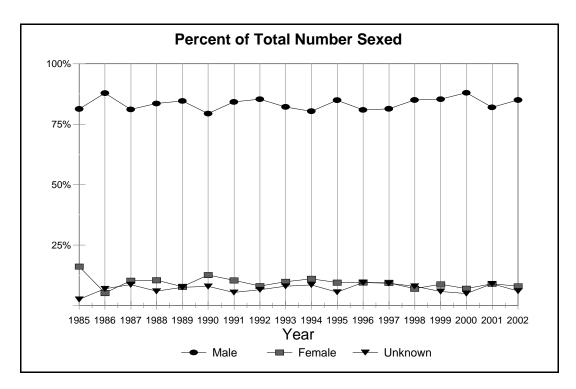
Sex Composition of Catch. The majority of walleye sexed in 2002 were male: 19,624 of 22,949 fish or 86% (Table 7). Females (1,889 fish) comprised 8% of the sexed harvest and those whose sex could not be determined (1,436 fish) made up 6%. Males made up 91% of sexable fish.

For the 18 spring spearing seasons combined, a total of 340,465 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 limit 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 1985-2002.

	Total	Ma	le	Fema	ale	Unkr	nown	Total Sexed:	
Year	Harvest	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%
2001	22,743	17,402	82%	2,005	9%	1,854	9%	21,261	93%
2002	25,543	19,624	86%	1,889	8%	1,436	6%	22,949	90%
Total:	407,607	284,577	84%	31,257	9%	24,631	7%	340,465	84%

Figure 8. Sex composition of the walleye harvest during spring spearing seasons from 1985-2002.



Catch per effort (CPE). In 2002 a total of 1,825 boat-hours of spearing was recorded in which 25,543 walleye were caught. Overall catch per effort (total harvest/total boat-hours) was 14.0 walleye per boat-hour (Appendix B).

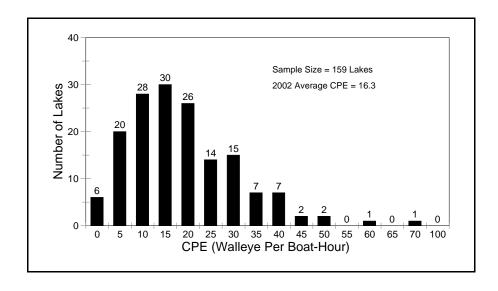
Catch rates for the 159 lakes speared in 2002 ranged from 0.0 to 65.8 and averaged 16.3 per boathour (Appendix B, Table 8, Figure 9). Boat-hour effort was completely recorded for all lakes during spring 2002.

Table 8. Range and average catch rates in lakes speared during spring spearing season from 1987-2002.

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
2001	149	0.0 - 95.4	17.5
2002	159	0.0 - 65.8	16.3

(Biological Issues Group 1988, Kmiecik and Shively 1989, 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, Krueger 2001, Krueger 2002).

Figure 9. Walleye CPE (number per boat-hour) by lake during the 2002 spring spearing season.



Muskellunge Harvest

A total of 218 muskellunge were taken from 52 lakes during spring 2002 (Figure 10, Appendix E). This harvest represented 14% of the combined tribal muskellunge quota of 1,555 fish selected for 206 lakes. Similar muskellunge quota statistics for the years 1990 to 2001 were as follows:

Table 9. Number of lakes with a tribal muskellunge quota, with harvest, and percent of overall quota harvested from 1990-2002.

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%
2001	1,580	198	61	233	14.7%
2002	1,555	206	52	218	14.0%

The number of muskellunge harvested from each of these 52 lakes ranged from 1 to 17 fish (Appendix E). Ten or more muskellunge were harvested from 6 lakes, 6-9 muskellunge were taken from 6 lakes, and 1-5 fish were speared in 40 lakes. No muskellunge were speared from the other 154 lakes.

Lengths of the 217 measured muskellunge averaged 39.0 inches and ranged from 26.8 to 50.5 inches (Appendix F, Figure 11). During the eighteen spring seasons combined, 3,922 of 3,971 speared muskellunge have been measured. Average length for this sample of fish was 37.2 inches (range: 13.5-53.0 inches).

Of the measured catch in 2002, 9.2% (20 of 217 muskellunge) were 32 inches and smaller, while 13.8% (30 fish) were 45 inches and larger. For the 3,922 muskellunge measured from 1985-2002, 705 fish or 18% of the sample were less than or equal to 32 inches; 290 fish or 7.4% were 45 inches and larger (Appendix F).

The number of muskellunge per spearer averaged 0.52 for all tribes combined. In other words, 52 muskellunge were taken for every 100 spearers. From 1987-2001 the number per spearer ranged from 0.16 to 1.19. The combined tribal catch rate for muskellunge in 2002 was 0.12 muskellunge per boat-hour which was within the range of CPE's from 1987-2001 (0.07 to 0.19).

Figure 10. Number of muskellunge harvested during spring spearing seasons from 1985-2002.

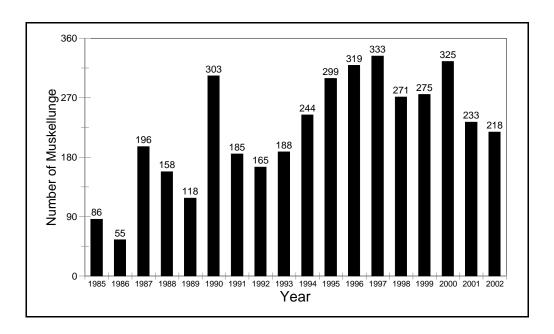
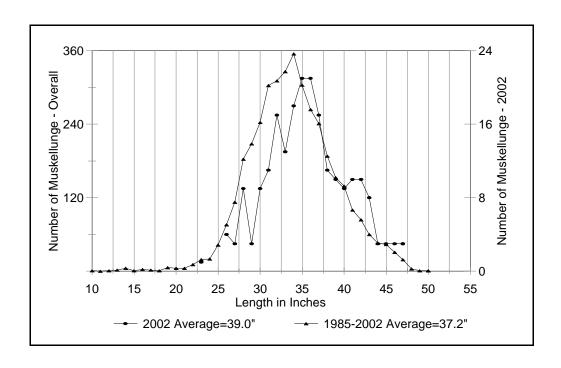


Figure 11. Length-frequency of muskellunge speared during spring 2002 and during the eighteen year period 1985-2002.



Bass Harvest

A total of 153 bass were harvested from 23 lakes in 9 counties (Appendix G). Species was recorded for all bass except 16. A total of 118 largemouth bass were taken from 15 lakes in 4 counties and averaged 15.3 inches. Ten or more largemouth were speared from 3 lakes, 6-9 from 2 lakes, and 5 or less were taken from 10 lakes. The number harvested per surface acre of water averaged 0.0091 largemouth bass (range: 0.0006-0.0443).

A total of 19 smallmouth bass were speared from 8 lakes in 5 counties. Average length was 15.9 inches. Five or fewer fish were taken from all but one lake. The number harvested per surface acre averaged 0.0018 smallmouth bass (range: 0.0005-0.0043).

Lengths of 150 measured bass ranged from 7.2-20.5 inches (Figure 13) and averaged 15.5 inches (Appendix H). Of the 3,061 bass speared during the eighteen spearing seasons combined, 2,894 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 0.37. This CPE ranged from 0.29 to 0.66 from 1987-2001. The combined tribal catch rate for bass in 2002 was 0.08 bass per boat-hour which was within the range of CPE's from 1987-2001 (0.06 to 0.14).

Figure 12. Number of bass harvested during spring spearing seasons from 1985-2002.

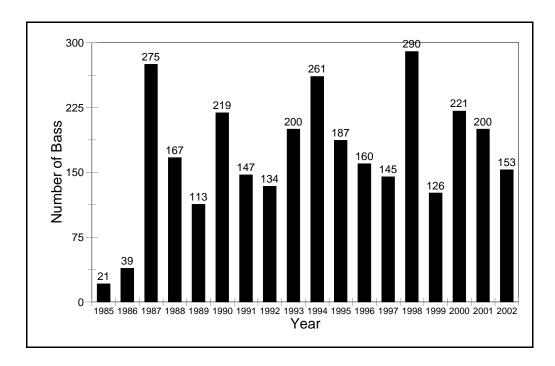
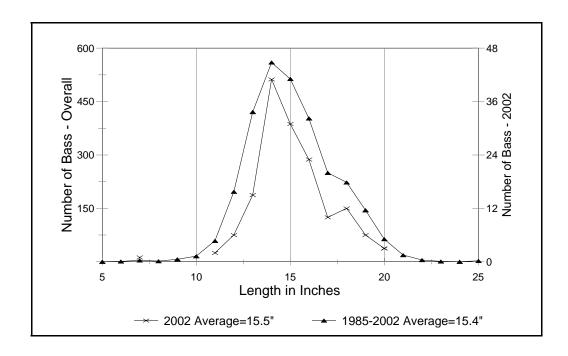


Figure 13. Length-frequency for bass taken during 2002 and during the eighteen year period 1985-2002.



Northern Pike Harvest

A total of 40 northern pike were harvested from 19 lakes in 11 counties (Appendix G). The number speared per lake exceeded 5 fish on two lakes. Catch per surface acre of water averaged 0.0015 (range: 0.0001-0.0051).

Lengths of 39 measured northern pike ranged from 19.6 to 40.5 inches and averaged 30.5 inches (Appendix I, Figure 15). During the eighteen spring seasons combined a total of 605 northern pike have been speared (Appendix I). Of these, 535 were measured and length averaged 26.8 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 1985-2002.

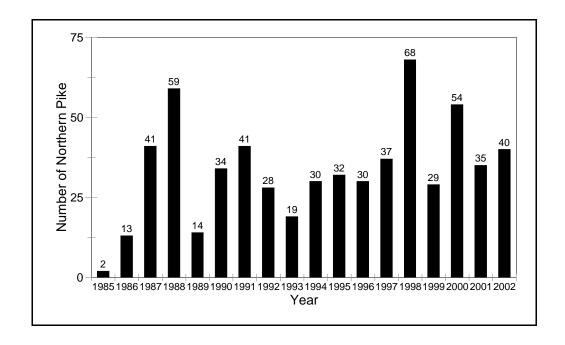
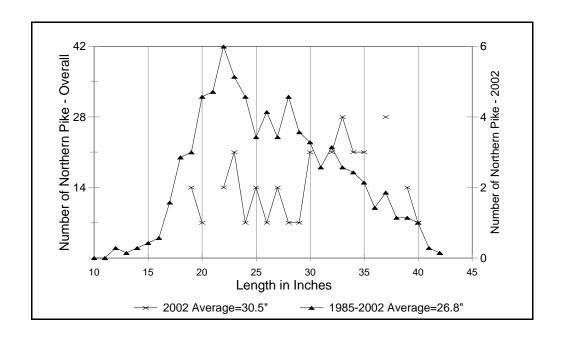


Figure 15. Length frequency of northern pike speared during 2002 and during the eighteen year period from 1985-2002.



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Appendix A. Number of tribal members that speared one or more nights on lakes selected by six Wisconsin Chippewa bands during the 2002 spring spear fishery.

Number of								Percent	Cumulative
Nights	BRV	LCO	LDF	MLK 1	RCF	STC 2	Total:	of Total:	Percent:
1	16	24	52	18	27	17	154	36.8%	36.8%
2	9	8	28	10	9	9	73	17.4%	54.2%
3	1	8	13	8	5	6	41	9.8%	64.0%
4	3	5	15	9	3	3	38	9.1%	73.0%
5	1	2	6	3	4	5	21	5.0%	78.0%
6	3	4	8	8	3	3	29	6.9%	85.0%
7	0	3	7	3	2	2	17	4.1%	89.0%
8	0	1	8	0	1	6	16	3.8%	92.8%
9	0	0	7	1	0	1	9	2.1%	95.0%
10	1	1	3	0	0	1	6	1.4%	96.4%
11	0	0	1	1	0	0	2	0.5%	96.9%
12	0	0	1	0	0	4	5	1.2%	98.1%
13	0	0	0	1	0	2	3	0.7%	98.8%
14	0	0	1	0	0	3	4	1.0%	99.8%
15	0	0	0	0	0	0	0	0.0%	99.8%
16	0	0	0	0	0	0	0	0.0%	99.8%
17	0	0	0	0	0	0	0	0.0%	99.8%
18	0	0	0	0	0	0	0	0.0%	99.8%
19	0	0	0	1	0	0	1	0.2%	100.0%
20	0	0	0	0	0	0	0	0.0%	100.0%
Total:	34	56	150	63	54	62	419	100%	100%

Includes 1 member from Red Cliff.
 Includes 2 members from Bad River and 2 from Mille Lacs.

	Bad River		Walleye	2002																												
		Area	Safe	Tribal	April	1			ı			1	1	1	1	1	1	May	1	1	1		ı	1		1	1	1	Total	Quota	Boat-	
County	Lake	(acres)	Harvest	Quota	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	Harvest	Balance	Hour	CPE
ASHLAND	BEAR L	204	88	52																									0	52		*
BAYFIELD	L OWEN	1323	301	90						5		9							76										90	0	6.8	13.2
BAYFIELD	NAMEKAGON L	3227	1493	448						112		109	180																401	47	22.2	18.1
BAYFIELD	SISKIWIT L	330	258	154																									0	154		*
BURNETT	CLAM R FL	359	151	90																									0	90		*
CHIPPEWA	L WISSOTA	6300	2247	1235		8	68																						76	1159	9.2	8.3
CHIPPEWA	LONG L	1052	567	340		196	144																						340	0	15.0	22.7
DOUGLAS	AMNICON L	426	177	106																									0	106		*
DOUGLAS	BOND L	292	13	7																									0	7		*
DOUGLAS	DOWLING L	154	67	40																									0	40		*
DOUGLAS	L MINNESUING	432	80	47																									0	47		*
DOUGLAS	WHITEFISH L	832	119	71			20			39																			59	12	8.5	6.9
DUNN	TAINTER L	1752	676	405																									0	405		*
IRON	ECHO L	220	95	56																									0	56		*
IRON	FISHER L	452	56	33																									0	33		*
IRON	L OF THE FALLS	338	142	85																									0	85		*
IRON	LONG L	396	93	55																									0	55		*
IRON	PINE L	312	132	79																									0	79		*
IRON	SPIDER L	352	148	88																									0	88		*
IRON	TRUDE L	781	315	188																60								57	117	71	5.0	23.4
IRON	TURTLE-FLAMBEAU FL	13545	4593	900																213									213	687	7.0	30.4
ONEIDA	RAINBOW FL	2035	778	213																				**					0	213		*
PRICE	DUROY L	379	159	95		0																							0	95	1.5	0.0
PRICE	LONG L	418	174	52																									0	52		*
PRICE	PIKE L	806	325	97																	**								0	97		*
PRICE	ROUND L	726	294	88																	88								88	0	2.9	30.3
PRICE	SOLBERG L	859	546	163																	**								0	163		*
RUSK	CHAIN L	468	194	116			**						60																60	56	3.2	18.8
RUSK	DAIRYLAND RESERVOIR	1745	673	403																									0	403		*
RUSK	ISLAND L	526	217	130			16						45																61	69	3.7	16.5
SAWYER	CONNORS L	429	179	107		22							**																22	85	1.3	16.9
SAWYER	NELSON L	2503	945	401				**								39													39	362	8.4	4.6
SAWYER	TEAL L	1049	800	479		99	96	29	143	112																			479	0	35.0	13.7
TAYLOR	RIB L	320	135	80	0																								0	80	1.8	0.0
VILAS	ANNABELLE L	213	92	55																									0	55		*
VILAS	BLACK OAK L	584	69	41													**			26									26	15	1.0	26.0
VILAS	CRAB L	949	273	163													48		115										163	0	7.5	21.7
VILAS	FOREST L	466	193	115										16			98												114	1	7.6	15.0
VILAS	HARRIS L	507	209	125												**		125											125	0	1.9	65.8
VILAS	HIGH L	734	297	178									111					66											177	1	14.6	12.1
VILAS	LOST CANOE L	249	106	63																									0	63		*

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2002. 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.

	Bad River		Walleye	2002																												
		Area	Safe	Tribal	April													May											Total	Quota	Boat-	
County	Lake	(acres)	Harvest	Quota	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	Harvest	Balance	Hour	CPE
VILAS	N TURTLE L	369	155	92																									0	92		*
VILAS	PRESQUE ISLE L CHAIN	1571	630	377										47		330													377	0	9.3	40.5
VILAS	S TURTLE L	454	188	112													29												29	83	2.9	10.0
VILAS	TENDERFOOT L	437	159	95																95									95	0	4.5	21.1
Number of la	ikes:	45			1	5	6	2	1	4	0	2	5	2	0	3	4	2	2	4	3	0	0	1	0	0	0	1				
Area in acre	S:	51,875																														
Number of w	alleye:		19,601	8,409	0	325	344	29	143	268	0	118	396	63	0	369	175	191	191	394	88	0	0	0	0	0	0	57	3,151	5,258		
Number of s	pearer-nights:				2	19	15	2	3	14	0	9	17	6	0	22	7	8	9	17	2	0	0	0	0	0	0	3	155			
Number of in	terviews with effort:				1	11	10	1	3	9	0	4	9	2	0	9	5	4	4	8	2	0	0	0	0	0	0	2	84			
Number of in	iterviews without effort:				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Number of b	oat-hours:				1.8	26.5	21.1	4.8	8.2	23.2	0.0	9.0	23.6	4.1	0.0	15.7	12.6	4.2	5.6	15.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.0			180.8	
Catch-per-ef	fort:				0.0	12.3	16.3	6.0	17.4									45.5		25.4	30.3	0.0			0.0	0.0	0.0	28.5				17.4

^{*} Lakes not speared during spring 2002.

^{**} Lakes open for spearing but no effort.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2002. 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.

	Lac Courte Oreilles		Walleye	2002																												
		Area	Safe	Tribal	April														May										Total	Quota	Boat-	
County	Lake	(acres)	Harvest	Quota	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	Harvest	Balance	Hour	CPE
CHIPPEWA	HOLCOMBE FL	3890	1431	1216																									0	1216		*
CHIPPEWA	OLD ABE L	1072	425	361																									0	361		*
CHIPPEWA	OTTER L	661	77	65																									0	65		*
CHIPPEWA	ROUND L	216	29	24																									0	24		*
RUSK	AMACOY L	278	36	30																									0	30		*
RUSK	FIRESIDE LAKES	302	128	108																									0	108		*
RUSK	POTATO L	534	140	107																									0	107		*
RUSK	PULASKI L	126	56	33																									0	33		*
RUSK	SAND L	262	35	29																									0	29		*
SAWYER	BARBER L	238	32	27																									0	27		*
SAWYER	DURPHEE L	193	83	63																									0	63		*
SAWYER	GRINDSTONE L	3111	189	113										113															113	0	8.4	13.5
SAWYER	L CHETAC	1920	737	626			67	100		259											200								626	0	28.4	22.0
SAWYER	L CHIPPEWA	15300	3421	1881	**	62	**	1	**	119	59	**	18	205	**	197	153	126	**			**	**	**	**	**	**	**	940	941	84.6	11.1
SAWYER	L OF THE PINES	273	116	98																									0	98		*
SAWYER	LAC COURTE OREILLES	5039	602	361														180	37	**									217	144	18.2	11.9
SAWYER	LITTLE ROUND L	229	79	67																									0	67		*
SAWYER	LOST LAND L	1304	59	45																					**	**	**	**	0	45		*
SAWYER	LOWER CLAM L	229	22	16																									0	16		*
SAWYER	ROUND L	3054	1140	968														393	173	83	140	**	**	178					967	1	56.6	17.1
SAWYER	SAND L	928	146	58						**	**																		0	58		*
SAWYER	SISSABAGAMA L	719	291	247						26	94	**	26	41	**	**	**												187	60	13.4	14.0
SAWYER	SMITH L	323	42	35																									0	35		*
SAWYER	SPIDER L	1454	151	128																		**	**	30	26	**	**	**	56	72	5.9	9.5
SAWYER	TIGER CAT FL	819	24	20																									0	20		*
SAWYER	WHITEFISH L	786	89	53							**	**	3	**															3	50	2.2	1.4
SAWYER	WINDFALL L	102	45	26			26																						26	0	1.0	26.0
WASHBURN	BIRCH L	368	46	27																									0	27		*
WASHBURN	LONG L	3290	608	234											**	100	134												234	0	14.1	16.6
WASHBURN	STONE L	523	63	53																									0	53		*
Number of lake	S:	30			1	1	3	2	1	4	4	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
Area in acres:		47,543																														
Number of walle	eye:		10,342	7,119	0	62	93	101	0	404	153	0	47	359	0	297	287	699	210	83	340	0	0	208	26	0	0	0	3,369	3,750		
Number of spea	arer-nights:				0	10	8	6	0	26	11	0	8	19	0	8	13	35	15	4	17	0	0	13	3	0	0	0	196			
Number of inter	views with effort:				0	5	4	3	0	13	5	0	3	9	0	5	6	16	8	2	10	0	0	7	1	0	0	0	97			
Number of inter	views 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			<u> </u>
Number of boat	-hours:				0.0	14.7	10.0	8.0	0.0	35.5	14.3	0.0	7.6	23.1	0.0	12.6	15.6	35.2	23.4	3.9	14.2	0.0	0.0	11.1	3.6	0.0	0.0	0.0			232.8	igsquare
Catch-per-effor	t:				0.0	4.2	9.3	12.6	0.0	11.4	10.7	0.0	6.2	15.5	0.0	23.6	18.4	19.9	9.0	21.3	23.9	0.0	0.0	18.7	7.2	0.0	0.0	0.0				14.5

^{*} Lakes not speared during spring 2002.
** Lakes open for spearing but no effort.

	Lac du Flambeau	۸	Walleye	2002 Tribal	A = -!!											N/																Total	Ouet-	De-4	1
County	Lake	Area (acres)	Safe Harvest	Tribal Quota	April 20	21	22	23	24	25	26	27	28	29	30	May 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Total Harvest	Quota Balance	Boat- Hour	CPE
RON	GILE FL	3384		690										**	400	85	**	18	99	**	**											602	88	15.9	37
RON	MERCER L	184	25	13																												0	13		'
RON	TURTLE-FLAMBEAU FL	13545		1625											731	485	140	118	**	**	45	**	**	**	**	**						1519	106	58.0	26
INCOLN	L MOHAWKSIN	1910	733	403	0	**	4	**				**	**	4	**																	8	395	4.9	1
INCOLN	RICE R FL CHAIN	3764		731	28	0	113	280	**	73	227																					721	10	48.9	14
ONEIDA	BEARSKIN L	400	323	129				95	**	34																						129	0	4.7	27
NEIDA	BLUE L	456		103				**																								0	103		
NEIDA	BOOTH L	207		15																												0	15		
NEIDA	BUCKSKIN L	634		99		99																										99	0	2.5	3
NEIDA	CARROL L	335		37												25														**	**	25	12	2.6	9
NEIDA	CLEAR L	846	340	135												132							**									132	3	4.0	3
NEIDA	DAM L	744	301	165						81	81																					162	3	5.8	2
NEIDA	GEORGE L	435		99									**	97																		97	2	5.3	1
NEIDA	GILMORE L	301		21																												0	21		
NEIDA	HASBROOK L	302		56								27			28																	55	1	2.2	2
NEIDA	ISLAND L	295	125	68							**	**			**	**		44														44	24	3.4	1
NEIDA	JULIA L (THREE LAKES)	401	167	91																		0										0	91	0.6	
NEIDA	KATHERINE L	590	461	184					110	74														***	***							184	0	10.3	1
NEIDA	KAWAGUESAGA L	670	272	149								87	14									**		**	9							110	39	8.5	1
NEIDA	L THOMPSON	382	48	26									**																			0	26		
NEIDA	LITTLE FORK L	354	149	81											81																	81	0	4.4	'
NEIDA	MANSON L	236	86	34			**	**	**	**	34																					34	0	1.8	'
NEIDA	MEDICINE L	372	156	85						**	85																					85	0	5.3	1
NEIDA	MINOCQUA L	1360	532	292								86	231									***		***	***					***	***	317	-25	12.6	2
NEIDA	MOEN L	460	191	24									**																			0	24		
NEIDA	MUSKELLUNGE L	284	121	66											66																	66	0	5.6	1
NEIDA	N NOKOMIS L	476	58	31										26																		26	5	1.5	1
NEIDA	PICKEREL L	736	85	46								**	18	**																		18	28	2.3	1
NEIDA	RAINBOW FL	2035	778	213							**	**	103	90																		193	20	11.9	1
NEIDA	SAND L	540	222	122						39	83																					122	0	7.0	1
NEIDA	SQUIRREL L	1317	931	372					136	183	51											**							2			372	0	20.6	1
NEIDA	TOMAHAWK L CHAIN	3552	534	213										209								4				***			***			213	0	12.1	1
NEIDA	TWO SISTERS L	719	291	160										154																**	6	160	0	7.3	2
NEIDA	WILLOW FL	5135	1856	1020					**	0	12	**	**			4	**	69	**	**	1		**	**	**	**						86	934	8.2	1
RICE	AMIK L	224	96	52			0	**	**					**																		0	52	2.0	-
RICE	BUTTERNUT L	1006	400	219	**	3	54	**	**	**	160																					217	2	6.0	3
RICE	LAC SAULT DORE	561	230	126	0	**	**	**				**																				0	126	3.2	
RICE	LONG L	418	174	43	0	**	**																									0	43	0.6	(
RICE	MUSSER L	563	67	36	**	**	**																									0	36		
RICE	PIKE L	806	325	81	0	**	4	**	0					37																		41	40	12.0	;
RICE	ROUND L	726	294	73	**	0	**	**	54					19																		73	0	6.8	1
RICE	SOLBERG L	859	546	55	**	7	**	**	**		**	**																				7	48	1.3	
RICE	TURNER L	149	65	35	**	**	0	**	0					8																		8	27	6.1	
ILAS	ALDER L	274	117	64														**	**		**											0	64		
ILAS	ANVIL L	380	159	87											87																	87	0	1.5	5
ILAS	BALLARD L	505	639	255														195	60													255	0	8.8	2
ILAS	BIG ARBOR VITAE L	1090	994	397									383									**					**	7				390	7	16.0	2
ILAS	BIG CROOKED L	682	235	93																												0	93		1
ILAS	BIG L (BOULDER JCT)	835		128													120										**	**				120	8	4.8	2
'ILAS	BIG L (MI BORDER)	771		135																109	**											109	26	3.9	2
/ILAS	BIG MUSKELLUNGE L	930		204														203														203	1	5.5	3
/ILAS	BIG PORTAGE L	638		142			l		l			1			1					142												142	0	4.5	3

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2002. 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.

	Lac du Flambeau		Walleye	2002																															
County	Lake	Area (acres)	Safe Harvest	Tribal Quota	April 20	21	22	23	24	25	26	27	28	29	30	May 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		otal	Quota Balance	Boat- Hour	CPE
					20			20			20		20	25											10				1.7	10			Balarioc		
VILAS	BIG ST GERMAIN L	1617	627	344											278	66						***					***	***				44	0	12.4	27.7
VILAS	BIRCH L	528	217	119											45																4		74	2.9	15.5
VILAS	BOULDER L	524	216	118													118															18	0	4.6	25.7
VILAS	CLEAR L	555	228	125												125											***				1:	25	0	2.8	44.6
VILAS	DEAD PIKE L	297	39	21																											0		21		*
VILAS	EAGLE L	572	300	119													119															19	0	3.3	36.1
VILAS	FISHTRAP L	329	139	76													**			**	**		20	**	**	**					20		56	0.6	33.3
VILAS	HORSEHEAD L	234	134	53																						**		**	**	**	** 0		53		*
VILAS	HUNTER L	184	80	43																											0		43		*
VILAS	ISLAND L	1023	407	223													218													**	** 2	18	5	7.7	28.3
VILAS	JAG L	158	69	37																			1					**			1		36	1.0	1.0
VILAS	L LAURA	599	245	134															90												91	0	44	4.0	22.5
VILAS	LITTLE ARBOR VITAE L	534	220	120										119																	1	19	1	2.5	47.6
VILAS	LITTLE CROOKED L	153	67	36																											0		36		*
VILAS	LITTLE JOHN L	166	23	12																											0		12		*
VILAS	LITTLE ST GERMAIN L	980	108	59											56												**				50	6	3	3.0	18.7
VILAS	LITTLE STAR L	244	104	57														**	**		57										5	7	0	2.2	25.9
VILAS	LITTLE TROUT L	978	117	64																											0		64		*
VILAS	LOWER BUCKATABON L	352	45	24																											0		24		*
VILAS	LYNX L	339	143	78															42		7										49	9	29	4.5	10.9
VILAS	MAMIE L	400	161	88																**	85										8	5	3	2.5	34.0
VILAS	MANITOWISH L	506	209	114														**	**		114										1	14	0	7.4	15.4
VILAS	OXBOW L	511	211	116															20	2	**										2:	2	94	3.6	6.1
VILAS	PAPOOSE L	428	178	97														97													9	7	0	3.8	25.5
VILAS	PLUM L	1033	408	163													156												**	**	2 1	58	5	6.1	25.9
VILAS	RAZORBACK L	362	152	83																**	81										8	1	2	3.4	23.8
VILAS	REST L	608	249	136													136														1:	36	0	4.4	30.9
VILAS	SNIPE L	239	120	47															47												4	7	0	4.3	10.9
VILAS	SPIDER L	272	116	63													**	**	**		**		**	**	**	**				**	** 0		63		*
VILAS	SQUAW L	785	337	134				28	**	**	49	**	**			45															1:	22	12	12.8	9.5
VILAS	STAR L	1206	475	261															257										3			60	1	5.7	45.6
VILAS	TROUT L	3816	954	381														369									**	12				81	0	16.6	23.0
VILAS	UPPER BUCKATABON L	494	60	32														000													0		32	10.0	*
VILAS	WHITE SAND L	728	84	46																8			38						***		41	6	0	1.3	35.4
VILAS	WILD RICE L	379	127	69												34							00								3-		35	2.9	11.7
VILAS	WILDCAT L	305	39	21												04								**	21						2		0	1.3	16.2
Number of		88	55	21	10	11	12	13	13	11	12	11	11	13	11	10	11	12	13	10	13	8	7	8	8	6	6	6	6	7	7		U	1.5	10.2
Area in acr		81,216			10		12	13	13		12			13	- ' '	10		12	13	10	13	0		0	- 0	-	-	-	-	+ '					
		01,210	30,266	13.536	28	109	175	403	300	484	782	200	749	763	1772	1001	1007	1113	615	261	390	4	59	0	30	0	0	19	5	0	8 1	0.277	3.259		
Number of			30,200	13,330	21	14	22	35	300	30	29	11	45	48	59	51	44	60	38	13	17	6	8	0	8	0	0	8	5	0	+ -	0,277 05	5,258	 	
	spearer-nights:				10	6	22 8	12	12	12	11	4	18	17	29	21	20	24	16	5	8	2	3	0	3	0	0	3	2	0		48		 	
	interviews with effort:		 		10	_	<u>8</u> 0		0	12			18	0			0		16	_	0	0	0	_	0	_	Ŭ		0	0	0 0	+0		\vdash	1
	interviews without effort:				Ŭ	0		0	_	Ŭ	0	0	1 -	_	0	0	_	0		0	_			0	_	0	0	0	Ť	Ť				400 -	
	boat-hours:				15.1	8.1	19.2	30.0	23.0	26.4	29.1	8.3	30.9	38.0		44.2	36.7	42.6		9.5			2.4	0.0	6.3	0.0	0.0	7.6	4.6	_	5.2			488.8	l
Catch-per-	effort:		1	l	1.9	13.5	9.1	13.4	13.0	18.3	26.9	24.1	24.2	20.1	34.5	22.6	27.4	26.1	23.5	27.5	18.6	1.3	24.6	0.0	4.8	0.0	0.0	2.5	1.1	0.0	1.5		1	1	21.0

^{*} Lakes not speared during spring 2002.

** Lakes open for spearing but no effort.

*** Lakes opened for muskellunge harvest only.

	Sokaogon (Mole Lake)		Walleye	2002	l																									T	
		Area	Safe	Tribal	April		1							,				May						1				Total	Quota	Boat-	
County	Lake	(acres)	Harvest	Quota	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	Harvest	Balance	Hour	CPE
FLORENCE	EMILY L	191	26	22																								0	22		*
FLORENCE	FAY L	247	33	28																	**							0	28		*
FLORENCE	HALSEY L	512	62	52																	1							1	51	2.0	0.5
FLORENCE	KEYES L	202	37	28																								0	28		*
FLORENCE	PATTEN L	255	68	52																								0	52		*
FLORENCE	PINE R FL	127	56	47																								0	47		*
FOREST	ARBUTUS L	161	23	19																								0	19		*
FOREST	BIRCH L	468	194	164																								0	164		*
FOREST	BUTTERNUT L	1292	336	258												214	**						9	17	4			244	14	15.8	15.4
FOREST	CRANE L	337	43	36																								0	36		*
FOREST	FRANKLIN L	892	357	303												30	25			14						**	**	69	234	16.3	4.2
FOREST	GROUND HEMLOCK L	88	13	11																								0	11		*
FOREST	HOWELL L	177	9	7																								0	7		*
FOREST	JUNGLE L	182	79	47		30			**																			30	17	2.3	13.0
FOREST	KING L	33	15	12																								0	12		*
FOREST	L LUCERNE	1026	234	180							10	11	34	0	107													162	18	20.9	7.8
FOREST	L METONGA	1991	431	331								38	81	**	88	116												323	8	32.5	9.9
FOREST	LILY L	211	91	77					64																			64	13	5.2	12.3
FOREST	MOLE L	73	5	4	**	**																						0	4		*
FOREST	PINE L	1670	170	144													39	1										40	104	10.5	3.8
FOREST	RANGE LINE L	82	12	10																								0	10		*
FOREST	ROBERTS L	414	173	147					113	30																		143	4	14.1	10.1
FOREST	STEVENS L	297	39	33												**		28										28	5	5.6	5.0
FOREST	TRUMP L	172	24	20																								0	20		*
LANGLADE	BIG TWIN L	60	9	7																								0	7		*
LANGLADE	ENTERPRISE L	502	245	188		106	81																					187	1	18.4	10.2
LANGLADE	JESSIE L	35	6	5	**																							0	5		*
LANGLADE	LAWRENCE L	50	8	6	**																							0	6		*
LANGLADE	MOCCASIN L	110	16	13	**	**																						0	13		*
LANGLADE	MUELLER L	88	13	11	**																							0	11		*
LANGLADE	OTTER L	90	14	11																								0	11		*
LANGLADE	PICKEREL L	1299	30	25		**																						0	25		
LANGLADE	ROLLING STONE L	672	78	66		2	4				**																	6	60	4.4	1.4
LANGLADE	ROSE L	112	16	13	**																							0	13		*
LANGLADE	SAWYER L	149	21	12	12																							12	0	0.6	20.0
LANGLADE	SUMMIT L	282	12	10	-																							0	10		*
LANGLADE	UPPER POST L	757	87	73				0	**	23		**														1		24	49	4.5	5.3
LANGLADE	WHITE L	166	23	19																								0	19	1	*
LINCOLN	ALEXANDER L	677	21	17																								0	17		*
LINCOLN	DEER L	152	11	8																								0	8		
LINCOLN	JERSEY CITY FL	433	180	152																								0	152		
LINCOLN	L ALICE	1369	144	122																								0	122		
LINCOLN	SPIRIT R FL	1663	643	546																								0	546		
MARINETTE	CALDRON FALLS RESERVOIR	1018	27	22																								0	22		
MARINETTE	HIGH FALLS RESERVOIR	1498	583	495																								0	495		
MARINETTE	HILBERT L	247	33	28																								0	28		
										**																		_			
OCONTO	ARCHIBALD L	430	53	45						**																		0	45		

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2002. 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.

	Sokaogon (Mole Lake)		Walleye	2002																										T	
		Area	Safe	Tribal	April				ı		1							May					1		1			Total	Quota	Boat-	
County	Lake	(acres)	Harvest	Quota	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	Harvest	Balance	Hour	CPE
OCONTO	BASS L	149	65	55						**																		0	55		*
OCONTO	BOOT L	235	101	85						65																		65	20	8.6	7.6
OCONTO	MAIDEN L	290	38	32						**																		0	32		*
OCONTO	TOWNSEND FL	476	17	14																								0	14		*
OCONTO	WHEELER L	293	124	105					**	15	**																	15	90	2.1	7.1
ONEIDA	BIG FORK L	690	280	237									**					213										213	24	5.9	36.1
ONEIDA	BIG L	865	347	294				**			**						**											0	294		*
ONEIDA	BIG STONE L	548	225	191									**															0	191		*
ONEIDA	COLUMBUS L	670	272	231																								0	231		*
ONEIDA	CRESCENT L	612	273	210			2	**						**	**		142	59										203	7	12.2	16.6
ONEIDA	EMMA L	223	30	25																								0	25		*
ONEIDA	FOURMILE L	218	94	79																								0	79		*
ONEIDA	FOURTH L	258	110	93																								0	93		*
ONEIDA	HAT RAPIDS FL	650	265	225																								0	225		*
ONEIDA	INDIAN L	397	166	141																								0	141		*
ONEIDA	L JULIA (RHINELANDER)	238	102	86																								0	86		*
ONEIDA	LAUREL L	232	99	84									**					6										6	78	1.6	3.8
ONEIDA	LONG L	620	253	215														_	**		**		51	**				51	164	3.3	15.5
ONEIDA	LOWER NINEMILE L	646	76	64																								0	64		*
ONEIDA	MOEN L	460	191	81																								0	81		*
ONEIDA	PELICAN L	3585	1239	743			211	**	250	178	0	13	90															742	1	51.7	14.4
ONEIDA	PLANTING GROUND L	1012	403	241															**		180		30	5				215	26	8.4	25.6
ONEIDA	RHINELANDER FL	1326	520	441																								0	441		*
ONEIDA	SEVENMILE L	503	208	176								8	50	**	60	52												170	6	17.1	9.9
ONEIDA	SPIRIT L	368	154	146																								0	146		*
ONEIDA	SQUASH L	392	164	139			**	**																				0	139		*
ONEIDA	THUNDER L	172	75	63																								0	63		*
ONEIDA	THUNDER L	1768	178	151																								0	151		*
ONEIDA	VIRGIN L	276	117	111																								0	111		*
ONEIDA	WHITEFISH L	205	10	8																								0	8		*
VILAS	BIG SAND L	1408	147	124															**			21	**		**	**		21	103	3.6	5.8
VILAS	CATFISH L	1012	378	291												**	120	**		**				**	**			120	171	3.9	30.8
VILAS	CRANBERRY L	956	790	608												**	**	**		**				**	**			0	608		*
VILAS	LAC VIEUX DESERT	4300	812	487															89	285	**	60	**			**		434	53	12.6	34.4
VILAS	LONG L	872	815	627															92	329	111	8	**			**	**	540	87	29.7	18.2
VILAS	TWIN L CHAIN	3430	1308	1111										**	38				66	**		**		**	21	**	**	125	986	10.7	11.7
Number of lake	•	83			7	6	5	5	6	8	5	5	7	5	5	7	7	7	6	6	6	4	6	6	5	6	3				
Area in acres:	<u>v.</u>	53,314																	Ū			·									
Number of walle	eve.	20,01	15,249	11,940	12	138	298	0	427	311	10	70	255	0	293	412	326	307	247	628	292	89	90	22	25	1	0	4,253	7,687		
Number of spea			2,2.0	,5.0	1	9	21	1	22	21	5	15	21	1	17	22	22	18	17	26	11	6	5	3	5	2	0	271	.,	1	1
	views with effort:		1		1	5	9	1	10	9	3	7	10	1	8	12	11	10	5	12	6	3	3	2	2	1	0	131			
	views 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		1	1
Number of boat			1		0.6	14.9	28.6	1.0		30.1	5.0	16.1	27.8	0.8		25.0	26.9		11.4		11.3	7.1	7.3	3.6	1.8	1.2	0.0			324.5	
Catch-per-effor			1		20.0		10.4	0.0		10.3	2.0	4.3		0.0	12.5		12.1				25.8			6.1		0.8	0.0		1	324.0	13.1
atcri-per-effor	t.	l	L	1	20.0	9.3	10.4	0.0	14.3	10.3	2.0	4.3	9.2	0.0	12.5	16.5	12.1	17.5	21.7	18.9	۷5.8	12.5	12.3	6.1	13.9	ს.გ	0.0	l			13.1

^{*} Lakes not speared during spring 2002.
** Lakes open for spearing but no effort.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2002. 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.

	Red Cliff		Walleye	2002																					
		Area	Safe	Tribal	April											•	•	May				Total	Quota	Boat-	
County	Lake	(acres)	Harvest	Quota	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	3 4	Harvest	Balance	Hour	CPE
BAYFIELD	DIAMOND L	341	44	37													37					37	0	2.5	14.8
BAYFIELD	L OWEN	1323	301	90				**									90					90	0	4.0	22.5
BAYFIELD	MIDDLE EAU CLAIRE L	902	361	216						202			14									216	0	16.0	13.5
BAYFIELD	NAMEKAGON L	3227	1493	447						91		52	203	48	**			16	**	36		446	1	35.3	12.7
BAYFIELD	PIKE L CHAIN	714	523	402			183	85	109						25							402	0	40.9	9.8
BAYFIELD	UPPER EAU CLAIRE L	1030	409	347										**	120	163	64					347	0	14.3	24.3
DOUGLAS	L NEBAGAMON	914	366	311			**				**		62			**	**	**	**	**	**	62	249	7.5	8.3
DOUGLAS	LOWER EAU CLAIRE L	802	468	360								298	62									360	0	21.1	17.1
DOUGLAS	UPPER ST CROIX L	855	343	291		**	77				**		**	**	**	**		96	**	43	13	229	62	32.3	7.1
SAWYER	NELSON L	2503	945	402	0	57		**	198	48	**	**						**	**	**	**	303	99	29.1	10.4
Number of la	kes:	10			1	2	3	3	2	3	3	3	5	3	4	3	4	4	4	4	3				
Area in acres	S:	12,621																							
Number of wa	alleye:		5,253	2,903	0	57	260	85	307	341	0	350	341	48	145	163	191	112	0	79	13	2,492	411		
Number of sp	pearer-nights:				2	7	21	4	16	22	0	18	18	2	8	8	12	6	0	6	2	152			
Number of in	terviews with effort:				1	3	9	2	8	9	0	9	8	1	4	4	6	3	0	2	1	70			
Number of in	terviews without effort:				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Number of bo	pat-hours:				1.5	11.5	36.6	5.8	26.7	31.8	0.0	18.6	23.0	4.0	4.5	7.5	10.3	10.5	0.0	6.5	4.3			203.0	
Catch-per-eff	ort:				0.0	5.0	7.1	14.8	11.5	10.7	0.0	18.8	14.9	12.0	32.2	21.7	18.5	10.7	0.0	12.2	3.0				12.3

^{*} Lakes not speared during spring 2002.** Lakes open for spearing but no effort.

Appendix B. Number of walleye harvested nightly on lakes selected by six Wisconsin Chippewa bands during spring 2002. 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.

	St. Croix		Walleye	2002																																		\top	T
		Area	Safe	Tribal	April														May																1	Total	Quota	Boat-	
County	Lake	(acres)	Harvest	Quota	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	21	22 H	Harvest	Balance	Hour	CPE
BARRON	BEAR L	1358	174	133			**				**	**					**	133																	1	133	0	9.1	14.6
	BEAVER DAM L	1112	120	101				12	**	49	16	5						133																		82	19	24.2	3.4
	BIG MOON L		26	22			**	12		43	10	3																								02	22	24.2	*
	GRANITE L		22	18																																0	18		*
BARRON	HORSESHOE L	115	51	43															3	5																0	35	3.9	2.1
BARRON	LOWER DEVILS L		71	60															**																	0	60	3.9	z.1
BARRON		276	117	99				12			**	14	**	**	**	**			0 53																2	0 79	20	15.5	5.1
	PRAIRIE L	1534	334	257				12				14							0 50	'															,	0	257	15.5	*
	RED CEDAR L		437	336				36	**	**	6	**	**	40	**	47			79	**			**													208	128	19.1	10.9
	SAND L	1841 322	437	34				30			٥			40		47	0	**	** **	'			**	**	**		1	**		**					2	200	33	6.8	0.1
				120							0	**	4	**	**	**	U		** **				**				'									4	116		1.0
		337 438	142 54	45			24	**			U		4							0															4	91	14	4.0	14.8
				107			31																45	***	***		***	***		***	***	***		***	1	31	0	2.1	
	BIG MCKENZIE L	1185	127			22	92		**	**													15			1								ľ		107	25	11.8	9.1
	DEVILS L LIPSETT L	1001 393	66 49	50 41		23		2																											2	25	25 41	8.0	3.1
BURNETT BURNETT		348	146	124					**	3	3	**	**	8	**	1								**												45	109	10.1	
			41	34						3	3			٥		'																			,	15	34	10.1	1.5
BURNETT		322		-		40			**	40																									-	50	34	0.7	
		962	73	56		10				40	**	**		**		**								**											1	50	6	9.7	5.2
BURNETT		2287	222	188 172	40		**	00		111			2																							113	75	21.7	5.2
		2054	203		19	55		22			70																								1	166	57	20.1	8.3
	BEAR L	155	68	57													**	**	**																	0	1		
		378	48	40																			**													0	40		
	BIG ROUND L	1015	111	94	23	2	3	**									9	8	9 **	1																55	39	53.3	1.0
	HALF MOON L	579	88	67	14	33																													4	47	20	7.8	6.1
		776	313	266	**	**	**																												C	0	266		
		224	30	25			**																													0	25		
		270	115	97	80	0																														80	17	11.5	7.0
	WAPOGASSET L	1186	127	107	95																														g	95	12	3.9	24.4
	CEDAR L	1100	436	370																															C	0	370		
		295	125	106					1	37	**	**	**	68																						106	0	10.4	10.2
	BASS-PATTERSON L	188	106	81													50	17																	6	67	14	6.1	11.1
		203	28	23																															C	0	23		
	L NANCY	772	88	74									73											**	**	1	**				**	**				73	1	6.8	10.8
WASHBURN		3290	608	234					46	14	**	75	0	**	**	99																			2	234	0	37.7	6.2
		263	35	29																										١						0	29	1.	*
		530	218	185			23	0	**	**							0	**	2					**	**		38	**		**	6	1		**		70	115	41.9	1.7
WASHBURN		2580	973	826	1						-			52	**	16		61	0 1	**	+	+	**	-	1	1		**		16	**	5		1		152	674	50.1	3.0
Number of lake		37			6	7	8	8	9	9	10	9	8	8	7	7	6	7	7 8	7	0	0	6	6	4	0	4	4	0	4	4	4	0	3	3		1	+	+
Area in acres:		28,838			1						-								_	+-	+	+	-	-	1	1				<u> </u>	1						 	+	+
Number of wall	•		6,033	4,721	231	123	149		47			94		168	0				11 13						0	0	39	0	0	16		6		1 (2,001	2,720	+	+
Number of spea					23	26	34			32	17	12	13	21	0	27	13	-	13 19					0	0	0	7	0	0	9	7	2		3		362	1	+	+
	rviews with effort:				9	11	16	11		14	7	8	9	10	0	11	4		7 7				1	0	0	0	3	0	0	3	3	2	0	1	1 1	163	1	+	-
	rviews 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 (0 0	0	1	+	+
Number of boat						36.3		27.4											7.2 15.				2.5						0.0						2.6			395.3	
Catch-per-effor	t:				7.6	3.4	4.3	3.1	2.3	5.7	5.7	5.5	5.0	8.0	0.0	9.8	3.9	8.8	1.5 8.	7 1.3	0.0	0.0	6.0	0.0	0.0	0.0	3.3	0.0	0.0	1.2	0.7	0.8	0.0	0.7	0.0		1	1	5.1

^{*} Lakes not speared during spring 2002.

** 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 2002.

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	Tribal	April														May				
	(acres)	Harvest	Quota	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5
Number of lakes:	283			7	17	24	34	31	34	42	33	32	41	31	30	35	36	33	34	36	28	17
Area in acres:	248,520																					
Number of walleye:		76,602	48,628	231	197	762	1,115	270	1,710	1,571	404	1,148	2,301	311	1,647	2,053	3,382	1,832	1,664	2,560	1,008	350
Number of spearer-nights:				23	41	77	110	39	121	120	47	93	125	20	105	126	167	111	93	130	53	19
Number of interviews with effort:				9	19	39	52	18	56	51	23	44	57	8	46	52	80	53	38	60	25	8
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:				30.3	54.9	97.5	136.8	39.7	164.1	146.0	45.1	93.6	147.5	17.2	88.0	116.9	161.1	107.0	73.3	116.9	44.7	16.6
Catch-per-effort:				7.6	3.6	7.8	8.2	6.8	10.4	10.8	9.0	12.3	15.6	18.1	18.7	17.6	21.0	17.1	22.7	21.9	22.6	21.1

1																				1 1
Six Tribal Bands Combined:																				
(continued)	Area	Safe	Tribal	May														Quota	Boat-	
	(acres)	Harvest	Quota	6	7	. 8	9	10	11	12	13	14	15	16	21	22	Total	Balance	Hour	CPE
Number of lakes:	283			28	24	19	17	18	11	6	10	10	11	7	3	3	742			
Area in acres:	248,520																			
Number of walleye:		76,602	48,628	703	52	84	1	69	57	0	35	11	6	8	1	0	25,543	23,085		
Number of spearer-nights:				38	12	13	2	15	3	0	17	11	2	3	3	2	1741			
Number of interviews with effort:				19	5	5	1	6	2	0	6	5	2	2	1	1	793			
Number of interviews without effort:				0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Number of boat-hours:				41.9	10.3	4.2	1.2	18.1	3.6	0.0	20.7	12.9	7.4	5.2	1.5	2.6			1,825.1	
Catch-per-effort:				16.8	5.0	20.0	0.8	3.8	15.8	0.0	1.7	0.9	0.8	1.5	0.7	0.0				14.0

Appendix C. Total number of walleye harvested and measured per inch group and sexed during spring in 2002. Data arranged alphabetically by tribe, county, and lake.

	Bad River	_								INC	CH GF	ROUF)																	
County	Lake	Area	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
BAYFIELD	L OWEN	1323			1	4	9	25	22	14	5	5		2	1	1			1				90	90	1494.1	16.6	83	7		90
BAYFIELD	NAMEKAGON L	3227	2	46	98	109	59	30	19	18	10	4	2	3				1					401	401	5567.5	13.9	366	26	6	398
CHIPPEWA	L WISSOTA	6300		1	5	33	11	11	10	4				1									76	76	1100.5	14.5	73	3		76
CHIPPEWA	LONG L	1052	2	40	51	50	49	45	23	11	6			1	1		1						280	340	3936.8	14.1	268	6	6	280
DOUGLAS	WHITEFISH L	832			1			3	23	20	9	1	1		1								59	59	1012.5	17.2	54	2	3	59
IRON	TRUDE L	781	2	12	25	40	21	8	5	3	1												117	117	1584.9	13.5	110	1	6	117
IRON	TURTLE-FLAMBEAU FL	13545	2	5	16	16	12	16	20	17	8		1										113	213	1706.7	15.1	111	2		113
PRICE	ROUND L	726	4	32	28	19	3		1					1									88	88	1093.5	12.4	85	1	2	88
RUSK	CHAIN L	468			5	4	4	5	18	12	9	2	1										60	60	984.6	16.4	52	2	6	60
RUSK	ISLAND L	526		7	7	3	1	3	9	12	13	3	2	1									61	61	986.2	16.2	57	2	2	61
SAWYER	CONNORS L	429	1		2	2	7	5	1		1	1			1		1						22	22	340.6	15.5	12	2	8	22
SAWYER	NELSON L	2503					5	9	11	4	3	3	4										39	39	656.8	16.8	33		6	39
SAWYER	TEAL L	1049	14	52	61	103	88	71	50	25	7	1	3		2			1		1			479	479	6805.9	14.2	458	15	5	478
VILAS	BLACK OAK L	584				2	3	7	4	2	2	2		2	1					1			26	26	447.7	17.2	24	2		26
VILAS	CRAB L	949	3	29	32	37	25	17	12	6	1		1										163	163	2222.0	13.6	149	8	5	162
VILAS	FOREST L	466			6	9	21	27	28	16	5	1		1									114	114	1787.0	15.7	106	2	5	113
VILAS	HARRIS L	507		8	44	42	15	8	2	1		2			1	1	1						125	125	1711.9	13.7	117	8		125
VILAS	HIGH L	734	1	1	18	27	40	36	16	14	7	4	3		3	1	1	4				1	177	177	2757.3	15.6	163	11	3	177
VILAS	PRESQUE ISLE L CHAIN	1571		3	28	51	41	23	6	13	3	4	1		4	2	1	1	1	1		1	184	377	2771.7	15.1	166	13	5	184
VILAS	S TURTLE L	454	7	1	6	1	4	1	1	1	3	2	1				1						29	29	421.1	14.5	16	6	7	29
VILAS	TENDERFOOT L	437			3	10	12	22	18	10	9	4	3	1			1	2					95	95	1554.7	16.4	92	3		95
	Sub-total:	38463	38	237	437	562	430	372	299	203	102	39	23	13	15	5	7	9	2	3	0	2	2,798	3,151	40,944.0	14.6	2,595	122	75	2,792

Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2002. Data arranged alphabetically by tribe, county, and lake.

Lac Cour	te Oreilles			INCH GROUP																										
County	Lake	Area	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
SAWYER	GRINDSTONE L	3111					6	10	26	18	27	13	5		4		1	2		1			113	113	1907.6	16.9	107	5	1	113
SAWYER	L CHETAC	1920			1	9	54	119	143	149	65	45	24	4	6	1	6						626	626	10029.1	16.0	603	11	12	626
SAWYER	L CHIPPEWA	15300		1	24	104	233	280	125	62	45	21	11	4	8	4	5	8	3	1		1	940	940	13891.8	14.8	855	58	27	940
SAWYER	LAC COURTE OREILLES	5039				6	11	24	57	23	13	29	32	9	6	3	1		1		1	1	217	217	3703.4	17.1	181	15	21	217
SAWYER	ROUND L	3054		1	11	60	130	145	216	183	113	48	27	16	6	5	2	1	2	1			967	967	15181.9	15.7	820	108	39	967
SAWYER	SISSABAGAMA L	719			15	38	34	32	19	14	6	12	4	5	2	3	1		1	1			187	187	2778.1	14.9	142	30	15	187
SAWYER	SPIDER L	1454					1	1	11	9	18	4	8	1	2		1						56	56	979.0	17.5	45	3	8	56
SAWYER	WHITEFISH L	786							1		1		1										3	3	51.6	17.2	1		2	3
SAWYER	WINDFALL L	102	1	2	1	6	3	3	2		7	1											26	26	373.0	14.3	25		1	26
WASHBURN	LONG L	3290				2	15	63	43	21	44	31	8	3	2		1			1			234	234	3800.1	16.2	230	4		234
	Sub-total:	34775	1	4	52	225	487	677	643	479	339	204	120	42	36	16	18	11	7	5	1	2	3,369	3,369	52,695.6	15.6	3,009	234	126	3,369

Lac du	Flambeau						,					INCH	I GRO	UP									,									_
County	Lake	Area	8	9 1	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total Meas.	Total Harv.	Total Inches	Mean Length	Male	Female	Unk.	Tota Sexe
RON	GILE FL	3,384			4	29	95	85	61	75	34	15	2	2											402	602	5623.7	14.0	374	5	23	402
RON	TURTLE-FLAMBEAU FL	13,545		1	4	47	119	101	105	120	93	40	3		1	1	2								637	1519	9146.8	14.3	574	5	58	637
NCOLN	L MOHAWKSIN	1,910				1	1	2	4																8	8	108.0	13.5	4	1	3	8
INCOLN	RICE R FL CHAIN	3,764			1	19	65	71	90	114	99	52	19	12	5	6	2	2	2					1	560	721	8542.5	15.3	483	47	30	560
NEIDA	BEARSKIN L	400				2	7	24	17	29	22	11	8	3		4	2								129	129	2015.6	15.6	113	14	2	129
NEIDA	BUCKSKIN L	634						1	9	33	26	14	8	7			1								99	99	1631.8	16.5	95	4		99
NEIDA	CARROL L	335						2	6	5	4	2	2	2								1	1		25	25	421.7	16.9	20	2	3	25
NEIDA	CLEAR L	846				1	3	7	24	30	20	17	12	13		1	2		1	1					132	132	2162.5	16.4	92	3	37	133
NEIDA	DAM L	744				2	26	40	32	30	17	3	2	1	3		2	1	1	1	1				162	162	2400.6	14.8	137	23	2	163
NEIDA	GEORGE L	435			7	20	26	28	10	3	3														97	97	1240.7	12.8	84	11	2	97
NEIDA	HASBROOK L	302		1	1	4	10	10	17	4	3	1		1	1	1	1								55	55	786.6	14.3	47	3	5	55
NEIDA	ISLAND L	295			3	9	16	4	5	7															44	44	569.4	12.9	42		2	44
NEIDA	KATHERINE L	590			14	35	52	25	30	14	2	3	1		1	1	2		1	2		1			184	184	2464.7	13.4	156	9	19	18
NEIDA	KAWAGUESAGA L	670					4	10	39	24	11	9	4	1	1	1	2	2	2						110	110	1725.9	15.7	87	5	18	11
NEIDA	LITTLE FORK L	354			5	22	22	19	8	2	1	1	1												81	81	1034.3	12.8	75	6		8
NEIDA	MANSON L	236			1	3	8	1	1	3	4	3	2	2	3	1		1						1	34	34	547.2	16.1	9	1	24	34
NEIDA	MEDICINE L	372			4	18	26	18	1	8	5	1	_	1		2			1					·	85	85	1136.8	13.4	74	11		85
NEIDA	MINOCQUA L	1,360			4	2	6	33	54	80	38	20	5	7	4	1		3	4	1	1	2		3	268	317	4271.3	15.9	233	20	15	26
NEIDA	MUSKELLUNGE L	284			1		6	14	16	7	8	5	3	·	2	·	1	Ŭ	1	1	1	_		Ü	66	66	1021.8	15.5	35	10	21	66
NEIDA	N NOKOMIS L	476				2		5	2	3	5	4	2	1	_		2								26	26	420.3	16.2	17	1	8	26
NEIDA	PICKEREL L	736				1		2	3	3	5	·	_				2		1			1			18	18	307.2	17.1	10	4	4	18
NEIDA	RAINBOW FL	2,035			1	4	24	26	27	47	31	16	11	2	3	1									193	193	2931.8	15.2	170	21	2	193
NEIDA	SAND L	540			•	8	16	18	30	23	14	6		_		3	1								122	122	1792.6	14.7	106	8	8	12:
NEIDA	SQUIRREL L	1,317			2	40	76	75	58	48	24	18	6	7	5	2			2						363	372	5162.1	14.2	321	18	24	36
NEIDA	TOMAHAWK L CHAIN	3,552			-	40	70	16	66	27	18	11	7	9	1	2	2	2	3	2	1	3			170	213	2762.3	16.2	149	9	12	170
NEIDA	TWO SISTERS L	719					2	15	29	35	23	19		7	5	2	_	3	2	_	4	1	1		160	160	2664.9	16.7	140	9	11	160
NEIDA	WILLOW FL	5,135			1	3	2	10	12	11	15	18		2	1	-	1	Ŭ	-						86	86	1366.6	15.9	78	5	3	86
RICE	BUTTERNUT L	1,006			6	40	64	56	19	15	8	2	2	1	1		•	1	1	1					217	217	2881.5	13.3	197	10	10	217
RICE	PIKE L	806				17	6	6	8	2	o	_		'	'			•	'	'					41	41	516.3	12.6	33	2	6	41
RICE	ROUND L	726			4	7	27	14	10	5	2	1					1	1			1				73	73	979.9	13.4	65	2	6	73
RICE	SOLBERG L	859			7	′	1	2	2	1	1	'					•	•			'				7	7	100.2	14.3	7	2	0	7
RICE	TURNER L	149			1		3	2	2	'															8	8	114.5	14.3	6	1	1	8
ILAS	ANVIL L	380			'		3		4	10	38	19	16	3			'								87	87	1476.8	17.0	74	13	'	87
ILAS ILAS	BALLARD L					7	10	20	٥٥			11		9	1	2	2	4	1	2							3925.3				72	
ILAS	BIG ARBOR VITAE L	505 1,090				1		28 18	80 44	73 47	18 29	9	5 3	6	1	3 1	2	4	1	ى 1	4				255	255 390	3925.3 2582.5	15.4 15.5	172 152	11 15	72 1	25
	BIG L (BOULDER JCT)	835				0	6 26	33			29	9	3	Ö	'					'	'	4			167 120	120	2582.5 1673.4	13.9	72	9	1 39	16 12
	BIG L (BOOLDER JCT)	771			1	4		30	29 31	13 12	7	4	3	1								'				109				Э	39	
ILAS	BIG L (MI BORDER) BIG MUSKELLUNGE L				1		21					12			2		2	2	,		2				109		1512.2	13.9	109	1.4	27	10
ILAS		930			1	2	13	14	18	32	18	12		5	2		2	2	4		3				130	203	2084.5	16.0	79 121	14	37	13
'ILAS	BIG PORTAGE L	638				5	19	25	32	41	17	2		^	_			1		4	_	_			142	142	2058.5	14.5	121	2	19	14
'ILAS	BIG ST GERMAIN L	1,617				8	30	62	52	31	19	13		9			2	5		4	1	2			256	344	3938.6	15.4	204	28	24	25
'ILAS	BIRCH L	528			4	4	11	7	7	2	1	_	2	3	1	2		1							45	45	647.0	14.4	2	11	32	45
LAS	BOULDER L	524		ı	-		5	28	38	23	16	5	3						J				1		118	118	1735.6	14.7	111	4	3	11

Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2002. Data arranged alphabetically by tribe, county, and lake.

Lac du	Flambeau											INCH	GRC	UP																		
County	Lake	Area	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total Meas.	Total Harv.	Total Inches	Mean Length	Male	Female	Unk.	Total Sexed
\/II A C	CLEAR L						2	11	2.4	00	5	11	40		3			1	4			2			405	405	2007.2	16.1	104	7	11	405
VILAS		555					_	14	34	23	16	14	10	5	3			1	1			2			125	125	2007.3	1	-		14	125
VILAS	EAGLE L	572			2	2	24	37	28	17	6	3													119	119	1662.3	14.0	112	1	6	119
VILAS	FISHTRAP L	329				1	3	2	6	1	2	3	1			1									20	20	301.5	15.1	18	2		20
VILAS	ISLAND L	1,023	1			13	31	54	43	29	12	8	2	1	3	2	1					1			201	218	2864.6	14.3	197	4		201
VILAS	JAG L	158					40	40	4.4	40	40	4	•			_					1				1	1	26.5	26.5	00	1		1
VILAS	L LAURA	599				_	12	13	14	18	10	4	6	6	1	2	1				2		1		90	90	1430.4	15.9	20	11	59	90
VILAS	LITTLE ARBOR VITAE L	534				4	20	31	31	24	4	1	1	1	1			1							119	119	1699.8	14.3	102	9	8	119
VILAS	LITTLE ST GERMAIN L	980					4.0	1	5	6	11	11	8	6	3	1	3	1							56	56	984.1	17.6	53	3	١.	56
VILAS	LITTLE STAR L	244				1	12	22	8	6	3	2	3	_											57	57	805.5	14.1	52	4	1	57
VILAS	LYNX L	339				4.0	4	10	7	8	8	6	3	2		1									49	49	759.9	15.5	32	2	15	49
VILAS	MAMIE L	400			2	12	21	22	11	10	3	3		1											85	85	1146.0	13.5	70		15	85
VILAS	MANITOWISH L	506		1	2	6	24	31	27	10	2	4	2	2	1			1				1			114	114	1612.4	14.1	71	16	27	114
VILAS	OXBOW L	511				2	6	8	2	2	1								1						22	22	305.8	13.9	15		7	22
VILAS	PAPOOSE L	428				1	14	19	19	15	7	3	7	4	3	1		2	1	1					97	97	1502.2	15.5	69	8	19	96
VILAS	PLUM L	1,033				3	8	16	43	30	12	12	1	1		1		1							128	158	1925.8	15.0	109	9	10	128
VILAS	RAZORBACK L	362					4	19	12	23	13	7	1	2											81	81	1226.9	15.1	64		17	81
VILAS	REST L	608			2	10	14	18	36	18	19	11	5	1		1			1						136	136	2000.3	14.7	100	8	28	136
VILAS	SNIPE L	239				3	6	6	14	5	5	2	1	1		1	1		2						47	47	716.4	15.2	25	10	12	47
VILAS	SQUAW L	785		2	11	26	40	19	10	7			1	1	2				1	1					121	122	1570.1	13.0	106	8	7	121
VILAS	STAR L	1,206				2	8	27	55	31	14	16	8	3	4			1					1		170	260	2602.3	15.3	141	11	18	170
VILAS	TROUT L	3,816					2	18	14	19	33	30	30	12	8	4	4	5	1	5	4	2	2	1	194	381	3457.9	17.8	111	76	7	194
VILAS	WHITE SAND L	728					2	3	5	14	4	7	4			2	2					1		2	46	46	788.5	17.1	32	8	5	45
VILAS	WILD RICE L	379				3	2	3	4	4	4	5	3	2		1	2			1					34	34	555.2	16.3	6	3	25	34
VILAS	WILDCAT L	305							2	4	4	5	4	1	1										21	21	354.6	16.9	21			21
	Sub-total:	72,973	1	5	91	465	1113	1378	1559	1416	895	526	271	169	77	55	47	42	35	25	21	19	6	8	8,224	10,277	122,792.8	15	6,759	578	886	8,223

Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2002. Data arranged alphabetically by tribe, county, and lake.

Mole Lake	e (Sokoagon)											IN	ICH G	ROU)																	
County	Lake	Area	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	2	28 29	9 30	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
FLORENCE	HALSEY L	512													1										1	1	21.6	21.6	1			1
FOREST	BUTTERNUT L	1292		1	10	26	45	46	36	31	17	17	9	1		2	3								244	244	3693.2	15.1	221	21	2	244
FOREST	FRANKLIN L	892			4	7	5	9	2		2	3	6	4	14	4	4	3		1					68	69	1229.6	18.1	30	35	3	68
FOREST	JUNGLE L	182					2	6	8	8	5	1													30	30	471.8	15.7	27	3		30
FOREST	L LUCERNE	1026				2	3	7	12	31	27	19	26	13	10	4	2	1	1	2	2				162	162	2960.2	18.3	112	37	11	160
FOREST	L METONGA	1991				1	13	43	58	66	53	25	25	14	8	6	2	4	3	2					323	323	5521.2	17.1	235	73	15	323
FOREST	LILY L	211				6	20	12	15	3	2	3		1					1					1	64	64	959.5	15.0	49	6	9	64
FOREST	PINE L	1670					5	21	5	2	2		1	3	1										40	40	613.5	15.3	38		2	40
FOREST	ROBERTS L	414		1	1	15	37	35	31	13	2	2		2		1		1	1				1		143	143	2104.5	14.7	133	8	2	143
FOREST	STEVENS L	297						1	5	10	4	4	1		3										28	28	481.3	17.2	27		1	28
LANGLADE	ENTERPRISE L	502		1	5	17	28	44	34	24	12	6	6	4	2		2	1	1						187	187	2862.8	15.3	161	25	1	187
LANGLADE	ROLLING STONE L	672													2	2	2								6	6	134.1	22.4	6			6
LANGLADE	SAWYER L	149						3	6	1	1		1												12	12	190.3	15.9	11	1		12
LANGLADE	UPPER POST L	757								8	9	2	1	2	1	1									24	24	430.4	17.9	21	3		24
OCONTO	BOOT L	235				1	17	21	20	3	1							1	1						65	65	969.8	14.9	60	3	2	65
OCONTO	WHEELER L	293			1	2	3	2	2	1	3	1													15	15	221.6	14.8	14	1		15
ONEIDA	BIG FORK L	690	1	3	22	45	50	44	22	15	6	2			1										211	213	2911.7	13.8	179	10	21	210
ONEIDA	CRESCENT L	612			7	30	53	51	28	19	3	3	1		1	4	1		2						203	203	2952.4	14.5	187	12	4	203
ONEIDA	LAUREL L	232								1		1			1		1	1	1						6	6	129.8	21.6		6		6
ONEIDA	LONG L	620		2	8	11	14	7	1	3	4		1												51	51	691.2	13.6	46		5	51
ONEIDA	PELICAN L	3585		4	17	53	84	138	140	113	72	42	33	10	8	9	5	8	4	2					742	742	11741.8	15.8	582	140	20	742
ONEIDA	PLANTING GROUND L	1012	1	8	37	65	59	21	13	8	2	1													215	215	2797.0	13.0	204		11	215
ONEIDA	SEVENMILE L	503			5	16	39	27	22	23	13	7	8	4	1		1	1	3						170	170	2623.1	15.4	147	21	2	170
VILAS	BIG SAND L	1408				2		5	2	5	1	3	3												21	21	339.8	16.2	18	1	2	21
VILAS	CATFISH L	1012	5	8	37	33	24	4	7	2															120	120	1487.6	12.4	112	1	7	120
VILAS	LAC VIEUX DESERT	4300		2	8		76	99	73	52	45	23	12	3	5	1				1	1				434	434	6636.0	15.3	394	8	32	434
VILAS	LONG L	872				5	4	9	30	138	147	111	45	14	8	7		4	3	3	4		2	5	540	540	9673.9	17.9	468	57	14	539
VILAS	TWIN L CHAIN	3430		2	13	28	31	15	7	6	7	3	3	1	2	1	3				2		1		125	125	1834.2	14.7	107	10	8	125
	Sub-total:	29371	7	32	175	398	612	670	579	586	440	279	182	76	69	42	26	25	21	11	9		4	6	4,250	4,253	66,683.9	15.7	3,590	482	174	4,246

Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2002. Data arranged alphabetically by tribe, county, and lake.

Red	Cliff											INCH	H GRO	UP																	
County	Lake	Area	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
BAYFIELD	DIAMOND L	341							1	3	5	10	3	8		2	1	1	1	1		1		37	37	692.5	18.7	26	11		37
BAYFIELD	L OWEN	1323					1	2	6	16	28	12	9	6	2	1	3	1	2	1				90	90	1552.9	17.3	69	20	1	90
BAYFIELD	MIDDLE EAU CLAIRE L	902				3	8	10	27	29	27	15	8	8	5	1	2	1						144	216	2308.2	16.0	180	35	1	216
BAYFIELD	NAMEKAGON L	3227			10	20	74	90	71	44	46	33	16	5		5	2	1	2	1				420	446	6125.5	14.6	360	37	1	398
BAYFIELD	PIKE L CHAIN	714			1	6	49	91	124	79	21	14	5	3		3	1	1	2	1			1	402	402	5877.0	14.6	379	10	1	390
BAYFIELD	UPPER EAU CLAIRE L	1030					1	14	99	81	68	19	24	20	7	1	4	2	1	2	1	3		347	347	5644.1	16.3	310	24	13	347
DOUGLAS	L NEBAGAMON	914				1	2	4	16	17	7	7	4	1		3								62	62	977.3	15.8	58	4		62
DOUGLAS	LOWER EAU CLAIRE L	802					10	32	64	72	67	36	14	12	3	2	1						1	314	360	4965.9	15.8	257	51	6	314
DOUGLAS	UPPER ST CROIX L	855	1			1		4	25	49	64	60	15	4	4	1			1					229	229	3755.6	16.4	212	17		229
SAWYER	NELSON L	2503				1	1	4	17	54	59	44	25	17	10	7	4	1						244	303	4150.1	17.0	189	49	1	239
	Sub-total:	12611	1	0	11	32	146	251	450	444	392	250	123	84	31	26	18	8	9	6	1	4	2	2,289	2,492	36,049.1	15.7	2,040	258	24	2,322

Appendix C (continued). Total number of walleye harvested and measured per inch group and sexed during spring in 2002. Data arranged alphabetically by tribe, county, and lake.

St. Cro	oix				_							IN	ICH G	ROU	P																		
County	Lake	Area	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	5 27	7 2	28 2	29	30	Total Measured	Total Harvested	Total Inches	Mean Length	Male	Female	Unknown	Total Sexed
BARRON	BEAR L	1358				4	3	9	12	15	34	26	20	1	3	4	1		1							133	133	2340.2	17.6	128	3	2	133
BARRON	BEAVER DAM L	1112						1	9	10	7	10	9	8	4	1	4	1	4	6	5 2	2	5		1	82	82	1674.4	20.4	59	20	3	82
BARRON	HORSESHOE L	115									1	3	3	1												8	8	150.7	18.8	8			8
BARRON	LOWER TURTLE L	276			5	4	3	1	1	4	8	15	14	13	2	3	2	2	2							79	79	1453.6	18.4	65	5	9	79
BARRON	RED CEDAR L	1841	1		2	2	12	39	28	33	45	35	6	2	1					2	2					208	208	3411.7	16.4	195	2	11	208
BARRON	SAND L	322														1										1	1	22.7	22.7			1	1
BARRON	SILVER L	337								1		1		1		1										4	4	77.8	19.5	4			4
BARRON	UPPER TURTLE L	438					2	6	1	3	2	5	4	1	2		1			2	2 1		1			31	31	575.5	18.6	26	5		31
BURNETT	BIG MCKENZIE L	1185					3	5	14	20	25	21	8	5	2	1	1		2							107	107	1880.6	17.6	81	18	8	107
BURNETT	DEVILS L	1001						1	6	10	6	1	1													25	25	408.8	16.4	18	3	4	25
BURNETT	LITTLE YELLOW L	348		1		3				1	1	1	3		1		3		1							15	15	276.2	18.4	2	8	5	15
BURNETT	SAND L	962					1	3	6	1	6	7	11	6	2	3	1	1	2							50	50	939.2	18.8	42	7	1	50
BURNETT	YELLOW L	2287				5	10	26	20	22	13	8	7	1		1										113	113	1798.0	15.9	100	11	2	113
POLK	BALSAM L	2054					2	15	28	18	14	22	31	11	11	6	1	2	1	1	2	2		1		166	166	3029.5	18.2	144	17	5	166
POLK	BIG ROUND L	1015								6	8	10	6	4	2	3	2	3	3	5	5 3	3				55	55	1141.9	20.8	28	10	14	52
POLK	HALF MOON L	579					1	5	6	5	2	6	11	2	1		3	2		1	1		1			47	47	880.1	18.7	35	9	2	46
POLK	PIPE L	270							3	20	33	14	3	3	3		1									80	80	1395.2	17.4	48	8	24	80
POLK	WAPOGASSET L	1186				1	4	18	26	15	15	8	3			2		1	1				1			95	95	1563.8	16.5	88	7		95
WASHBURN	BALSAM L	295					6	9	12	11	18	13	14	8	7	2	3		2	1	ı					106	106	1907.2	18.0	65	40	1	106
WASHBURN	BASS-PATTERSON L	188			5	10	7	5	16	8	10	3			2	1										67	67	1020.2	15.2	62	2	3	67
WASHBURN	L NANCY	772						7	11	26	20	6		1	1			1								73	73	1224.2	16.8	69	2	2	73
WASHBURN	LONG L	3290				6	17	52	49	14	38	20	10	3	5	6	4	3	2	2	2 2	2			1	234	234	3925.7	16.8	205	27	2	234
WASHBURN	MIDDLE MCKENZIE L	530					2			5	13	22	22	3	1			1			1					70	70	1302.5	18.6	61	4	5	70
WASHBURN	SHELL L	2580				6	8	9	25	29	31	22	7	3	6	3		1	1	1						152	152	2593.1	17.1	98	7	47	152
	Sub-total:	24341	1	1	12	41	81	211	273	277	350	279	193	77	56	38	27	18	22	21	12	2	8	1	2	2,001	2,001	34,992.8	17.5	1,631	215	151	1,997

Appendix D. Number of walleye per inch group taken during spring spearing seasons from 1985-2002.

									Number of	walleye in:									18	Percent	
Inch	1985	I 4000	I 4007	I 4000	4000	I 4000	I 4004	1992	1993	I 4004	4005	4000	I 4007	1998	I 4000	I 2000	2004	I 2002	Year Total	of Tatal	Cumulative
Group 5	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	4	Total 0.0%	Percent 0.0%
6		1							3				2	_			2		8	0.0%	0.0%
7							1	1	1	2			2	2			16		25	0.0%	0.0%
8				3	1	4	4	3	4	12	2	6	16	25	5	2	117	2	206	0.1%	0.1%
9 10	<u>2</u> 5	3 49	17 123	10 121	4 60	14 183	36 229	34 243	45 245	63 386	32 219	39 233	79 372	104 505	20 162	33 169	738 1,930	14 177	1,287 5,411	0.4% 1.6%	0.5% 2.0%
10	31	358	558	678	306	649	957	957	905	1,186	1,311	1,026	1,230	1,817	989	961	3,109	973	18,001	5.3%	2.0% 7.3%
12	140	680	1,282	1,688	925	1,513	1,979	2,444	2,101	2,170	2,955	2,532	2,262	3,258	2,861	2,541	3,440	2,360	37,131	10.9%	18.3%
13	265	928	1,892	2,755	1,684	2,370	2,582	3,507	3,636	3,110	4,113	3,879	3,242	3,951	4,598	4,213	3,560	3,371	53,656	15.8%	34.1%
14	286	1,068	2,133	3,289	2,222	2,917	2,777	3,252	4,032	3,666	4,360	4,305	3,570	3,890	4,548	5,190	2,794	3,997	58,296	17.2%	51.2%
15	293	985	1,895	2,951	2,154	2,856	2,543	2,375	3,111	3,368	3,768	3,867	3,390	3,281	3,364	4,759	1,970	3,727	50,657	14.9%	66.2%
16 17	247 172	939 801	1,666 1,374	2,311 1,658	1,919 1,390	2,295 1,862	2,031 1,687	1,696 1,207	1,993 1,323	2,517 1,796	2,703 1,756	2,605 1,664	2,548 1,580	2,443 1,819	2,286 1,643	3,235 2,294	1,175 753	2,928 2,108	37,537 26,887	11.1% 7.9%	77.2% 85.1%
18	145	458	1,113	1,030	1,010	1,288	1,216	878	812	1,120	1,750	970	1,129	1,013	1,043	1,402	288	1,258	17,640	5.2%	90.3%
19	118	255	811	932	634	932	811	562	589	850	729	617	639	706	599	831	220	787	11,622	3.4%	93.7%
20	33	149	513	596	328	556	590	261	308	383	440	358	378	338	307	376	152	326	6,392	1.9%	95.6%
21	25	72	259	316	210	307	303	199	218	267	238	240	237	260	258	275	108	255	4,047	1.2%	96.8%
22	18	50	148	214	109	202	249	171	148	205	195	156	186	183	193	208	85	176	2,896	0.9%	97.7%
23 24	18 11	23 9	116 86	134 124	76 67	160 100	151 111	129 85	120 101	189 145	164 158	120 111	142 105	134 90	165 93	154 119	63 57	126 105	2,184 1,677	0.6% 0.5%	98.3% 98.8%
25	7	10	76	89	48	107	102	66	80	98	109	97	98	81	87	82	37	90	1,364	0.5%	99.2%
26	9	10	57	75	45	71	86	65	54	91	80	64	85	91	78	61	15	61	1,088	0.3%	99.5%
27	10	3	42	56	31	63	46	42	33	55	57	51	56	53	58	38	7	48	749	0.2%	99.8%
28	5	1	28	32	18	30	39	25	27	30	36	37	32	49	27	24	3	22	465	0.1%	99.9%
29	8		25	30 9	8	15	15	17	12 1	12	16	15	13	22	16	8		17	249	0.1%	100.0%
30 31	11 6		8 2	9	3	5 1	6	6 1	1	5	3 1	6	4	5 1	9	8		3	92 17	0.0% 0.0%	100.0% 100.0%
32	2		_					'			1	'	'	'	1	1			5	0.0%	100.0%
33	1																		1	0.0%	100.0%
34																				0.0%	
35																				0.0%	
36 37																				0.0% 0.0%	
Total No.																				0.076	
Measured:	1,868	6,842	14,224	19,368	13,254	18,500	18,551	18,226	19,903	21,726	24,605	22,999	21,399	24,204	23,371	26,984	20,639	22,931	339,594	100%	100%
Total	1,000	0,012	11,227	10,000	10,204	10,000	10,001	10,220	10,000	_1,,,_0	_1,000	,000	21,000	_1,_0+	20,071	20,004	_0,000	,001	300,004	10070	10070
Length:	30,382	106,051	226,789	306,926	211,645	295,047	291,543	275,331	301,713	335,322	375,476	348,750	327,444	363,297	354,052	415,478	320,102	354,158	5,239,506		
Average	2-,				,	,	2:,270	,	, 0		,		,		,			, . 30		1	
Length:	16.3	15.5	15.9	15.8	16.0	15.9	15.7	15.1	15.2	15.4	15.3	15.2	15.3	15.0	15.1	15.4	15.5	15.4	15.4		
Total No.																				1	
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	22,743	25,543	407,607		
Percent																					
Measured:	68%	99%	67%	75%	83%	73%	81%	86%	81%	84%	81%	81%	89%	89%	90%	89%	91%	90%	83%		

Appendix E. Number of muskellunge harvested nightly on lakes speared by six Wisconsin Chippewa bands during spring spearing 2002.

				2002		April								May												1		T				
				Safe	2002	Apili								iviay												Total	Quo	ta	Number	Total	Average	Number
County	Lake	Area	Tribe	Harvest		19 20	21 22	2 23	24	25 26	3 27	28 2	9 30	1	2	3 4	4 5	6	7 8	9	10 1	11 12	13 1	4 15	16	Harves			Measured	Inches	Length	Per Acre
ASHLAND	BEAR L	204	BRV	6	3																						0	3				
BAYFIELD	NAMEKAGON L	3,227	BRV	40	11						2																2	9	2	76.9	38.5	0.0006
CHIPPEWA	L WISSOTA	6,300	BRV	61	36																						0	36				
CHIPPEWA	LONG L	1,052	BRV	24	14																						0	14				
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	11	6																						0	6				
IRON	L OF THE FALLS	338	BRV	9	5																						0	5				
IRON	LONG L	396	BRV	10	5																						0	5				
IRON	PINE L	312	BRV	8	4																						0	4				
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	99	17																						0	17				
ONEIDA	RAINBOW FL	2,035	BRV	29	7																						0	7				
PRICE	DUROY L	379	BRV	9	5																						0	5				
PRICE	LONG L		BRV																								0	3				
		418		10	2																						-	4				
PRICE	PIKE L	806	BRV	16	4																						0	4				
PRICE	ROUND L	726	BRV	15	3																						0	3				
PRICE	SOLBERG L	859	BRV	16	4																						0	4				
RUSK	CHAIN L	468	BRV	11	6																						0	6				
RUSK	DAIRYLAND RESERVOIR	1,745	BRV	27	16																						0	16				
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	18	10																						0	10				
VILAS	HARRIS L	507	BRV	11	6																						0	6				
VILAS	HIGH L	734	BRV	15	8									1													1	7	1	33.6	33.6	0.0014
VILAS	N TURTLE L	369	BRV	9	5																						0	5				
VILAS	PRESQUE ISLE L (P.I. CHAIN)	1,280	BRV	22	13																						0	13				
VILAS	S TURTLE L	454	BRV	11	6																						0	6				
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:			605	258	0 0	0	0 0	0	0	2 0	0	0 0	1	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0		3 2	255	3	110.5	36.8	
CHIPPEWA	HOLCOMBE FL	3,890	LCO	45	26			1			1 1	1	1			1					1				I	I	0	26				
CHIPPEWA	OLD ABE L	1,072	LCO	19	11																							11				1
CHIPPEWA	ROUND L	216	LCO	6	3																						0	3				
RUSK	AMACOY L	278	LCO	7	4																						0	4				
RUSK	POTATO L	534	LCO	12	7																						0	7				
RUSK	SAND L	262	LCO	7	4																						0	4				
SAWYER	BARBER L	238	LCO	7	4																					I	0	4				
SAWYER	GRINDSTONE L	3,111	LCO	19	11						2															I	2	9	2	66.2	33.1	0.0006
SAWYER	L CHIPPEWA	15,300	LCO	71	42						1																0	42	_	50.2	30.1	3.5500
SAWYER	L OF THE PINES	273	LCO	7	42																					I	0	4				1
SAWYER	LAC COURTE OREILLES	5,039	LCO	35	20																					I	0	20				1
SAWYER	LOST LAND L	1,304	LCO		13																							13				1
				22																												1
SAWYER	LOWER CLAM L	229	LCO	6	3								_														0	3	_	004 =		0.00.
SAWYER	ROUND L	3,054	LCO	38	22								2	2				1										17	5	221.5	44.3	0.0016
SAWYER	SAND L	928	LCO	17	10																							10				1
SAWYER	SISSABAGAMA L	719	LCO	15	8																					I	0	8				1
SAWYER	SPIDER L	1,454	LCO	24	14													1								I		13	1	31.0	31.0	0.0007
SAWYER	TIGER CAT FL	819	LCO	16	9				1			1		1	- 1	- 1				1					1	1	0	9			1	

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				2002		Apr	<u>i</u>					,			М	ay																		
				Safe	2002																_									Quota	Number	Total	Average	Numb
ounty	Lake	Area	Tribe	Harvest		19	20 21	22	23	24 2	5 26	3 27	28	29	30	1 2	3	4	5	6	7 8	9	10	11	12 13	3 14	15	16	Harvest E		Measured	Inches	Length	Per A
AWYER	WHITEFISH L	786	LCO	15	8								-					1											0	8	+			
	Lac Courte Oreilles sub-total:			388	223	0	0	0	0	0	0	2 0	0	0	2	2 0	0	0	0	2	0 0	0	0	0	0 0	0	0	0	8	215	8	318.7	39.8	
RON	GILE FL	3,384	LDF	41	20	ĺ							l					ĺ	1 1					1				I	0	20				Ī
RON	MERCER L	184	LDF	6	3																								0	3				
RON	TURTLE-FLAMBEAU FL	13,545	LDF	99	32												3												3	29	3	122.5	40.8	0.0
INCOLN	L MOHAWKSIN	1,910	LDF	28	14																								0	14				
INCOLN	L NOKOMIS (RICE R FL CHAIN)	2,433	LDF	33	16			2	1																				3	13	3	123.6	41.2	0.0
INCOLN	RICE R FL (RICE R FL CHAIN)	920	LDF	17	8																								0	8				
NEIDA	BEARSKIN L	400	LDF	13	6				3																				3	3	3	119.8	39.9	0.0
NEIDA	BOOTH L	207	LDF	6	3																								0	3				
NEIDA	BRIDGE L (RICE R FL CHAIN)	411	LDF	10	5																								0	5				
NEIDA	BUCKSKIN L	634	LDF	9	4																								0	4				
NEIDA	CARROL L	335	LDF	9	4																							J	0	4				
NEIDA	CLEAR L	846	LDF	12	6											1												J	1	5	1	36.0	36.0	0.0
NEIDA	DAM L	744	LDF	15	7																							J	0	7				
NEIDA	GEORGE L	435	LDF	10	5																							J	0	5				
NEIDA	GILMORE L	301	LDF	8	4																							J	0	4				
NEIDA	HASBROOK L	302	LDF	8	4													1									1 1	1	0	4				
NEIDA	ISLAND L	295	LDF	8	4																								0	4				
NEIDA	JULIA L (THREE LAKES)	401	LDF	10	5																								0	-				
NEIDA	KATHERINE L	590	LDF	13	6																		_						2	3	2	05.5	40.0	0.0
			LDF		7																		3						3	4	2	85.5	42.8	
NEIDA	KAWAGUESAGA L	670		14																			3						-	4	3	105.0	35.0	0.0
NEIDA	L THOMPSON	382	LDF	9	4																								0	4				
NEIDA	LITTLE FORK L	354	LDF	9	4																								0	4				
NEIDA	LITTLE TOMAHAWK L (TOM. CHAIN)	160	LDF	5	2																								0	2				
NEIDA	MANSON L	236	LDF	7	3																								0	3				
NEIDA	MEDICINE L	372	LDF	9	4																								0	4				
NEIDA	MINOCQUA L	1,360	LDF	23	11																								0	11				
NEIDA	MOEN L	460	LDF	11	2																								0	2				
NEIDA	MUSKELLUNGE L	284	LDF	8	4										1														1	3	1	37.0	37.0	0.0
NEIDA	N NOKOMIS L	476	LDF	11	5																								0	5				
NEIDA	PICKEREL L	736	LDF	15	7																								0	7				
NEIDA	RAINBOW FL	2,035	LDF	29	7																								0	7				
NEIDA	SAND L	540	LDF	12	6																								0	6				
NEIDA	SQUIRREL L	1,317	LDF	22	11							1														7			8	3	8	285.5	35.7	0.0
NEIDA	TOMAHAWK L (TOM. CHAIN)	3,392	LDF	41	20									6							1					7			14	6	14	510.4	36.5	0.0
NEIDA	TWO SISTERS L	719	LDF	15	7																							7	7	0	7	290.2	41.5	0.0
NEIDA	WILLOW FL	5,135	LDF	54	27																								0	27				
RICE	AMIK L	224	LDF	6	3																							J	0	3				
RICE	BUTTERNUT L	1,006	LDF	18	9			1										1									1 1	1	1	8	1	36.5	36.5	0.0
RICE	LAC SAULT DORE	561	LDF	12	6																							J	0	6				1
RICE	LONG L	418	LDF	10	2																							J	0	2				1
RICE	MUSSER L	563	LDF	12	6																							J	0	6				
RICE	PIKE L	806	LDF	16	4													1									1 1	1	0	4				1
RICE	ROUND L	726	LDF	15	3																							J	0	3				
RICE	SOLBERG L	859	LDF	16	4																							J	0	4				1
RICE	TURNER L	149	LDF	5	2													1									1 1	1	0	2				1
LAS	ALDER L	274	LDF	7	3																							J	0	3				
LAS	BALLARD L	505	LDF	11	5												1	2	,									J	3	2	3	103.8	34.6	0.0
	BIG ARBOR VITAE L		LDF										3				'	′							6			J	9	2	9			
LAS		1,090		19	9								3												6			J		0	9	316.0	35.1	0.
ILAS	BIG CROOKED L	682	LDF	14	7											1 -		1										J	0	7		70.0	05.	
ILAS	BIG L (MUDORDER)	835	LDF	16	8											2												J	2	6	2	70.8	35.4	0.0
ILAS	BIG L (MI BORDER)	771	LDF	12	6																							J	0	6				_
LAS	BIG MUSKELLUNGE L	930	LDF	17	8								1				3	1										- 1	3	5	3	125.0	41.7	
LAS	BIG ST GERMAIN L	1,617	LDF	25	12	l	1 1	1	- 1		- 1	-	1	I	4		1	1	1	- 1 -	1		1 1		7	-	1 1	- 1	12	0	12	486.3	40.5	0.

						1																			_			1			1
				2002	2002	April			1 1				N	Мау	1					1 1			1 1				Ouete	Nivenhau	Tatal	A	Niverbox
County	Lake	Area	Tribe	Safe Harvest	2002 Declaration	19 20 21	22 2	3 24	25	26 2	7 28	8 29	30	1 2	3	4	5	6 7	8 9	10	11	12 13	14	15 1	Tot 6 Harv		Quota Balance	Number Measured	Total Inches	Average Length	Number Per Acre
VILAS	BIRCH L	528	LDF	12	6	19 20 21	22 2	.5 24	20	20 2	1 20	3 23	3	1 2	3	-	3	0 /	0 3	10		12 13	14	10 1	0 Haiv	3	3	3	106.5	35.5	0.0057
VILAS	BOULDER L	524	LDF	12	6																					0	6		100.0	00.0	0.0007
VILAS	CLEAR L	555	LDF	12	6																					0	6				
VILAS	DEAD PIKE L	297	LDF	8	4																					0	4				
VILAS	EAGLE L	572	LDF	12	6																					0	6				
VILAS	FISHTRAP L	329	LDF	8	4																					0	4				
VILAS	HORSEHEAD L	234	LDF	24	12																					0	12				
VILAS	ISLAND L	1,023	LDF	19	9																					0	9				
VILAS	JAG L	158	LDF	0	0														1							1	-1	1	38.0	38.0	0.0063
VILAS	L LAURA	599	LDF	13	6																					0	6				
VILAS	LITTLE ARBOR VITAE L	534	LDF	12	6																					0	6				
VILAS	LITTLE CROOKED L	153	LDF	5	2																					0	2				
VILAS	LITTLE JOHN L	166	LDF	5	2																					0	2				
VILAS	LITTLE ST GERMAIN L	980	LDF	18	9								3													3	6	3	102.6	34.2	0.0031
VILAS	LITTLE STAR L	244	LDF	7	3																					0	3				
VILAS	LITTLE TROUT L	978	LDF	5	2																					0	2				
VILAS	LOWER BUCKATABON L	352	LDF	9	4																					0	4				
VILAS	LYNX L	339	LDF	9	4											2										2	2	2	72.2	36.1	0.0059
VILAS	MAMIE L	400	LDF	9	4																					0	4				
VILAS	MANITOWISH L	506	LDF	11	5																					0	5				
VILAS	OXBOW L	511	LDF	11	5																					0	5				
VILAS	PAPOOSE L	428	LDF	10	5																					0	5				
VILAS	PLUM L	1,033	LDF	19	9																				4	4	5	4	164.2	41.1	
VILAS VILAS	RAZORBACK L REST L	362 608	LDF LDF	9	4													1								1	3	1	39.0 37.0	39.0	0.0028
VILAS	SNIPE L		LDF	13	6									1												1	5	1	37.0	37.0	0.0016
VILAS	SPIDER L	239 272	LDF	6 7	3 3											' '										0	2	٥			
VILAS	SQUAW L	785	LDF	15	7									1												1	6	1	37.0	37.0	0.0013
VILAS	STAR L	1,206	LDF	21	10									'		1							4			5	5	5	201.0	40.2	0.0013
VILAS	TROUT L	3,816	LDF	44	22										2							15	"			17	5	17	700.2	41.2	
VILAS	UPPER BUCKATABON L	494	LDF	11	5										-											0	5			2	0.0010
VILAS	WHITE SAND L	728	LDF	15	7																		7			7	0	7	287.5	41.1	0.0096
VILAS	WILD RICE L	379	LDF	7	3									2												2	1	2	68.0	34.0	0.0053
VILAS	WILDCAT L	305	LDF	8	4															2						2	2	2	64.3	32.2	0.0066
	Lac du Flambeau sub-total:			1286	577	0 0 0	3	4 (0 0	1	0 ;	3 6	5 11	4 3	9	6	0	1 2	1 0	7	0	0 28	25	0	11	125	452	124	4771.4	38.5	
FOREST	Luxi		 m //					1			1	1	1 1		1	 I I			1 1	1 1		1		 	I		0				l I
FOREST FOREST	LILY L RILEY L	211 213	MLK	6 6	3 3																					0	3				
FOREST	ROBERTS L	414	MLK	10	5																					0	5				
FOREST	WABIKON L	594	MLK	13	7																					0	7				
LANGLADE	DEEP WOOD L	72	MLK	3	1																					0	1				
LANGLADE	ENTERPRISE L	502	MLK	11	6	1																				1	5	1	38.0	38.0	0.0020
LANGLADE	GREATER BASS L	246	MLK	7	4																					0	4				
LANGLADE	MOCCASIN L	110	MLK	4	2																					0	2				
LANGLADE	SUMMIT L	282	MLK	8	4																					0	4				
LINCOLN	ALEXANDER L	677	MLK	14	8																					0	8				
LINCOLN	JERSEY CITY FL	433	MLK	10	5																					0	5				
LINCOLN	L ALICE	1,369	MLK	23	13																					0	13				
LINCOLN	SPIRIT R FL	1,663	MLK	26	15																					0	15				
MARINETTE	CALDRON FALLS RESERVOIR	1,018	MLK	18	10																					0	10				
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	17	10 7																					0	10				
ONEIDA	BIG STONE L	548	MLK	12	7 7																					U					
ONEIDA	CRESCENT L	612	MLK	13	/	1	- 1	- 1	1 1	- 1	1	1	1 1	- 1	1	1 1	- 1	- 1	1 1	1 1	- 1	- 1	1 1	ı	1	U	7	ļ			I I

				2002		April									М	lay											_							
				Safe	2002																								Total	Quota	Number	Total	Average	Number
County	Lake	Area	Tribe	Harvest	Declaration	19 2	0 21	22	23 2	24 2	5 2	6 27	28	29	30	1 2	3	4	5	6	7 8	9	10	11	12 1	3 14	15	16	Harvest	Balance	Measured	Inches	Length	Per Acre
ONEIDA	FOURMILE L	218	MLK	6	3																								0	3				
ONEIDA	FOURTH L	258	MLK	7	4																								0	4				
ONEIDA	INDIAN L	397	MLK	10	5																								0	5				
ONEIDA	LAUREL L	232	MLK	7	4											1													1	3	1	26.8	26.8	0.0043
ONEIDA	LONG L	620	MLK	13	7																								0	7				
ONEIDA	MOEN L	460	MLK	11	3																								0	3				
ONEIDA	PELICAN L	3,585	MLK	43	25		1	6	5	2																			14	11	14	553.0	39.5	0.0039
ONEIDA	PLANTING GROUND L	1,012	MLK	18	10																								0	10				
ONEIDA	RHINELANDER FL	1,326	MLK	22	13																								0	13				
ONEIDA	SEVENMILE L	503	MLK	11	6																								0	6				
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				
ONEIDA	WHITEFISH L	205	MLK	6	3																								0	3				
VILAS	BIG SAND L	1,408	MLK	23	13																								0	13				
VILAS	CATFISH L	1,012	MLK	18	10			1																					0	10				
VILAS	CRANBERRY L	956	MLK	18	10																								0	10				
VILAS	KENTUCK L	957	MLK	18	10]]																					0	10				
VILAS	LAC VIEUX DESERT	4,300	MLK	31	18												1												1	17	1	36.0	36.0	0.0002
VILAS	LONG L	872	MLK	17	10																								0	10				
VILAS	N TWIN L (TWIN L CHAIN)	2,788	MLK	36	21								2			3													5	16	5	186.9	37.4	0.0018
VILAS	S TWIN L (TWIN L CHAIN)	642	MLK	13	7																								0	7				
	Mole Lake sub-total:			581	323	0	2 0	6	5	2	0	0 0	2	0	0	1 3	1	0	0	0	0 0	0	0	0	0 ()	0	0	22	301	22	840.7	38.2	:
DAVELEL D	DUOKEY DAY (DIKE L OLIAIN)	400	RCF	3	1	1 1	1	1 1	1	1	1	1	1	1 1	1	1	1	1	1 1	1	- 1	1	1 1	- 1	- 1	1	1	i	١ ،	ا ا			ĺ	ì
BAYFIELD	BUSKEY BAY (PIKE L CHAIN)	100																											0					
BAYFIELD	HART L (PIKE L CHAIN)	259	RCF	7	4																								0	4				
BAYFIELD	L MILLICENT (PIKE L CHAIN)	183	RCF	5	2																								0	2		40.4	40.4	
BAYFIELD	MIDDLE EAU CLAIRE L	902	RCF	17	10				1																				1	9	1	43.4	43.4	0.0011
BAYFIELD	NAMEKAGON L	3,227	RCF	40	11																								0	11				
BAYFIELD	TWIN BEAR L (PIKE L CHAIN)	172	RCF	5	2																								0	2				
BAYFIELD	UPPER EAU CLAIRE L	1,030	RCF	19	11																								0	11				
DOUGLAS	LOWER EAU CLAIRE L	802	RCF	16	9						1																		1	8	1	47.5	47.5	
	Red Cliff sub-total:			112	50	0	0 0	0	1	0	1	0 0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0 ()	0	0	2	48	2	90.9	45.5	
BARRON	BIG MOON L	191	STC	6	3							1																	0	3			1	
BARRON	SAND L	322	STC	8	4									1									1						2	2	2	77.6	38.8	0.0062
BURNETT	BIG MCKENZIE L	1,185	STC	21	12	2		1													1		2				3 1		9	3	9	344.0	38.2	
BURNETT	LITTLE YELLOW L	348	STC	9	5			1	1				1																2	3	2	85.0	42.5	
BURNETT	TWENTY-SIX L	230	STC	6	3]]								2													2	1	2	84.5	42.3	
BURNETT	YELLOW L	2,287	STC	32	19			1																					1	18	1	31.1	31.1	
POLK	BONE L	1,781	STC	27	16																6 8	3							14	2	14	522.4	37.3	
POLK	DEER L	807	STC	16	9															9									9	0	9	370.0	41.1	
ST CROIX	CEDAR L	1,100	STC	20	11			1																					0	11				
WASHBURN	BASS-PATTERSON L	188	STC	6	3									1															1	2	1	46.0	46.0	0.0053
WASHBURN	L NANCY	772	STC	15	8																								0	8				
WASHBURN	MATTHEWS L	263	STC	7	4			1																					0	4				
WASHBURN	MIDDLE MCKENZIE L	530	STC	12	7			1																			1		4	3	4	172.9	43.2	0.007
WASHBURN		2,580	STC	34	20							2	5		1	3									1	2	1		14	6	14		42.8	
	St. Croix sub-total:			219	124	2	0 0	1	1	0	0	2 0	6	2	1	2 3	0	0	0	9	6 9	0	3	0	0 2	2	7 2	0	58	66	58		40.2	
		Grand To	tal·		1,555	2	2 0	10	11	2	1	7 0	11	8	14	10 9	10	6	0	12	8 1	0 0	10	0	0 3	0 3	2 2	11	218	1,337	217	8,464.8	39.0)
1		UIAIIU 10	cul.		1,000	4	41 U	10	1.11	4	1.1	/ L	1 11	0	1-4	וטו ש	110	U	U	14	UII	U U	10	U	UJ	v j J	- 4	<u>. 11</u>	210	1,00/		0,404.0	აშ.ს	/ L

Inch										Number	of muske	llunge in:							18	Percent
Group	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Year Total	of Total
13						1													1	0.0%
14																			0	0.0%
15											1								1	0.0%
16			1								1								2	0.1%
17				3			1										1		5	0.1%
18								1											1	0.0%
19				1					1		1								3	0.1%
20			2																2	0.1%
21												1							1	0.0%
22						1					1	2	1		1				6	0.2%
23		1					1				1			1		1			5	0.1%
24	١.	1						1			2	1							5	0.1%
25	1		1		1	1			2	1	1			1			2		11	0.3%
26			2	1	2	3	1	1	3	1	1		1	1		1	2	1	19	0.5%
27	_		3	3	2	2	_	1	1	2	1	1	3	_	_	1			20	0.5%
28 29	2 2	2	3 7	1 5	5 3	4 6	5 4	1	3 4	3 2	3 2	1 4	3 9	6 7	2	4	1	1	43 76	1.1% 1.9%
30	8	3	4	6	6	15	6	8 5	6	11	3	7	8	9	4	4	5	3	113	2.9%
31	6	3	14	9	9	24	12	8	9	14	13	12	7	13	9	8	4	9	183	4.7%
32	7	2	15	13	11	18	10	7	11	14	20	4	19	20	13	13	8	3	208	5.3%
33	3	6	12	10	8	25	11	18	12	20	14	12	15	25	13	17	13	9	243	6.2%
34	8	1	16	10	8	20	20	13	21	17	23	26	23	21	27	24	14	11	303	7.7%
35	7	7	12	10	10	26	17	11	10	26	29	23	31	20	20	26	9	17	311	7.9%
36	2	4	12	7	6	20	18	18	22	15	22	27	30	18	36	34	22	13	326	8.3%
37	8	8	17	11	10	29	20	14	15	16	26	36	31	14	27	35	20	18	355	9.1%
38		6	12	9	7	27	11	12	14	16	25	25	25	19	18	35	22	21	304	7.8%
39	2	1	10	10	6	16	7	11	10	17	18	19	30	18	21	28	19	21	264	6.7%
40	1	2	8	6	5	19	16	11	11	11	15	22	20	24	23	21	9	17	241	6.1%
41	1	2	5	9	3	12	4	5	5	10	17	28	19	18	13	15	11	11	188	4.8%
42	1	1	4	6	5	6	3	4	8	11	14	17	10	11	10	14	18	10	153	3.9%
43	2	2	3	6	3	6	5	4	4	7	16	21	14	6	13	9	9	9	139	3.5%
44	2		3	7		5		4	6	4	5	12	7	6	6	13	10	10	100	2.5%
45			4	8	2	1	5	1	1	7	8	2	10	2	4	7	12	10	84	2.1%
46		1	4	3	_	2	2		1	8	5	2	6	4	4	4	6	8	60	1.5%
47	3		2	1	2	3	1	1	1	1	3	8	2	3	2	3	7	3	46	1.2%
48	4	1	4 2	1	1	2	3	2	3	5	4	2	5	2	2	2	4	3	44	1.1%
49 50	1		2	1	1	3	1 1		2	3 1	1 1	3	2	1	2 1	3 4	2	3	31 19	0.8% 0.5%
50	'			1	'	1	'		'	'	'		_	1	1	4	3	3	4	0.5%
52				'		'								'	'	1			1	0.1%
53		1														'			1	0.0%
Total Number		<u> </u>																	<u> </u>	0.070
Measured:	68	55	180	158	117	298	185	162	187	243	297	318	333	271	275	325	233	217	3,922	100%
Total																				
Length:		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	9,063	8,465	145,972	
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	38.9	39.0	37.2	
Total Number]	1		1	1				1		1	1			1]	1		
Speared:		55	196	158	118	303	185	165	188	244	299	319	333	271	275	325	233	218	3,971	
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%	100.0%	99.5%	98.8%	

Appendix G. Number, average length (inches), and harvest per acre of largemouth and smallmouth bass and northern pike for various lakes during spring spearing 2002.

LDF ONEIDA	Tribe	County	Lake	Area	Species	Number Harvested	Number Measured	Total Inches	Average Length	Number Per Acre
Total:	LDF	ONEIDA	TOMAHAWK L CHAIN	3552	BAS	3	3	47.4	15.8	0.0008
STC BARRON BEAVER DAM L 1112 LMB 3 3 51.7 17.2 0.0027		POLK	BIG ROUND L	1015	BAS	11		184.6	16.8	
STC BARRON BEAVER DAML 1112 LMB 3 3 51.7 17.2 0.0027 STC BARRON LOWER TURTLE L 276 LMB 3 3 50.6 16.9 0.0103 STC BURNETT BIOM MCKENZIEL 1185 LMB 2 2 30.9 15.5 0.0062 STC BURNETT BIOM MCKENZIEL 1185 LMB 7 7 107.4 3.0010 10.000 11.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.00	LDF	VILAS	L LAURA	599	BAS	2	2	31.1	15.6	0.0033
STC BARRON LOWER TURTLE 276 LMB 3 3 50.6 16.9 0.0102 STC BURNETT BIG MCKENZIE L 1185 LMB 2 2 30.9 15.5 0.0062 STC BURNETT BIG MCKENZIE L 1185 LMB 7 7 107.4 15.3 0.0059 STC BURNETT SAND L 196 LMB 1 1 14.3 14.3 0.0010 STC POLK BLASAM L 2054 LMB 6 6 96.0 16.0 0.0025 STC POLK BIG ROUND L 11015 LMB 45 43 656.1 15.3 0.0443 STC POLK BONE L 1781 LMB 1 1 16.8 16.8 0.0025 STC POLK HALF MOON L 579 LMB 1 1 152 0.0017 STC POLK HALF MOON L 328 LMB 1 <td></td> <td></td> <td>Total:</td> <td>5166</td> <td></td> <td>16</td> <td>16</td> <td>263.1</td> <td>16.4</td> <td>0.0050</td>			Total:	5166		16	16	263.1	16.4	0.0050
STC BARRON SANDL 322 LMB 2 2 30,9 15,5 0,0002 STC BURNETT BIG MCKENZIE L 118 LMB 7 7 1074 16.4 0,0086 STC BURNETT LITILE YELLOWL 348 LMB 3 3 49.2 16.4 0,0086 STC POLK BALSAM L 2064 LMB 1 1 14.3 14.3 0,0002 STC POLK BALSAM L 2064 LMB 6 6 66.0 16.0 0,0022 STC POLK BONE L 1781 LMB 45 43 656.1 15.3 0,0006 STC POLK BALL MODRE 1781 LMB 1 1 15.2 0,0007 STC POLK HALF MOON L 579 LMB 2 2 2 40.0 0 0 0 0 0 0 0 0 0	STC	BARRON	BEAVER DAM L	1112	LMB	3	3	51.7	17.2	0.0027
STC BURNETT BIG MCKENZIE 1185 LMB 7 7 107.4 15.3 0.0095	STC	BARRON	LOWER TURTLE L	276	LMB	3	3	50.6	16.9	0.0109
STC BURNETT LITTLE YELLOW L 348 LMB 3 3 49.2 16.4 0.0006 STC BURNETT SAND L 962 LMB 1 1 14.3 14.3 0.0010 STC POLK BALSAM L 2054 LMB 6 6 96.0 16.0 0.0029 STC POLK BONE L 1781 LMB 45 43 666.1 15.3 0.0043 STC POLK BER L 807 LMB 2 2 40.0 20.0 0.0025 STC POLK HALFMON L 579 LMB 1 1 15.2 15.2 0.001 0.002 STC POLK WASHBURN LONG L 3290 LMB 3 3 40.2 13.4 0.0026 STC WASHBURN LONG LONG 3239 LMB 2 2 19.4 9.7 0.006 STCWASHBURN MDDLE MCKENZIE L 550<	STC	BARRON	SAND L	322	LMB	2	2	30.9	15.5	0.0062
STC										
STC								_		
STC POLK BIG ROUND L 1015 LMB 45 43 656.1 15.3 0.0443										
STC		-	-				-			
STC POLK DEER L 807 LMB 2 2 40.0 20.0 0.0025										
STC POLK HALF MOON L 579 LMB 1 1 15.2 15.2 0.0017		-	-	_						
STC POLK WAPOGASSET L 1186 LMB 3 3 3 40.2 13.4 0.0025										
STC WASHBURN LONG L 3290 LMB 2 2 19.4 9.7 0.0006										
STC WASHBURN MIDDLE MCKENZIE L 530 bit LMB bit 21 bit 21 bit 21 bit 302.0 bit 14.4 bit 0.0396 bit STC WASHBURN SHELL L 2580 bit LMB bit 18 18 22.7 bit 15.6 bit 0.0070 BRV BAYFIELD L OWEN 1323 bit 118 116 1770.5 15.3 bit 0.0091 BLK OCONTO BOOT L 235 bit 1 lilis 1 lilis 16.5 lilis 0.0008 LCO SAWYER ROUND L 3054 bit 1 lilis 1 lilis 116.5 lilis 0.0006 LCO SAWYER ROUND L 3054 bit 4 lilis 4 lilis 16.5 lilis 0.0006 LCO SAWYER ROUND L 3054 bit 3054 bit 4 lilis 1 lilis 11.5 lilis 0.0001 LCO SAWYER ROUND L 3054 bit 3054 bit 4 lilis 4 lilis 14.5 lilis 0.0001 LDF VILAS BALLARD L 505 bit 311 lilis 308 bit 1 lilis 1 lilis 11										
STC WASHBURN SHELL 2580 LMB 18 18 280.7 15.6 0.0070										
BRV BAYFIELD L OWEN 1323 SMB 1 1 1 13.2 13.2 0.0008 MLK OCONTO BOOT L 235 SMB 1 1 1 16.5 16.5 0.0043 MLK OCONTO BOOT L 235 SMB 1 1 1 16.5 16.5 0.0043 MLK OCONTO BOOT L 235 SMB 1 1 1 16.5 16.5 0.0043 MLK OCONTO BOOT L 3064 SMB 2 2 2 27.0 13.5 0.0006 MLCO SAWYER GRINDSTONE L 3111 SMB 2 2 2 27.0 13.5 0.0006 MLCO SAWYER ROUND L 3064 SMB 4 4 6 69.5 17.4 0.0013 MLDF VILAS BALLARD L 505 SMB 1 1 1 14.5 14.5 0.0020 MLCO SAWYER TROUT L 3816 SMB 2 1 1 17.0 17.0 0.0005 MLCO SAWYER TROUT L 501 SMB 1 1 1 14.5 14.5 0.0020 MLCO SAWYER TROUT L 501 SMB 7 7 7 117.0 17.0 0.0005 MLCO SAWYER SALARD L 503 SMB 1 1 1 11.5 11.5 0.0019 MIDDLE MCKENZIE L 530 SMB 7 7 7 117.1 16.7 0.0027 Total: 15154 19 18 286.3 15.9 0.0018 STC BARRON BEAVER DAM L 1112 NOP 1 0 0 0.0009 MCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 39.8 19.9 0.0006 MCF BAYFIELD UPPER EAU CLAIRE L 1030 NOP 1 1 1 19.9 19.9 0.0010 MCF BAYFIELD UPPER EAU CLAIRE L 1185 NOP 6 6 196.9 32.8 0.0051 MCF BURNETT BIG MCKENZIE L 1185 NOP 6 6 6 196.9 32.8 0.0051 MCF BURNETT YELLOW L 2287 NOP 1 1 25.1 25.1 0.0029 MCF BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 MCF DOUGLAS L NEBAGAMON 914 NOP 1 1 25.1 25.1 0.0029 MCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 26.5 25.5 0.0010 MLK FOREST L LUCERNE 1026 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 22.4 22.4 0.0010 MCC SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 MCC SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 MCC SAWYER GRINDSTONE L 3111 NOP 5 5 186.4 37.3 0.0016 MCC SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 MCC SAWYER WHITEFISH 786 NOP 1 1 23.3 23.3 0.0013 MCV WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 1 35.2 35.2 0.0019 MCC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 1 35.2 35.2 0.0019 MCC WASHBURN MIDDLE MCKENZIE L 530 NOP 9 9 9 297.0 33.0 0.0035	STC		SHELL L	2580	LMB	18	18	280.7	15.6	0.0070
MURIC OCONTO BOOT L 235 SMB 1			Total:	18027		118	116	1770.5	15.3	0.0091
MURIC OCONTO BOOT L 235 SMB 1	DD\/	DAVELELD	LOWEN	4000	OMB	4	4	40.0	40.0	0.0000
LCO SAWYER GRINDSTONE L 3111 SMB 2 2 27.0 13.5 0.0006 LCO SAWYER ROUND L 3054 SMB 4 4 69.5 17.4 0.0013 LDF VILAS BALLARD L 505 SMB 1 1 14.5 14.5 0.0020 LDF VILAS TROUT L 3816 SMB 2 1 17.0 17.0 0.0005 STC WASHBURN MIDDLE MCKENZIE L 530 SMB 1 1 11.5 11.5 0.0019 STC WASHBURN SHELL L 2580 SMB 7 7 117.1 16.7 0.0027 Total: 15154 19 18 286.3 15.9 0.0018 Total: 15154 19 18 286.3 15.9 0.0018 Total: 15154 19 18 286.3 15.9 0.0018 Tota					_					
LCO					_					
LDF		_			_					
LDF					_		· ·			
STC WASHBURN MIDDLE MCKENZIE L 530 SMB 1 1 11.5 11.5 0.0019 STC WASHBURN SHELL L 2580 SMB 7 7 117.1 16.7 0.0027 Total: 15154 19 18 286.3 15.9 0.0008 STC BARRON BEAVER DAM L 1112 NOP 1 0 0.0009 RCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 39.8 19.9 0.0006 RCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 39.8 19.9 0.0006 RCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 39.8 19.9 0.0006 RCF BAYFIELD NAMEKAGON L 3227 NOP 1 1 19.9 0.0016 STC BURNETT LITTLE YELLOW L 348 NOP 1 1 37.2 <t< td=""><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td></t<>					_					
Total: 15154 19 18 286.3 15.9 0.0018 STC BARRON BEAVER DAM L 1112 NOP 1 0 0.0009 RCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 2 39.8 19.9 0.0006 RCF BAYFIELD UPPER EAU CLAIRE L 1030 NOP 1 1 1 19.9 19.9 0.0010 STC BURNETT BIG MCKENZIE L 1185 NOP 6 6 6 196.9 32.8 0.0051 STC BURNETT LITTLE YELLOW L 348 NOP 1 1 25.1 25.1 0.0029 STC BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 37.6 37.6 0.0010 RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 25.5 25.5 0.0010 LDF ONEIDA LITTLE FORK L 354 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.2 26.2 0.0001 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER ROUND L 3054 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 35.2 35.2 0.0019 STC WASHBURN SHELL 2580 NOP 9 9 9 297.0 33.0 0.0035							1			
STC BARRON BEAVER DAM L 1112 NOP 1 0 0.0009 RCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 39.8 19.9 0.0006 RCF BAYFIELD UPPER EAU CLAIRE L 1030 NOP 1 1 19.9 19.9 0.0010 STC BURNETT BIG MCKENZIE L 1185 NOP 6 6 196.9 32.8 0.0051 STC BURNETT LITTLE YELLOW L 348 NOP 1 1 25.1 25.1 0.0029 STC BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 </td <td>STC</td> <td>WASHBURN</td> <td>SHELL L</td> <td>2580</td> <td>SMB</td> <td>7</td> <td>7</td> <td>117.1</td> <td>16.7</td> <td>0.0027</td>	STC	WASHBURN	SHELL L	2580	SMB	7	7	117.1	16.7	0.0027
RCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 39.8 19.9 0.0006 RCF BAYFIELD UPPER EAU CLAIRE L 1030 NOP 1 1 19.9 19.9 0.0010 STC BURNETT BIG MCKENZIE L 1185 NOP 6 6 196.9 32.8 0.0051 STC BURNETT LITTLE YELLOW L 348 NOP 1 1 25.1 25.1 0.0029 STC BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 37.6 37.6 0.0010 RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054<			Total:	15154		19	18	286.3	15.9	0.0018
RCF BAYFIELD NAMEKAGON L 3227 NOP 2 2 39.8 19.9 0.0006 RCF BAYFIELD UPPER EAU CLAIRE L 1030 NOP 1 1 19.9 19.9 0.0010 STC BURNETT BIG MCKENZIE L 1185 NOP 6 6 196.9 32.8 0.0051 STC BURNETT LITTLE YELLOW L 348 NOP 1 1 25.1 25.1 0.0029 STC BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 37.6 37.6 0.0010 RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054<	STC	BARRON	BEAVER DAM L	1112	NOP	1	0			0.0009
RCF BAYFIELD UPPER EAU CLAIRE L 1030 NOP 1 1 19.9 19.9 0.0010 STC BURNETT BIG MCKENZIE L 1185 NOP 6 6 196.9 32.8 0.0051 STC BURNETT LITTLE YELLOW L 348 NOP 1 1 25.1 25.1 0.0029 STC BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 37.6 37.6 0.0010 RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 25.5 25.5 0.0010 STC POLK BALSAM L 2054 NOP 1 1 24.9 24.9 0.0028 STC POLK BIG ROUND L 1015					NOP			39.8	19.9	
STC BURNETT LITTLE YELLOW L 348 NOP 1 1 25.1 25.1 0.0029 STC BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 37.6 37.6 0.0010 RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 25.5 25.5 0.0010 LDF ONEIDA LITTLE FORK L 354 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 <td< td=""><td>RCF</td><td></td><td></td><td>1030</td><td>NOP</td><td></td><td>1</td><td>19.9</td><td></td><td></td></td<>	RCF			1030	NOP		1	19.9		
STC BURNETT YELLOW L 2287 NOP 1 1 37.2 37.2 0.0004 BRV CHIPPEWA LONG L 1052 NOP 1 1 37.6 37.6 0.0010 RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 25.5 25.5 0.0010 LDF ONEIDA LITTLE FORK L 354 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER L CHIPPEWA 15300 NOP	STC	BURNETT	BIG MCKENZIE L	1185	NOP	6	6	196.9	32.8	0.0051
BRV CHIPPEWA LONG L 1052 NOP 1 1 37.6 37.6 0.0010 RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 25.5 25.5 0.0010 LDF ONEIDA LITTLE FORK L 354 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER L CHIPPEWA 15300 NOP 1 1 26.2 26.2 0.0001 LCO SAWYER WHITEFISH L 786 NO	STC	BURNETT	LITTLE YELLOW L	348	NOP	1	1	25.1	25.1	0.0029
RCF DOUGLAS L NEBAGAMON 914 NOP 1 1 22.0 22.0 0.0011 MLK FOREST L LUCERNE 1026 NOP 1 1 25.5 25.5 0.0010 LDF ONEIDA LITTLE FORK L 354 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER L CHIPPEWA 15300 NOP 1 1 26.2 26.2 0.0001 LCO SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 LCO SAWYER WHITEFISH L 786 NO	STC	BURNETT	YELLOW L	2287	NOP	1	1	37.2	37.2	0.0004
MLK FOREST L LUCERNE 1026 NOP 1 1 25.5 25.5 0.0010 LDF ONEIDA LITTLE FORK L 354 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER L CHIPPEWA 15300 NOP 1 1 26.2 26.2 0.0001 LCO SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 LCO SAWYER WHITEFISH L 786 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP							1			
LDF ONEIDA LITTLE FORK L 354 NOP 1 1 24.9 24.9 0.0028 STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER L CHIPPEWA 15300 NOP 1 1 26.2 26.2 0.0001 LCO SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 LCO SAWYER WHITEFISH L 786 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN SHELL L 2580 NOP										
STC POLK BALSAM L 2054 NOP 2 2 56.9 28.5 0.0010 STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER L CHIPPEWA 15300 NOP 1 1 26.2 26.2 0.0001 LCO SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 LCO SAWYER WHITEFISH L 786 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
STC POLK BIG ROUND L 1015 NOP 1 1 22.4 22.4 0.0010 LCO SAWYER GRINDSTONE L 3111 NOP 3 3 82.2 27.4 0.0010 LCO SAWYER L CHIPPEWA 15300 NOP 1 1 26.2 26.2 0.0001 LCO SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 LCO SAWYER WHITEFISH L 786 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 35.2 35.2 0.0019 STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
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LCO SAWYER L CHIPPEWA 15300 NOP 1 1 26.2 26.2 0.0001 LCO SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 LCO SAWYER WHITEFISH L 786 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 35.2 35.2 0.0019 STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
LCO SAWYER ROUND L 3054 NOP 5 5 186.4 37.3 0.0016 LCO SAWYER WHITEFISH L 786 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 35.2 35.2 0.0019 STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
LCO SAWYER WHITEFISH L 786 NOP 1 1 23.3 23.3 0.0013 BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 35.2 35.2 0.0019 STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
BRV VILAS HIGH L 734 NOP 1 1 30.4 30.4 0.0014 STC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 35.2 35.2 0.0019 STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
STC WASHBURN MIDDLE MCKENZIE L 530 NOP 1 1 35.2 35.2 0.0019 STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
STC WASHBURN SHELL L 2580 NOP 9 9 297.0 33.0 0.0035										
Total: 41699 40 39 1188.9 30.5 0.0015										
			Total:	41699		40	39	1188.9	30.5	0.0015

Appendix H. Number of bass per inch group (largemouth and smallmouth) taken during spring spearing seasons from 1985-2002.

									Number o	of bass in	:								18	Percent
Inch		_	_			_	_			_				_					Year	of
Group	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Total	Total
5																			0	0.0%
6										1									1	0.0%
7					1					2								1	4	0.1%
8			1									1							2	0.1%
9	1	1	2			1	1					1							7	0.2%
10			2	4	1	1	2	1	2	1			1				1		16	0.6%
11	1	1	8		7	3	1	5	1	5	2	2	8	5	1	5	2	2	59	2.0%
12	2	2	16	7	10	30	11	11	7	32	13	5	10	16	2	8	9	6	197	6.8%
13	3	6	43	21	14	35	36	16	18	41	27	30	22	28	11	26	29	15	421	14.5%
14		2	33	27	17	47	34	20	42	37	36	35	23	74	29	29	34	41	560	19.4%
15	7	8	25	21	17	26	21	21	40	38	34	38	20	51	34	41	41	31	514	17.8%
16		12	30	19	19	25	11	13	29	35	27	17	20	32	18	49	24	23	403	13.9%
17		3	20	15	11	19	9	5	16	22	18	5	15	33	16	23	10	10	250	8.6%
18	1	2	15	9	4	16	9	11	13	17	18	10	16	19	10	21	20	12	223	7.7%
19	1	_	7	11	8	9	6	6	15	11	7	6	6	18	3	13	12	6	145	5.0%
20		1	5	7	1	2	2	3	12	9	2		3	5	1	5	3	3	64	2.2%
21	1	1	2	1	-	1			2	4	1	1	1	1	1	1	1		19	0.7%
22			1	1	1		1		1		-		-	-					5	0.2%
23			-		-		-		-			1							1	0.0%
24																			0	0.0%
25				1						1				1					3	0.1%
Total No.				·						·				·						0.170
Measured:	17	39	210	144	111	215	144	112	198	256	185	152	145	283	126	221	186	150	2,894	100%
Total		- 00							100		100	102	1.10	200	120		100	100	2,001	10070
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	2,913	2,320	44,697	
Average					,			,	,				,							
Length:		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	15.7	15.5	15.4	
Total No.																				
Speared:	21	39	275	167	113	219	147	136	201	261	187	160	145	290	126	221	200	153	3,061	
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%	93.0%	98.0%	94.5%	

Appendix I. Number of northern pike per inch group taken during spring spearing seasons from 1985-2002.

								Num	ber of no	rthern pik	e in:								18	Percent
Inch		1	l		1	l	l	1	1					l	l	1	l		Year	of
Group	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Total	Total
10 11																			0 0	0.0% 0.0%
12		1						1											2	0.0%
13		'		1				'											1	0.4%
14														1			1		2	0.4%
15			1			1								1					3	0.6%
16						2									1	1			4	0.7%
17		1	1	2	1		1	1		1	1				1	1			11	2.1%
18			1	1	1	4	4			1		1	1			5	1		20	3.7%
19				2	1	1	4		1	1	2	1	1	3	2			2	21	3.9%
20		2		2	5	1	6	1	1	1	2	2	1	2	1	4		1	32	6.0%
21			2	10	1	3	4	1	1	1	_	2	3	2	3	3	1	0	33	6.2%
22 23		2	3 2	2 2		4 2	4	2	2	3 2	3 6	2	3 1	3 4	5 2	3		2 3	42 36	7.9% 6.7%
23			3	2		3	6	1	3	2	1	1	1	4	1	3	2	1	32	6.0%
25		'	1	1		3	2	1	3	2	3	1	5	6		1		2	24	4.5%
26			l '	5		1	2	2		1	1	4	1	6	1	3	1	1	29	5.4%
27			1	1	1	2	1	1		1	·	1	2	3		4	4	2	24	4.5%
28			7	2	1	1	1		1	3	1	2	1	5		3	3	1	32	6.0%
29				1	1	2	1		2	1		5	1	2		3	5	1	25	4.7%
30			1	1			1		1	4	1		1	4		5	1	3	23	4.3%
31			2	3		1		1	1		2		2	5		1			18	3.4%
32			3	2		1			1	2			2	2	2	2	2	3	22	4.1%
33		1			1	1	2	1		2		1		1	1	2	1	4	18	3.4%
34							1				1	2	3	1	2	2	2	3	17	3.2%
35							1	1			1		1	3		5		3	15	2.8%
36		1		2		1	1	1		1			1	1		1	_	4	10	1.9%
37 38				1	1	1			1	2		1	2 2	1			4	4	13 8	2.4% 1.5%
39		1		1		'			1	2	1	'	2	1		1		2	8	1.5%
40		1		'			1		'		2			'		'	2	1	7	1.3%
41		'		1			'		1								_		2	0.4%
42																	1		1	0.2%
Total No.																				
Measured:	0	12	28	45	14	32	40	18	19	29	28	26	35	61	23	54	32	39	535	100%
Total	1				1				1							1				
Length:	0	312	724	1,152	334	776	986	453	527	792	744	693	987	1,660	583	1457	979	1189	14,346	
Average		20.0	05.0	05.0	00.0	04.0	24.0	25.0	07.7	07.0	20.0	00.7	00.0	07.0	25.0	07.0	20.0	20.5	00.0	
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	30.6	30.5	26.8	
Total No. Speared:	2	13	41	59	14	34	41	30	19	30	32	30	37	68	29	54	32	40	605	
Percent		13	41	Ja	14	34	41	30	19	30	J2	30	31	00		J4	32	40	003	
Measured:		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%	100.0%	97.5%	88.4%	