



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.

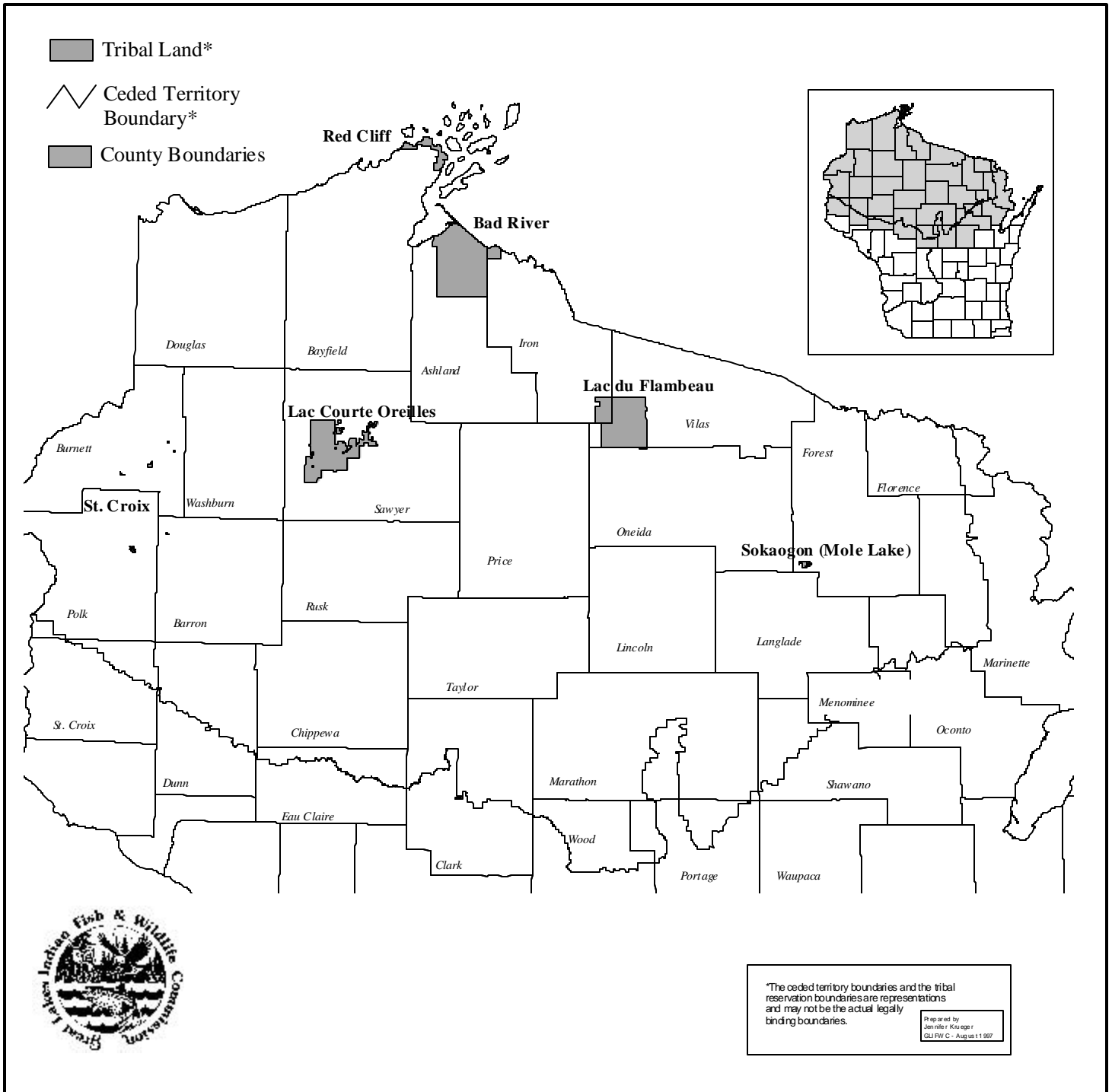


Figure 2 Off-Reservation Treaty Fishing Permit used during the 2002 open-water season.

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

FRONT

| | | | |
|------------------------|-------|-------------------------------|-------|
| Spearing Times: | | Number of: | |
| Starting _____ | | Walleye per boat _____ | |
| Ending _____ | | Musky per boat _____ | |
| WALLEYE LENGTHS | | | |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

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

Number of spears. 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 spears increased by 10 persons or 2%.

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

| YEAR | BRV | LCO ² | LDL | 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% |

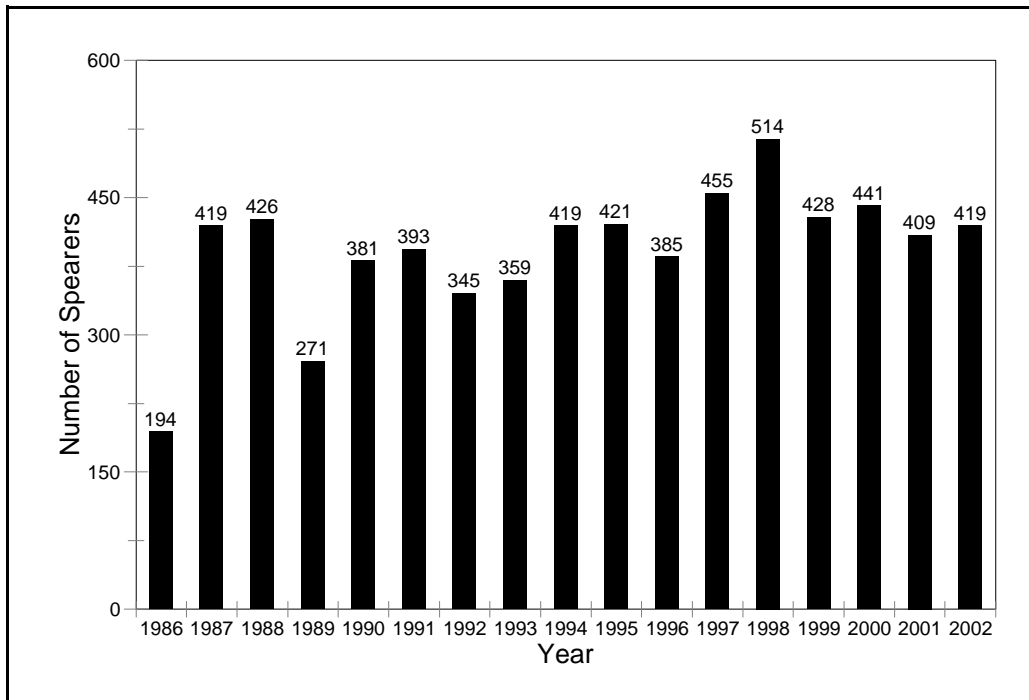
¹Abbreviations for the various bands are: BRV = Bad River, LCO = Lac Courtes Oreilles, LDL = Lac du Flambeau, MLK = Mole Lake, RCF = Red Cliff, and STC = St. Croix.

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 spearkers 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.

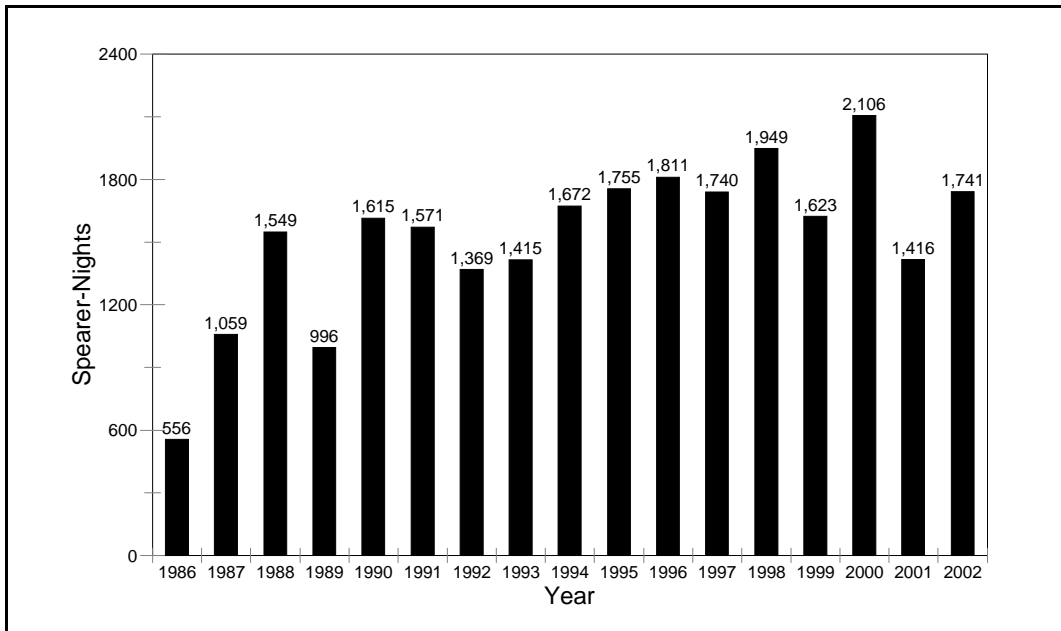
| YEAR | BRV | LCO ¹ | LDF | MLK | RCF | STC ² | TOTAL: |
|------------------------------|------|------------------|------|------|-----|------------------|--------|
| 1986 | 2 | 50 | 382 | 72 | | 50 | 556 |
| 1987 | 43 | 140 | 695 | 205 | | 181 | 1,264 |
| 1988 | 64 | 165 | 788 | 249 | 37 | 246 | 1,549 |
| 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.

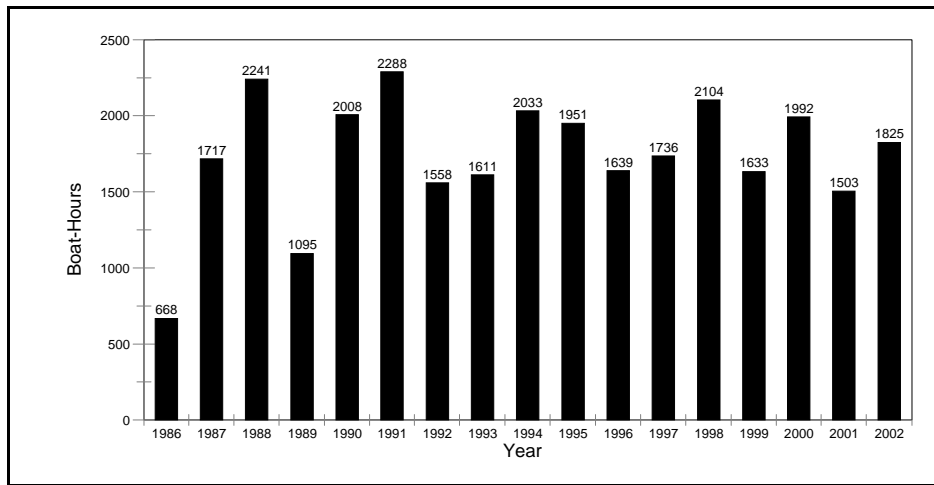
| Year | BRV ¹ | LCO ² | LDF | MLK | RCF | STC ³ | Total: |
|--------------------------------------|------------------|------------------|------|------|------|------------------|--------|
| 1986 | 2 | 53 | 440 | 95 | | 78 | 668 |
| 1987 | 46 | 163 | 976 | 252 | | 280 | 1,717 |
| 1988 | 173 | 247 | 1094 | 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.

| YEAR | AVERAGE LENGTH OF TRIP: | | | | | | TOTAL |
|---------------------------------|-------------------------|------------------|-----|-----|-----|------------------|-------|
| | BRV | LCO ¹ | LDF | MLK | RCF | STC ¹ | |
| 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

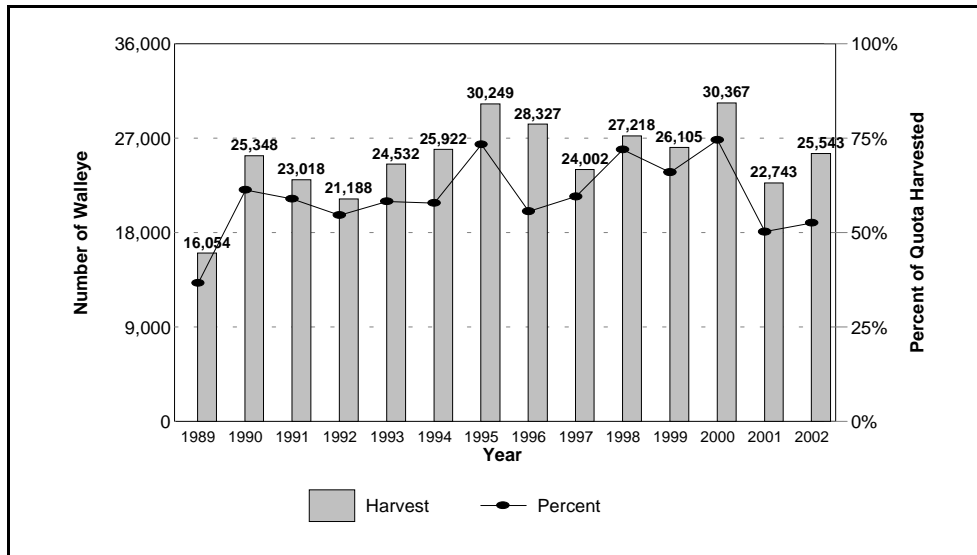
Tribal quotas (TQ) for walleye were selected for 283 lakes and totaled 48,628 walleye (Table 6). The percent of the "safe harvest" selected as tribal quotas for lakes in 2002 ranged from 0.0% (Kentuck Lake, Vilas County) to 94.87% (Virgin Lake, Oneida County). Two tribes selected the same lake in 11 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). Spearfishing 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, spearfishing 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% |

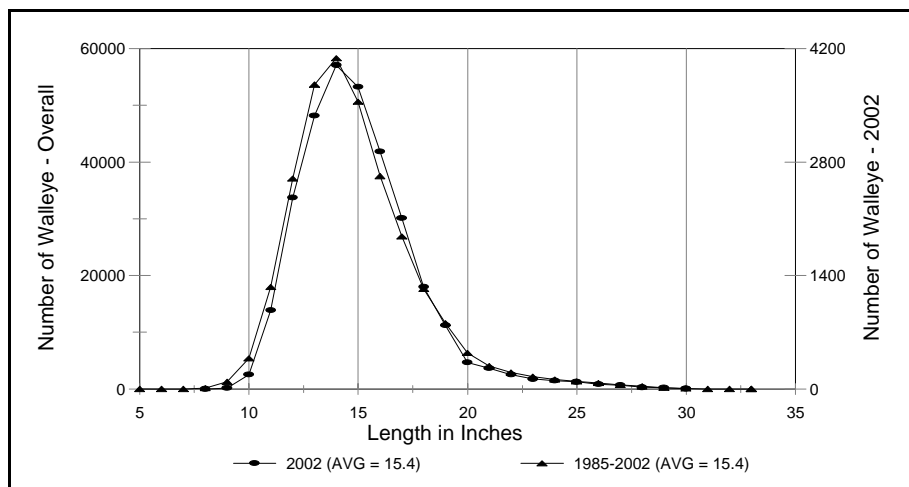
Figure 6. Number of walleye and percent of quota harvested during spring spearing seasons from 1989-2002.



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.



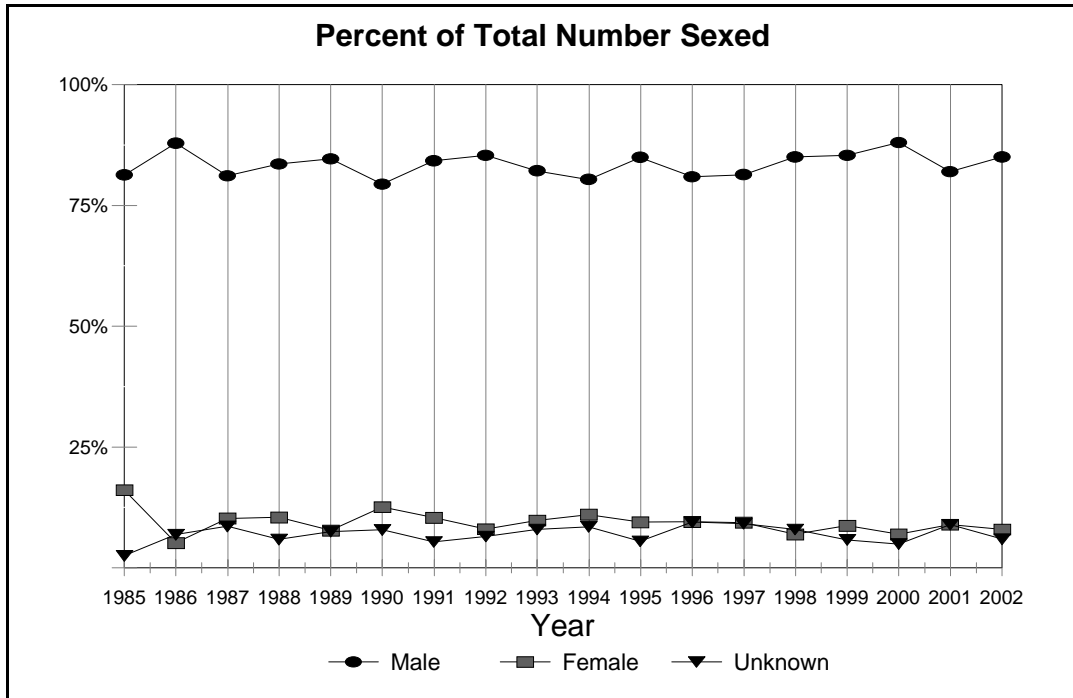
Sex Composition of Catch. The majority of walleye sexed in 2002 were male: 19,624 of 22,949 fish or 86% (Table 7). Females (1,889 fish) comprised 8% of the sexed harvest and those whose sex could not be determined (1,436 fish) made up 6%. Males made up 91% of sexable fish.

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.

| Year | Total Harvest | Male | | Female | | Unknown | | Total Sexed: | |
|---------------|----------------|----------------|------------|---------------|-----------|---------------|-----------|----------------|------------|
| | | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| 1985 | 2,761 | 696 | 81% | 138 | 16% | 22 | 3% | 856 | 31% |
| 1986 | 6,940 | 6,013 | 88% | 356 | 5% | 473 | 7% | 6,842 | 99% |
| 1987 | 21,321 | 11,539 | 81% | 1,456 | 10% | 1,229 | 9% | 14,224 | 67% |
| 1988 | 25,969 | 16,193 | 84% | 2,033 | 10% | 1,142 | 6% | 19,368 | 75% |
| 1989 | 16,054 | 11,222 | 85% | 1,030 | 8% | 1,002 | 8% | 13,254 | 83% |
| 1990 | 25,348 | 14,693 | 79% | 2,342 | 13% | 1,465 | 8% | 18,500 | 73% |
| 1991 | 23,018 | 15,626 | 84% | 1,926 | 10% | 999 | 5% | 18,551 | 81% |
| 1992 | 21,188 | 15,563 | 85% | 1,473 | 8% | 1,190 | 7% | 18,226 | 86% |
| 1993 | 24,532 | 16,357 | 82% | 1,958 | 10% | 1,588 | 8% | 19,903 | 81% |
| 1994 | 25,922 | 17,467 | 80% | 2,407 | 11% | 1,852 | 9% | 21,726 | 84% |
| 1995 | 30,249 | 20,897 | 85% | 2,339 | 10% | 1,369 | 5% | 24,605 | 81% |
| 1996 | 28,327 | 18,562 | 81% | 2,191 | 9.5% | 2,181 | 9.5% | 22,934 | 81% |
| 1997 | 24,002 | 17,541 | 81% | 2,031 | 9% | 1,978 | 9% | 21,550 | 90% |
| 1998 | 27,218 | 20,604 | 85% | 1,633 | 7% | 1,990 | 8% | 24,227 | 89% |
| 1999 | 26,105 | 20,156 | 85% | 2,076 | 9% | 1,384 | 6% | 23,616 | 90% |
| 2000 | 30,367 | 24,422 | 88% | 1,974 | 7% | 1,477 | 5% | 27,873 | 92% |
| 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).

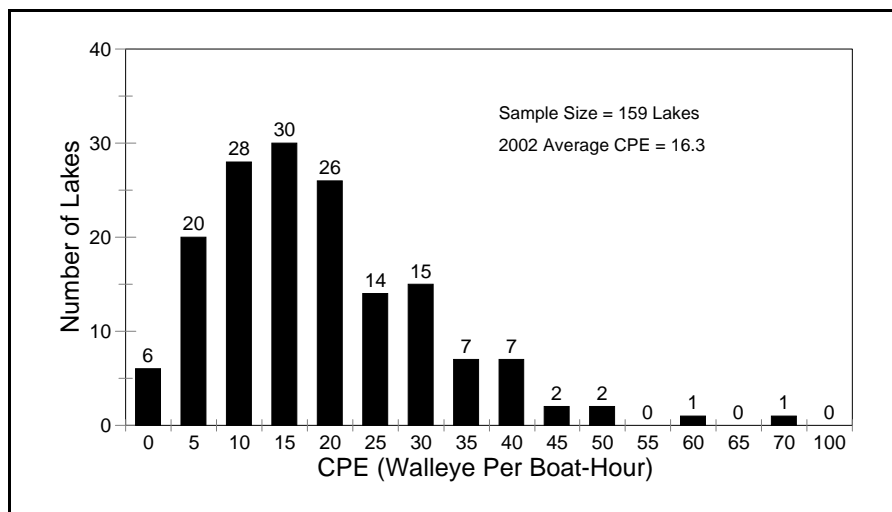
Catch rates for the 159 lakes speared in 2002 ranged from 0.0 to 65.8 and averaged 16.3 per boat-hour (Appendix B, Table 8, Figure 9). Boat-hour effort was completely recorded for all lakes during spring 2002.

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.

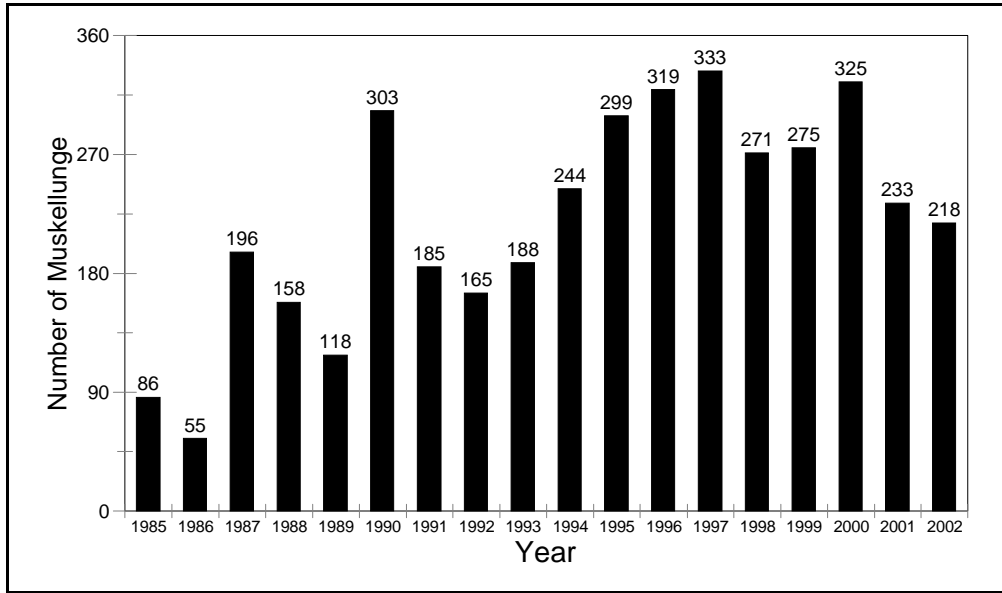
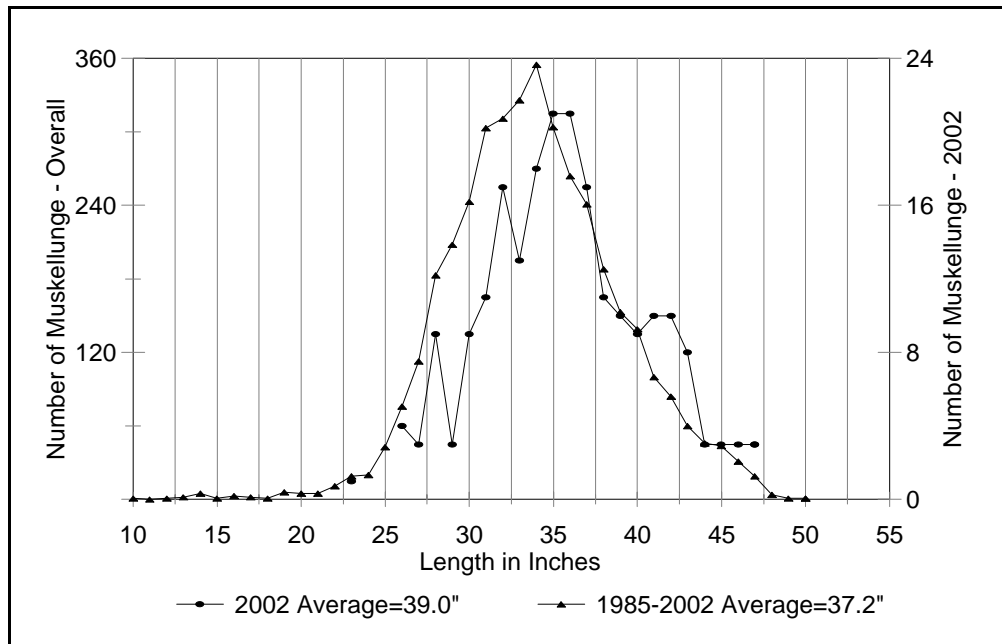


Figure 11. Length-frequency of muskellunge speared during spring 2002 and during the eighteen year period 1985-2002.



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.

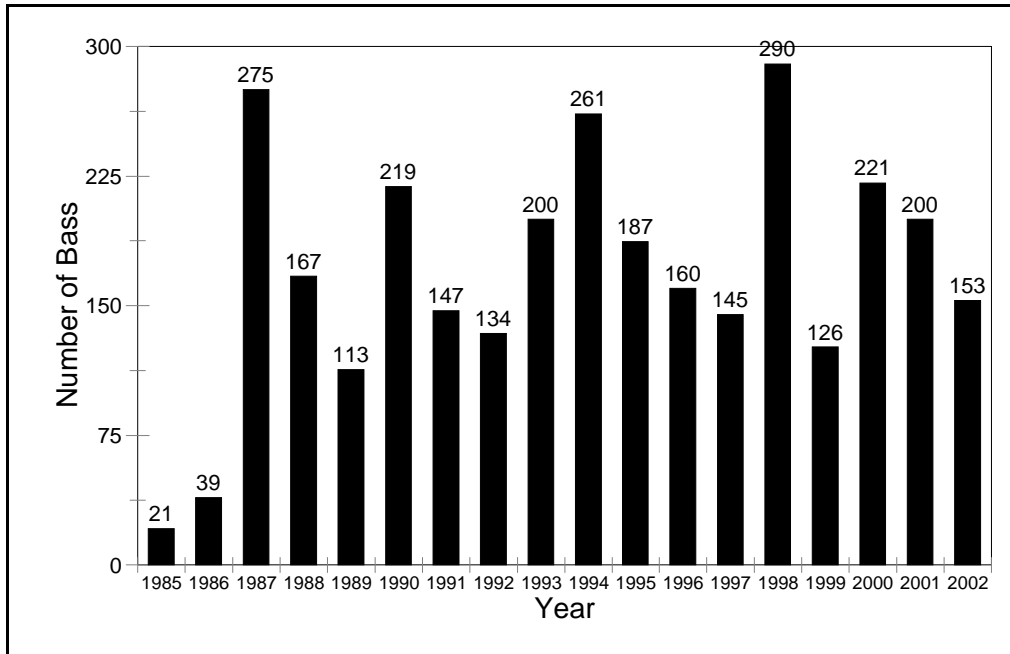
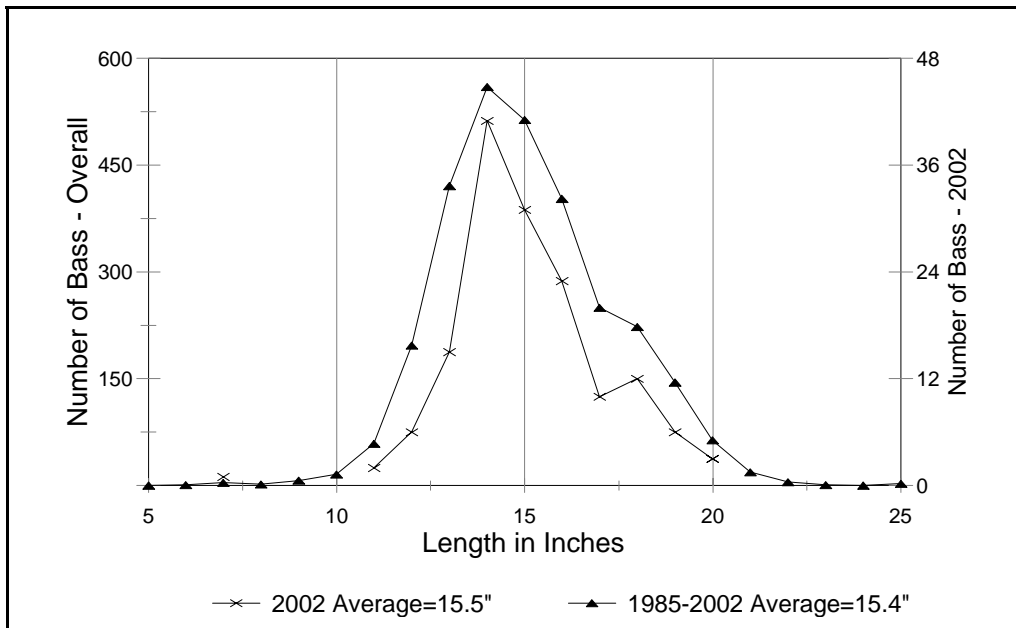


Figure 13. Length-frequency for bass taken during 2002 and during the eighteen year period 1985-2002.



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.

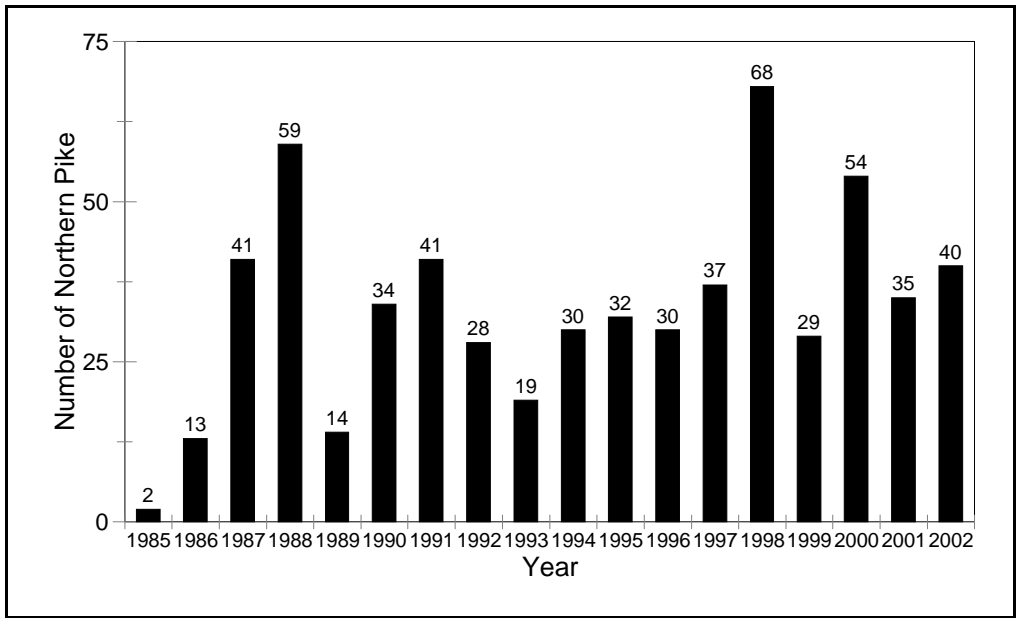
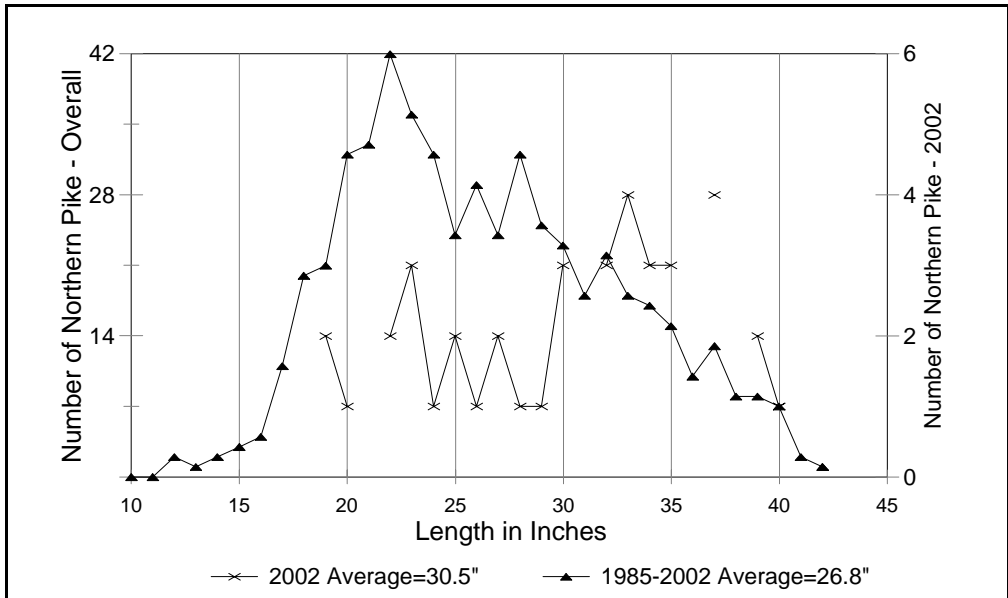


Figure 15. Length frequency of northern pike speared during 2002 and during the eighteen year period from 1985-2002.



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

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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 Nights | BRV | LCO | LDF | MLK ¹ | RCF | STC ² | Total: | Percent of Total: | Cumulative 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% |

¹ Includes 1 member from Red Cliff.

² Includes 2 members from Bad River and 2 from Mille Lacs.

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.

| County | Lac Courte Oreilles Lake | Area (acres) | Walleye Safe Harvest | 2002 Tribal Quota | April | | | | | | | | | | May | | | | | | | | | | Total Harvest | Quota Balance | Boat- Hour | CPE | | | | | | |
|--------------------------------------|-----------------------------|-----------------|----------------------------|-------------------------|--------|--------|-------|-----|------|------|------|-----|------|------|-----|-----|------|-----|------|------|------|------|------|------|------------------|------------------|---------------|------|------|------|------|-------|-------|--|
| | | | | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | | | | | 7 | 8 | 9 | 10 | | |
| 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 | AMACOEY 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 | 0 | 8.4 | 13.5 | | | | |
| SAWYER | L CHETAC | 1920 | 737 | 626 | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | ** | ** | | | | | 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 lakes: | | | | | 30 | | | | | 1 | 1 | 3 | 2 | 1 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| Area in acres: | | | | | 47,543 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of walleye: | | | | | | 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 spearer-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 interviews 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 interviews without effort: | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Number of boat-hours: | | | | | | | | 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 | | |
| Catch-per-effort: | | | | | | | | 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.

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.

| County | Sokaogon (Mole Lake) Lake | Area (acres) | Walleye Safe Harvest | 2002 Tribal Quota | April | | | | | | | | | | May | | | | | | | | | | Total Harvest | Quota Balance | Boat- Hour | CPE | | | | |
|--------------------------------------|------------------------------|-----------------|----------------------------|-------------------------|-------|------|------|-----|------|------|-----|------|------|-----|------|------|------|------|------|------|------|------|------|-----|------------------|------------------|---------------|-------|-------|-------|------|--|
| | | | | | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | 8 | 9 | 10 | |
| 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 lakes: | | 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: | | 53,314 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of walleye: | | | 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 spearer-nights: | | | | | 1 | 9 | 21 | 1 | 22 | 21 | 5 | 15 | 21 | 1 | 17 | 22 | 22 | 18 | 17 | 26 | 11 | 6 | 5 | 3 | 5 | 2 | 0 | 271 | | | | |
| Number of interviews with effort: | | | | | 1 | 5 | 9 | 1 | 10 | 9 | 3 | 7 | 10 | 1 | 8 | 12 | 11 | 10 | 5 | 12 | 6 | 3 | 3 | 2 | 2 | 1 | 0 | 131 | | | | |
| Number of interviews without effort: | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Number of boat-hours: | | | | | 0.6 | 14.9 | 28.6 | 1.0 | 29.8 | 30.1 | 5.0 | 16.1 | 27.8 | 0.8 | 23.4 | 25.0 | 26.9 | 17.5 | 11.4 | 33.3 | 11.3 | 7.1 | 7.3 | 3.6 | 1.8 | 1.2 | 0.0 | | | 324.5 | | |
| Catch-per-effort: | | | | | 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 | 25.8 | 12.5 | 12.3 | 6.1 | 13.9 | 0.8 | 0.0 | | | | 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.

| County | Red Cliff Lake | Area (acres) | Walleye Safe Harvest | 2002 Tribal Quota | April | | | | | | | | | | | | | | | May | | | | Total Harvest | Quota Balance | Boat- Hour | CPE |
|--------------------------------------|---------------------|-----------------|----------------------------|-------------------------|-------|------|------|------|------|------|-----|------|------|------|------|------|------|------|-----|------|-----|-------|-----|------------------|------------------|---------------|-----|
| | | | | | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | | | | | | |
| BAYFIELD | DIAMOND L | 341 | 44 | 37 | | | | | | | | | | | | | | | | | | 37 | 0 | 2.5 | 14.8 | | |
| BAYFIELD | L OWEN | 1323 | 301 | 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 lakes: | | 10 | | | 1 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | | | | | | |
| Area in acres: | | 12,621 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of walleye: | | | 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 spearer-nights: | | | | | 2 | 7 | 21 | 4 | 16 | 22 | 0 | 18 | 18 | 2 | 8 | 8 | 12 | 6 | 0 | 6 | 2 | 152 | | | | | |
| Number of interviews with effort: | | | | | 1 | 3 | 9 | 2 | 8 | 9 | 0 | 9 | 8 | 1 | 4 | 4 | 6 | 3 | 0 | 2 | 1 | 70 | | | | | |
| Number of interviews without effort: | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Number of boat-hours: | | | | | 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-effort: | | | | | 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.

| County | St. Croix Lake | Area (acres) | Walleye Safe Harvest | 2002 Tribal Quota | 2002 | | | | | | | | | | | | | | | | | | | | | | Total Harvest | Quota Balance | Boat- Hour | CPE | | | | | | | | | | | |
|--------------------------------------|-------------------|-----------------|----------------------------|-------------------------|-------|------|------|------|------|------|------|------|------|------|-----|------|------|------|-----|------|-----|-----|-----|-----|-----|-----|------------------|------------------|---------------|-----|------|-----|-----|------|------|------|-------|-------|----|----|--|
| | | | | | April | | | | | | | | | | | May | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 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 | |
| BARRON | BEAR L | 1358 | 174 | 133 | | | ** | | | ** | ** | | | ** | 133 | | | | | | | | | | | | | | | | | | | 133 | 0 | 9.1 | 14.6 | | | | |
| BARRON | BEAVER DAM L | 1112 | 120 | 101 | | | | 12 | ** | 49 | 16 | 5 | | | | | | | | | | | | | | | | | | | | | 82 | 19 | 24.2 | 3.4 | | | | | |
| BARRON | BIG MOON L | 191 | 26 | 22 | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 22 | | * | | | | | | |
| BARRON | GRANITE L | 154 | 22 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 18 | | * | | | | | | |
| BARRON | HORSESHOE L | 115 | 51 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 35 | 3.9 | 2.1 | | | | | | |
| BARRON | LOWER DEVILS L | 162 | 71 | 60 | | | | | | | | | | | | | | | | ** | ** | | | | | | | | | | | 0 | 60 | | * | | | | | | |
| BARRON | LOWER TURTLE L | 276 | 117 | 99 | | | | 12 | | | ** | 14 | ** | ** | ** | ** | | | | | | | | | | | | | | | | 0 | 53 | 79 | 20 | 15.5 | 5.1 | | | | |
| BARRON | PRAIRIE L | 1534 | 334 | 257 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 257 | | * | | | | | | |
| BARRON | RED CEDAR L | 1841 | 437 | 336 | | | | 36 | ** | ** | 6 | ** | ** | 40 | ** | 47 | | | | | | | | | | | | | | | | 208 | 128 | 19.1 | 10.9 | | | | | | |
| BARRON | SAND L | 322 | 41 | 34 | | | | | | | | | | | 0 | ** | ** | ** | ** | ** | ** | ** | | | | | | | | | 1 | ** | ** | 1 | 33 | 6.8 | 0.1 | | | | |
| BARRON | SILVER L | 337 | 142 | 120 | | | | | | | 0 | ** | 4 | ** | ** | ** | | | | | | | | | | | | | | | | 4 | 116 | 4.0 | 1.0 | | | | | | |
| BARRON | UPPER TURTLE L | 438 | 54 | 45 | | | 31 | ** | | | | | | | | | | | | | | | | | | | | | | | | 31 | 14 | 2.1 | 14.8 | | | | | | |
| BURNETT | BIG MCKENZIE L | 1185 | 127 | 107 | | | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | 107 | 0 | 11.8 | 9.1 | | | | | |
| BURNETT | DEVILS L | 1001 | 66 | 50 | | 23 | | 2 | ** | ** | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 8.0 | 3.1 | | | | | | |
| BURNETT | LIPSETT L | 393 | 49 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 41 | | * | | | | | | |
| BURNETT | LITTLE YELLOW L | 348 | 146 | 124 | | | | | ** | 3 | 3 | ** | ** | 8 | ** | 1 | | | | | | | | | | | | | | | | 15 | 109 | 10.1 | 1.5 | | | | | | |
| BURNETT | ROONEY L | 322 | 41 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 34 | | * | | | | | | |
| BURNETT | SAND L | 962 | 73 | 56 | | 10 | | | ** | 40 | | | | | | | | | | | | | | | | | | | | | | 50 | 6 | 9.7 | 5.2 | | | | | | |
| BURNETT | YELLOW L | 2287 | 222 | 188 | | | | ** | 111 | ** | ** | 2 | ** | ** | ** | | | | | | ** | ** | | | | | | | | | | 113 | 75 | 21.7 | 5.2 | | | | | | |
| POLK | BALSAM L | 2054 | 203 | 172 | 19 | 55 | ** | 22 | | | 70 | | | | | | | | | | | | | | | | | | | | | 166 | 6 | 20.1 | 8.3 | | | | | | |
| POLK | BEAR L | 155 | 68 | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 57 | | * | | | | | | |
| POLK | BIG BUTTERNUT L | 378 | 48 | 40 | | | | | | | | | | ** | ** | ** | | | | | | | | | | | | | | | | 0 | 40 | | * | | | | | | |
| POLK | BIG ROUND L | 1015 | 111 | 94 | 23 | 2 | 3 | | | | | | | 9 | 8 | 9 | ** | 1 | | ** | ** | | | | | | | | | | | 55 | 39 | 53.3 | 1.0 | | | | | | |
| POLK | HALF MOON L | 579 | 88 | 67 | 14 | 33 | ** | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 20 | 7.8 | 6.1 | | | | | | |
| POLK | INDIANHEAD FL | 776 | 313 | 266 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 266 | | * | | | | | | |
| POLK | MAGNOR L | 224 | 30 | 25 | ** | ** | ** | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 25 | | * | | | | | | |
| POLK | PIPE L | 270 | 115 | 97 | 80 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | 80 | 17 | 11.5 | 7.0 | | | | | | |
| POLK | WAGOASSET L | 1186 | 127 | 107 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 12 | 3.9 | 24.4 | | | | | | |
| ST CROIX | CEDAR L | 1100 | 436 | 370 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 370 | | * | | | | | | |
| WASHBURN | BALSAM L | 295 | 125 | 106 | | | | | 1 | 37 | ** | ** | ** | 68 | | | | | | | | | | | | | | | | | | 106 | 0 | 10.4 | 10.2 | | | | | | |
| WASHBURN | BASS-PATTERSON L | 188 | 106 | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 67 | 14 | 6.1 | 11.1 | | | | | | |
| WASHBURN | BIG BASS L | 203 | 28 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 23 | | * | | | | | | |
| WASHBURN | L NANCY | 772 | 88 | 74 | | | | | | | | | 73 | | | | | | | | ** | ** | ** | | | | | | | | | 73 | 1 | 6.8 | 10.8 | | | | | | |
| WASHBURN | LONG L | 3290 | 608 | 234 | | | | | 46 | 14 | ** | 75 | 0 | ** | ** | 99 | | | | | | | | | | | | | | | | 234 | 0 | 37.7 | 6.2 | | | | | | |
| WASHBURN | MATTHEWS L | 263 | 35 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 29 | | * | | | | | | |
| WASHBURN | MIDDLE MCKENZIE L | 530 | 218 | 185 | | 23 | 0 | ** | ** | | | | | | | | | | | | ** | ** | | | | | | | | | | 0 | 70 | 115 | 41.9 | 1.7 | | | | | |
| WASHBURN | SHELL L | 2580 | 973 | 826 | | | | | | | | | 52 | ** | 16 | | | | | | | | | | | | | | | | | 152 | 674 | 50.1 | 3.0 | | | | | | |
| Number of lakes: | | 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 | | | | | |
| Area in acres: | | 28,838 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of walleye: | | | 6,033 | 4,721 | 231 | 123 | 149 | 84 | 47 | 254 | 95 | 94 | 79 | 168 | 0 | 163 | 59 | 219 | 11 | 136 | 6 | 0 | 0 | 15 | 0 | 0 | 0 | 39 | 0 | 0 | 16 | 6 | 6 | 0 | 1 | 0 | 2,001 | 2,720 | | | |
| Number of spearer-nights: | | | | | 23 | 26 | 34 | 26 | 18 | 32 | 17 | 12 | 13 | 21 | 0 | 27 | 13 | 32 | 13 | 19 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 0 | 0 | 9 | 7 | 2 | 0 | 3 | 2 | 362 | | | | |
| Number of interviews with effort: | | | | | 9 | 11 | 16 | 11 | 8 | 14 | 7 | 8 | 9 | 10 | 0 | 11 | 4 | 13 | 7 | 7 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 3 | 2 | 0 | 1 | 1 | 163 | | | | |
| Number of interviews without effort: | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Number of boat-hours: | | | | | 30.3 | 36.3 | 34.6 | 27.4 | 20.1 | 44.7 | 16.6 | 17.1 | 15.9 | 21.0 | 0.0 | 16.6 | 15.1 | 24.8 | 7.2 | 15.7 | 4.8 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 | 13.1 | 8.3 | 7.4 | 0.0 | 1.5 | 2.6 | | 395.3 | | | |
| Catch-per-effort: | | | | | 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 | | 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 (acres) | Safe Harvest | Tribal Quota | April | | | | | | | | | | | | | | May | | | | |
|-----------------------------------|-----------------|-----------------|-----------------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---|---|---|---|
| | | | | 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 |

| Six Tribal Bands Combined: (continued) | Area (acres) | Safe Harvest | Tribal Quota | May | | | | | | | | | | | | | | Total | Quota Balance | Boat- Hour | CPE |
|--|-----------------|-----------------|-----------------|-----|---|---|---|----|----|----|----|----|----|----|----|----|--|-------|------------------|---------------|-----|
| | | | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 21 | 22 | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---------|--------|--------|------|------|------|-----|------|------|-----|------|------|-----|-----|-----|-----|--------|--------|--|--|---------|------|
| 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 | | Area | INCH GROUP | | | | | | | | | | | | | | | | | Total Measured | Total Harvested | Total Inches | Mean Length | Male | Female | Unknown | Total Sexed | | | |
|------------------|----------------------|-------|------------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----------------|-----------------|--------------|-------------|--------|----------|---------|-------------|-----|-----|-------|
| County | Lake | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | | | | | | | | 27 | 28 | 29 |
| 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 | 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 Courte Oreilles | | Area | INCH GROUP | | | | | | | | | | | | | | | | Total Measured | Total Harvested | Total Inches | Mean Length | Male | Female | Unknown | Total Sexed | | | | |
|----------------------------|---------------------|-------|------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----------------|-----------------|--------------|-------------|-------|---------|----------|-------------|-------|-----|-----|-------|
| County | Lake | | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | | 25 | 26 | 27 | 28 |
| 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 | | | | | 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 |

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 | | Area | INCH GROUP | | | | | | | | | | | | | | | | | Total Meas. | Total Harv. | Total Inches | Mean Length | Male | Female | Unk. | Total Sexed | | | | | |
|------------------------|---------------------|--------|------------|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-------------|-------------|--------------|-------------|------|--------|------|-------------|------|-----|----|----|-----|
| County | Lake | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | | 25 | 26 | 27 | 28 | 29 |
| IRON | GILE FL | 3,384 | | 4 | 29 | 95 | 85 | 61 | 75 | 34 | 15 | 2 | 2 | | | | | | | | | | | | 402 | 602 | 5623.7 | 14.0 | 374 | 5 | 23 | 402 |
| IRON | 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 |
| LINCOLN | L MOHAWKSIN | 1,910 | | | 1 | 1 | 2 | 4 | | | | | | | | | | | | | | | | | 8 | 8 | 108.0 | 13.5 | 4 | 1 | 3 | 8 |
| LINCOLN | 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 |
| ONEIDA | BEARSKIN L | 400 | | | 2 | 7 | 24 | 17 | 29 | 22 | 11 | 8 | 3 | | 4 | 2 | | | | | | | | | 129 | 129 | 2015.6 | 15.6 | 113 | 14 | 2 | 129 |
| ONEIDA | BUCKSKIN L | 634 | | | | | 1 | 9 | 33 | 26 | 14 | 8 | 7 | | | 1 | | | | | | | | | 99 | 99 | 1631.8 | 16.5 | 95 | 4 | | 99 |
| ONEIDA | CARROLL L | 335 | | | | | 2 | 6 | 5 | 4 | 2 | 2 | 2 | | | | | | | | | 1 | 1 | | 25 | 25 | 421.7 | 16.9 | 20 | 2 | 3 | 25 |
| ONEIDA | 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 | 132 |
| ONEIDA | 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 | 162 |
| ONEIDA | GEORGE L | 435 | | | 7 | 20 | 26 | 28 | 10 | 3 | 3 | | | | | | | | | | | | | | 97 | 97 | 1240.7 | 12.8 | 84 | 11 | 2 | 97 |
| ONEIDA | 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 |
| ONEIDA | ISLAND L | 295 | | 3 | 9 | 16 | 4 | 5 | 7 | | | | | | | | | | | | | | | | 44 | 44 | 569.4 | 12.9 | 42 | | 2 | 44 |
| ONEIDA | 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 | 184 |
| ONEIDA | 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 | 110 |
| ONEIDA | LITTLE FORK L | 354 | | 5 | 22 | 22 | 19 | 8 | 2 | 1 | 1 | 1 | | | | | | | | | | | | | 81 | 81 | 1034.3 | 12.8 | 75 | 6 | | 81 |
| ONEIDA | 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 |
| ONEIDA | MEDICINE L | 372 | | 4 | 18 | 26 | 18 | 1 | 8 | 5 | 1 | | 1 | | 2 | | | 1 | | | | | | | 85 | 85 | 1136.8 | 13.4 | 74 | 11 | | 85 |
| ONEIDA | 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 | 268 |
| ONEIDA | MUSKELLUNGE L | 284 | | 1 | | 6 | 14 | 16 | 7 | 8 | 5 | 3 | | 2 | | 1 | | 1 | 1 | 1 | | | | | 66 | 66 | 1021.8 | 15.5 | 35 | 10 | 21 | 66 |
| ONEIDA | N NOKOMIS L | 476 | | | 2 | | 5 | 2 | 3 | 5 | 4 | 2 | 1 | | | 2 | | | | | | | | | 26 | 26 | 420.3 | 16.2 | 17 | 1 | 8 | 26 |
| ONEIDA | PICKEREL L | 736 | | | 1 | | 2 | 3 | 3 | 5 | | | | | | 2 | | 1 | | | | 1 | | | 18 | 18 | 307.2 | 17.1 | 10 | 4 | 4 | 18 |
| ONEIDA | 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 |
| ONEIDA | SAND L | 540 | | | 8 | 16 | 18 | 30 | 23 | 14 | 6 | 3 | | | 3 | 1 | | | | | | | | | 122 | 122 | 1792.6 | 14.7 | 106 | 8 | 8 | 122 |
| ONEIDA | 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 | 363 |
| ONEIDA | TOMAHAWK L CHAIN | 3,552 | | | | | 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 |
| ONEIDA | TWO SISTERS L | 719 | | | | 2 | 15 | 29 | 35 | 23 | 19 | 12 | 7 | 5 | 2 | | 3 | 2 | | 4 | 1 | 1 | | | 160 | 160 | 2664.9 | 16.7 | 140 | 9 | 11 | 160 |
| ONEIDA | WILLOW FL | 5,135 | | 1 | 3 | 2 | 10 | 12 | 11 | 15 | 18 | 10 | 2 | 1 | | 1 | | | | | | | | | 86 | 86 | 1366.6 | 15.9 | 78 | 5 | 3 | 86 |
| PRICE | 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 |
| PRICE | PIKE L | 806 | | 2 | 17 | 6 | 6 | 8 | 2 | | | | | | | | | | | | | | | | 41 | 41 | 516.3 | 12.6 | 33 | 2 | 6 | 41 |
| PRICE | ROUND L | 726 | | 4 | 7 | 27 | 14 | 10 | 5 | 2 | 1 | | | | | 1 | 1 | | | | | 1 | | | 73 | 73 | 979.9 | 13.4 | 65 | 2 | 6 | 73 |
| PRICE | SOLBERG L | 859 | | | | 1 | 2 | 2 | 1 | 1 | | | | | | | | | | | | | | | 7 | 7 | 100.2 | 14.3 | 7 | | | 7 |
| PRICE | TURNER L | 149 | | 1 | | 3 | | 2 | | 1 | | | | | | 1 | | | | | | | | | 8 | 8 | 114.5 | 14.3 | 6 | 1 | 1 | 8 |
| VILAS | ANVIL L | 380 | | | | | | 1 | 10 | 38 | 19 | 16 | 3 | | | | | | | | | | | | 87 | 87 | 1476.8 | 17.0 | 74 | 13 | | 87 |
| VILAS | BALLARD L | 505 | | | 7 | 10 | 28 | 80 | 73 | 18 | 11 | 5 | 9 | 1 | 3 | 2 | 4 | 1 | 3 | | | | | | 255 | 255 | 3925.3 | 15.4 | 172 | 11 | 72 | 255 |
| VILAS | BIG ARBOR VITAE L | 1,090 | | | 1 | 6 | 18 | 44 | 47 | 29 | 9 | 3 | 6 | 1 | 1 | | | | 1 | 1 | | | | | 167 | 390 | 2582.5 | 15.5 | 152 | 15 | 1 | 168 |
| VILAS | BIG L (BOULDER JCT) | 835 | | | 9 | 26 | 33 | 29 | 13 | 2 | 4 | 3 | | | | | | | | | | 1 | | | 120 | 120 | 1673.4 | 13.9 | 72 | 9 | 39 | 120 |
| VILAS | BIG L (MI BORDER) | 771 | | 1 | 4 | 21 | 30 | 31 | 12 | 7 | 2 | | 1 | | | | | | | | | | | | 109 | 109 | 1512.2 | 13.9 | 109 | | | 109 |
| VILAS | BIG MUSKELLUNGE L | 930 | | 1 | 2 | 13 | 14 | 18 | 32 | 18 | 12 | 2 | 5 | 2 | | 2 | 2 | 4 | | 3 | | | | | 130 | 203 | 2084.5 | 16.0 | 79 | 14 | 37 | 130 |
| VILAS | BIG PORTAGE L | 638 | | | 5 | 19 | 25 | 32 | 41 | 17 | 2 | | | | | | 1 | | | | | | | | 142 | 142 | 2058.5 | 14.5 | 121 | 2 | 19 | 142 |
| VILAS | BIG ST GERMAIN L | 1,617 | | 8 | 30 | 62 | 52 | 31 | 19 | 13 | 11 | 9 | 5 | 2 | 2 | 5 | | 4 | 1 | 2 | | | | | 256 | 344 | 3938.6 | 15.4 | 204 | 28 | 24 | 256 |
| VILAS | BIRCH L | 528 | | 4 | 4 | 11 | 7 | 7 | 2 | 1 | | 2 | 3 | 1 | 2 | | | | | | | | | | 45 | 45 | 647.0 | 14.4 | 2 | 11 | 32 | 45 |
| VILAS | BOULDER L | 524 | | | | 5 | 28 | 38 | 23 | 16 | 5 | 3 | | | | | | | | | | | | | 118 | 118 | 1735.6 | 14.7 | 111 | 4 | 3 | 118 |

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 | | Area | INCH GROUP | | | | | | | | | | | | | | | | | Total Meas. | Total Harv. | Total Inches | Mean Length | Male | Female | Unk. | Total Sexed | | | | | |
|------------------------|----------------------|--------|------------|----|----|-----|------|------|------|------|-----|-----|-----|-----|----|----|----|----|----|-------------|-------------|--------------|-------------|------|--------|--------|-------------|------|-------|-----|-----|-------|
| County | Lake | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | | 25 | 26 | 27 | 28 | 29 |
| VILAS | CLEAR L | 555 | | | | 2 | 14 | 34 | 23 | 16 | 14 | 10 | 5 | 3 | | | 1 | 1 | | | | 2 | | | 125 | 125 | 2007.3 | 16.1 | 104 | 7 | 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 | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | 1 | 26.5 | 26.5 | | 1 | | 1 |
| VILAS | L LAURA | 599 | | | | 12 | 13 | 14 | 18 | 10 | 4 | 6 | 6 | 1 | 2 | 1 | | | | | 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 | | | | | 1 | 5 | 6 | 11 | 11 | 8 | 6 | 3 | 1 | 3 | 1 | | | | | | | | 56 | 56 | 984.1 | 17.6 | 53 | 3 | | 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 | 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.

| Red Cliff | | Area | INCH GROUP | | | | | | | | | | | | | | | | | | | | | | | | | | Total Measured | Total Harvested | Total Inches | Mean Length | Male | Female | Unknown | Total Sexed |
|------------------|---------------------|-------|------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|--|---|--|-------|-------|----------------|-----------------|--------------|-------------|------|--------|---------|-------------|
| County | Lake | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | | | | | | | | | | | | |
| BAYFIELD | DIAMOND L | 341 | | | | | | 1 | 3 | 5 | 10 | 3 | 8 | | 2 | 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 | | | | | | | | 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. Croix | | Area | INCH GROUP | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total Measured | Total Harvested | Total Inches | Mean Length | Male | Female | Unknown | Total Sexed |
|------------------|-------------------|-------|------------|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|--|--|-------|-------|----------|--------|----------------|-----------------|--------------|-------------|------|--------|---------|-------------|
| County | Lake | | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | | | | | | | | | | | |
| 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 | 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 | | | | | | | | | 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 | | | | | | | | | | | | | | 4 | 4 | 77.8 | 19.5 | 4 | | | 4 | | | | |
| BARRON | UPPER TURTLE L | 438 | | | | 2 | 6 | 1 | 3 | 2 | 5 | 4 | 1 | 2 | | | 1 | | 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 | | | 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 | 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 | | | | | | | 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 | | | 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 | 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.

| Inch Group | Number of walleye in: | | | | | | | | | | | | | | | | | | 18 Year Total | Percent of Total | Cumulative Percent |
|---------------------|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|------------------|--------------------|
| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | | | |
| 5 | | | | | | | | 1 | | | | | 1 | 2 | | | | 4 | 0.0% | 0.0% | |
| 6 | | 1 | | | | | | 3 | | | | | 2 | | | | 2 | 8 | 0.0% | 0.0% | |
| 7 | | | | | | | | 1 | 2 | | | | 2 | 2 | | | 16 | 25 | 0.0% | 0.0% | |
| 8 | | | | 3 | 1 | 4 | 1 | 3 | 4 | 12 | | 6 | 16 | 25 | 5 | | 117 | 206 | 0.1% | 0.1% | |
| 9 | 2 | 3 | 17 | 10 | 4 | 14 | 36 | 34 | 45 | 63 | 32 | 39 | 79 | 104 | 20 | 33 | 738 | 14 | 1,287 | 0.4% | 0.5% |
| 10 | 5 | 49 | 123 | 121 | 60 | 183 | 229 | 243 | 245 | 386 | 219 | 233 | 372 | 505 | 162 | 169 | 1,930 | 177 | 5,411 | 1.6% | 2.0% |
| 11 | 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% | 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 | 247 | 939 | 1,666 | 2,311 | 1,919 | 2,295 | 2,031 | 1,696 | 1,993 | 2,517 | 2,703 | 2,605 | 2,548 | 2,443 | 2,286 | 3,235 | 1,175 | 2,928 | 37,537 | 11.1% | 77.2% |
| 17 | 172 | 801 | 1,374 | 1,658 | 1,390 | 1,862 | 1,687 | 1,207 | 1,323 | 1,796 | 1,756 | 1,664 | 1,580 | 1,819 | 1,643 | 2,294 | 753 | 2,108 | 26,887 | 7.9% | 85.1% |
| 18 | 145 | 458 | 1,113 | 1,297 | 1,010 | 1,288 | 1,216 | 878 | 812 | 1,120 | 1,159 | 970 | 1,129 | 1,094 | 1,003 | 1,402 | 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 | 18 | 23 | 116 | 134 | 76 | 160 | 151 | 129 | 120 | 189 | 164 | 120 | 142 | 134 | 165 | 154 | 63 | 126 | 2,184 | 0.6% | 98.3% |
| 24 | 11 | 9 | 86 | 124 | 67 | 100 | 111 | 85 | 101 | 145 | 158 | 111 | 105 | 90 | 93 | 119 | 57 | 105 | 1,677 | 0.5% | 98.8% |
| 25 | 7 | 10 | 76 | 89 | 48 | 107 | 102 | 66 | 80 | 98 | 109 | 97 | 98 | 81 | 87 | 82 | 37 | 90 | 1,364 | 0.4% | 99.2% |
| 26 | 9 | | 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 | 8 | 15 | 15 | 17 | 12 | 16 | 15 | 15 | 13 | 22 | 16 | 8 | | 17 | 249 | 0.1% | 100.0% |
| 30 | 11 | | 8 | 9 | 3 | 5 | 6 | 6 | 1 | 5 | 3 | 6 | 4 | 5 | 9 | 8 | | 3 | 92 | 0.0% | 100.0% |
| 31 | 6 | | 2 | | 2 | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 17 | 0.0% | 100.0% |
| 32 | 2 | | | | | | | | | | 1 | | | | | 1 | | | 5 | 0.0% | 100.0% |
| 33 | 1 | | | | | | | | | | | | | | | | | | 1 | 0.0% | 100.0% |
| 34 | | | | | | | | | | | | | | | | | | | | 0.0% | |
| 35 | | | | | | | | | | | | | | | | | | | | 0.0% | |
| 36 | | | | | | | | | | | | | | | | | | | | 0.0% | |
| 37 | | | | | | | | | | | | | | | | | | | | 0.0% | |
| Total No. Measured: | 1,868 | 6,842 | 14,224 | 19,368 | 13,254 | 18,500 | 18,551 | 18,226 | 19,903 | 21,726 | 24,605 | 22,999 | 21,399 | 24,204 | 23,371 | 26,984 | 20,639 | 22,931 | 339,594 | 100% | 100% |
| Total Length: | 30,382 | 106,051 | 226,789 | 306,926 | 211,645 | 295,047 | 291,543 | 275,331 | 301,713 | 335,322 | 375,476 | 348,750 | 327,444 | 363,297 | 354,052 | 415,478 | 320,102 | 354,158 | 5,239,506 | | |
| Average Length: | 16.3 | 15.5 | 15.9 | 15.8 | 16.0 | 15.9 | 15.7 | 15.1 | 15.2 | 15.4 | 15.3 | 15.2 | 15.3 | 15.0 | 15.1 | 15.4 | 15.5 | 15.4 | 15.4 | | |
| Total No. Speared: | 2,761 | 6,940 | 21,321 | 25,969 | 16,054 | 25,348 | 23,018 | 21,188 | 24,532 | 25,922 | 30,249 | 28,327 | 24,002 | 27,218 | 26,105 | 30,367 | 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 F. Number of muskellunge per inch group taken during spring spearing seasons from 1985-2002.

| Inch Group | Number of muskellunge in: | | | | | | | | | | | | | | | | | | 18 Year Total | Percent of Total |
|------------------------|---------------------------|--------|-------|--------|-------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|---------------|------------------|
| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | | |
| 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 | | | | | | | | | | 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 | | 1 | | | | | | | 1 | | | 1 | | | | | | | 5 | 0.1% |
| 25 | 1 | | 1 | | 1 | 1 | | | 2 | 1 | 1 | | | 1 | | | | 2 | 11 | 0.3% |
| 26 | | | | 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 | 2 | | 3 | 1 | 5 | 4 | 5 | 1 | 3 | 3 | 3 | 1 | 3 | 6 | 2 | | 1 | | 43 | 1.1% |
| 29 | 2 | 2 | 7 | 5 | 3 | 6 | 4 | 8 | 4 | 2 | 2 | 4 | 9 | 7 | 3 | 4 | | 4 | 76 | 1.9% |
| 30 | 8 | 3 | 4 | 6 | 6 | 15 | 6 | 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 | | 1 | 4 | 1 | 1 | 2 | 3 | 2 | 3 | 5 | 4 | 2 | 5 | 2 | 2 | | 4 | 3 | 44 | 1.1% |
| 49 | 1 | | 2 | 1 | 1 | 3 | 1 | | 2 | 3 | 1 | 3 | 2 | 1 | 2 | 3 | 2 | 3 | 31 | 0.8% |
| 50 | 1 | | | | 1 | | | 1 | | 1 | 1 | | | | 1 | 4 | 3 | 3 | 19 | 0.5% |
| 51 | | | | 1 | | 1 | | | | | | | 2 | | 1 | | | | 4 | 0.1% |
| 52 | | | | | | | | | | | | | | | | 1 | | | 1 | 0.0% |
| 53 | | 1 | | | | | | | | | | | | | | | | | 1 | 0.0% |
| Total Number Measured: | 68 | 55 | 180 | 158 | 117 | 298 | 185 | 162 | 187 | 243 | 297 | 318 | 333 | 271 | 275 | 325 | 233 | 217 | 3,922 | 100% |
| Total Length: | 2,407 | 1,994 | 6,507 | 5,805 | 4,175 | 10,761 | 6,725 | 5,845 | 6,822 | 9,034 | 11,072 | 12,117 | 12,521 | 9,966 | 10,356 | 12,338 | 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 Speared: | 86 | 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.

| Tribe | County | Lake | Area | Species | Number Harvested | Number Measured | Total Inches | Average Length | Number Per Acre |
|--------|----------|--------------------|-------|---------|------------------|-----------------|--------------|----------------|-----------------|
| LDF | ONEIDA | TOMAHAWK L CHAIN | 3552 | BAS | 3 | 3 | 47.4 | 15.8 | 0.0008 |
| STC | POLK | BIG ROUND L | 1015 | BAS | 11 | 11 | 184.6 | 16.8 | 0.0108 |
| LDF | VILAS | L LAURA | 599 | BAS | 2 | 2 | 31.1 | 15.6 | 0.0033 |
| Total: | | | 5166 | | 16 | 16 | 263.1 | 16.4 | 0.0050 |
| STC | BARRON | BEAVER DAM L | 1112 | LMB | 3 | 3 | 51.7 | 17.2 | 0.0027 |
| STC | BARRON | LOWER TURTLE L | 276 | LMB | 3 | 3 | 50.6 | 16.9 | 0.0109 |
| STC | BARRON | SAND L | 322 | 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 | LITTLE YELLOW L | 348 | LMB | 3 | 3 | 49.2 | 16.4 | 0.0086 |
| 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 | BIG ROUND L | 1015 | LMB | 45 | 43 | 656.1 | 15.3 | 0.0443 |
| STC | POLK | BONE L | 1781 | LMB | 1 | 1 | 16.8 | 16.8 | 0.0006 |
| 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 | 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 | LMB | 21 | 21 | 302.0 | 14.4 | 0.0396 |
| STC | WASHBURN | SHELL L | 2580 | LMB | 18 | 18 | 280.7 | 15.6 | 0.0070 |
| Total: | | | 18027 | | 118 | 116 | 1770.5 | 15.3 | 0.0091 |
| BRV | BAYFIELD | L OWEN | 1323 | SMB | 1 | 1 | 13.2 | 13.2 | 0.0008 |
| MLK | OCONTO | BOOT L | 235 | SMB | 1 | 1 | 16.5 | 16.5 | 0.0043 |
| 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 |
| 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 | 37.6 | 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 | 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 |
| 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.

| Inch Group | Number of bass in: | | | | | | | | | | | | | | | | | | 18 Year Total | Percent of Total |
|---------------------|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|---------------|------------------|
| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | | |
| 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. Measured: | 17 | 39 | 210 | 144 | 111 | 215 | 144 | 112 | 198 | 256 | 185 | 152 | 145 | 283 | 126 | 221 | 186 | 150 | 2,894 | 100% |
| Total Length: | 255 | 602 | 3,199 | 2,275 | 1,694 | 3,246 | 2,165 | 1,708 | 3,002 | 3,931 | 2,881 | 2,315 | 2,245 | 4,440 | 1,982 | 3,524 | 2,913 | 2,320 | 44,697 | |
| Average Length: | 15.0 | 15.4 | 15.2 | 15.8 | 15.3 | 15.1 | 15.0 | 15.3 | 15.2 | 15.4 | 15.6 | 15.2 | 15.5 | 15.7 | 15.7 | 15.9 | 15.7 | 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.

| Inch Group | Number of northern pike in: | | | | | | | | | | | | | | | | | | 18 Year Total | Percent of Total |
|---------------------|-----------------------------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|---------------|------------------|
| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | | |
| 10 | | | | | | | | | | | | | | | | | | | 0 | 0.0% |
| 11 | | | | | | | | | | | | | | | | | | | 0 | 0.0% |
| 12 | | 1 | | | | | | 1 | | | | | | | | | | | 2 | 0.4% |
| 13 | | | | 1 | | | | | | | | | | | | | | | 1 | 0.2% |
| 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 | 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 | | 1 | 1 | 1 | | 2 | 3 | 2 | 3 | | 1 | | 33 | 6.2% |
| 22 | | 2 | 3 | 2 | | 4 | 4 | 2 | 2 | 3 | 3 | | 3 | 3 | 5 | 4 | | 2 | 42 | 7.9% |
| 23 | | 1 | 2 | 2 | | 2 | 1 | 3 | 2 | 2 | 6 | 2 | 1 | 4 | 2 | 3 | | 3 | 36 | 6.7% |
| 24 | | 1 | 3 | 2 | | 3 | 6 | 1 | 3 | 2 | 1 | 1 | 1 | 4 | 1 | | 2 | 1 | 32 | 6.0% |
| 25 | | | 1 | 1 | | | 2 | 1 | | | 3 | 1 | 5 | 6 | 1 | 1 | | 2 | 24 | 4.5% |
| 26 | | | | 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 | 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 | 1 | 2 | | | 2 | 2 | 2 | 2 | 3 | | 22 | 4.1% |
| 33 | | 1 | | | 1 | 1 | 2 | 1 | | 2 | | 1 | 3 | 1 | 1 | 2 | 1 | 4 | 18 | 3.4% |
| 34 | | | | | | | 1 | 1 | | | 1 | 2 | 3 | 1 | 2 | 2 | 3 | | 17 | 3.2% |
| 35 | | | | | | | 1 | 1 | 1 | | 1 | | 1 | 3 | 5 | | 3 | | 15 | 2.8% |
| 36 | | 1 | | 2 | | 1 | 1 | 1 | | 1 | | | 1 | 1 | 1 | | | 10 | 1.9% | |
| 37 | | | | 1 | 1 | | | | 1 | | | | 2 | | | 4 | 4 | | 13 | 2.4% |
| 38 | | | | | 1 | | | | | 2 | | 1 | 2 | 1 | | | 1 | 8 | 1.5% | |
| 39 | | 1 | | 1 | | | | | 1 | | 1 | | | 1 | | | | 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 Length: | 0 | 312 | 724 | 1,152 | 334 | 776 | 986 | 453 | 527 | 792 | 744 | 693 | 987 | 1,660 | 583 | 1457 | 979 | 1189 | 14,346 | |
| Average Length: | NA | 26.0 | 25.9 | 25.6 | 23.9 | 24.2 | 24.6 | 25.2 | 27.7 | 27.3 | 26.6 | 26.7 | 28.2 | 27.2 | 25.3 | 27.0 | 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 Measured: | 0.0% | 92.3% | 68.3% | 76.3% | 100.0% | 94.1% | 97.6% | 60.0% | 100.0% | 96.7% | 87.5% | 86.7% | 94.6% | 89.7% | 79.3% | 100.0% | 100.0% | 97.5% | 88.4% | |