

# WISCONSIN'S 2008 LAKE SUPERIOR CREEL SURVEY REPORT

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## INTRODUCTION

A creel survey was conducted on Wisconsin waters of Lake Superior during the winter ice fishery (Jan. 22, 2008 to April 5, 2008) and during the open water fishery (Ice-out April 22, 2008 to September 30, 2008).

These surveys were designed to collect data on angler pressure, harvest and biological statistics. Five fishery types were surveyed.

1. Open water cold private (salmonids caught by non-charter parties).
2. Open water cool private (cool water species caught by non-charter parties).
3. Ice shallow water (less than 60 feet of water).
4. Ice cool water (targeting cool water species, i.e. northern pike, walleye, yellow perch).
5. Ice deep water, "bobbing" (60 feet and deeper).

Two additional fisheries were monitored using the results from mandatory reporting.

1. Charter fishery.
2. Sturgeon fishery.

This creel survey was designed to put special emphasis on the lake trout harvest in Wisconsin waters of Lake Superior. Due to budget restraints and to insure accuracy in the lake trout harvest, certain predominately cool water sites, as well as the shore fishery, were dropped from the survey to allow more time at cold water (lake trout) access areas. The data in this report is considered minimum numbers because of this.

## METHODS

### OPEN WATER PRIVATE

In 2008, a single loop time interval creel survey was conducted during the open water fishing season on Wisconsin waters of Lake Superior. Four creel clerks worked six different areas (Figure 1):

- One Route: Full Time. ½ Time – Cornucopia / Bark Point / Port Wing  
½ Time - Washburn (and Washburn Marina)
- One Route: Full Time. Superior (Barker's Island)
- One Route: ½ Time. Saxon

Due to budget restraints several routes could not be surveyed including Ashland, Bayfield, Little Sand Bay, Red Cliff and the December open water fishery. Data (angler trips, angler hours and lake trout harvest) for Ashland, Bayfield, Little Sand Bay, Red Cliff were derived by taking the percent change that occurred for Washburn from 2007 to 2008 and applying it to each port individually. December open water numbers were not extrapolated from known numbers due to the variability of the fishery. Each route consisted of various pressure sites the creel clerk checked. The sites selected and the amount of time spent at any given location was based on pressure counts from past years. The sites with the highest pressure were allotted a higher percentage of time to be checked during a route.

In a single loop time-interval creel, the clerk started and finished a route at the initial pressure site (i.e. one complete circuit). The initial pressure site, as well as the direction of travel, changed randomly according to computer generated schedules (Appendix I).

Using the time interval procedure, vehicles with boat trailers and harbor boats were counted at each access site. Boats going out to fish or coming in from fishing were counted as a fraction of the time the clerk spent at the site [i.e. boat pressure = (creel shift in minutes – minutes at site) / creel shift in minutes]. A boat starting to fish was added to the initial pressure and a boat stopping or coming in from fishing was subtracted from the initial pressure. An example of a time interval pressure worksheet is shown in Appendix II.

The open water creel routes, start times, stop times, etc. are shown in Appendix III.

Boats returning from fishing were interviewed at the site. Total number of anglers on board was treated as an angler party. The type of fishery they were involved in was recorded. If the boat was fishing for cool water species such as northern pike, walleye, perch, smallmouth bass in a predominately cool water area, it was recorded as "open water cool private". If the boat was fishing trout or salmon, it was recorded in "open water cold private". If the boat was fishing for "anything that bites", the area the boat fished would determine which category to place the boat in. Finally, if the boat did not fish at all it was placed in the category "pleasure". Charter boats were not counted in pressure at a site due to mandatory reporting. Sailboats were also excluded from the pressure unless fishing gear (downriggers or rods) was present. The state waters that the boat fished in were determined. Areas such as Saxon Harbor and Superior are adjoining boundary waters. Computer programming in the final estimation of total harvest eliminated fish caught in waters other than Wisconsin. Boats that fished both states' waters had half the total catch assigned to Wisconsin waters.

The fish caught (if any) by the boat were identified and measured to the nearest tenth of an inch. Fin-clips were recorded as well as any tags that were present. An interview sample sheet is shown in Appendix IV.

Pressure and harvest estimates were calculated by route, month, weekday and weekend variables, as well as the type of fishery the anglers were involved in (i.e. open water cold, open water cool etc.). The open water creel survey data was calculated using SAS statistical computer program.

**ICE CREEL**

An ice fishery creel survey was conducted from the main shore from Washburn ("S" Curve) north through Bayfield, Red Cliff, Raspberry Bay and Cornucopia. Madeline Island was surveyed when the ice road was open to safe travel (Figure 1). Due to budget restraints and the variability of the fishery the western waters of Lake Superior and Saxon waters were not surveyed. The ice fishery creel survey was conducted starting when lake trout waters were accessible out of Bayfield(1/22/08).The pressure estimate was done by the stratified creel survey method (Appendix V). Two separate vehicle counts were made daily at approximately 9:00 AM and 2:00 PM for each site in a given random route. Vehicles present in morning and afternoon checks were not counted twice. An ice pressure sample sheet is shown in Appendix VI. Interviews for the ice fishery creel were conducted in the same manner as the open water method. The number of anglers in a vehicle was considered an angling party. Anglers involved in the ice fishery were separated into three different fisheries: ice shallow water, ice cool water and ice "bobbing". Ice shallow water is considered fishing in waters less than 60 feet for salmonids, coregonids and smelt. Ice cool water is considered fishing for cool water species (yellow perch, walleye, northern pike, etc.). Ice "bobbing" is considered fishing in water deeper than 60 feet or more (mainly for lake trout and whitefish).

The ice fishing pressure and harvest rates were separated by month, weekend and weekday variables, as well as the type of fishery in which the anglers were involved.

**CHARTER**

Harvest estimates for guided charters came from mandatory monthly reports that were initiated in 1973. Information on number of anglers, hours fished, location (grid), and number of various species harvested was included in the monthly catch report (Appendix VII).

**STURGEON**

Harvest estimates on lake sturgeon were taken from mandatory registration. Pressure estimates were not available due to the incidental nature of the fishery. Starting Jan. 1, 2005 hook and line Sturgeon angler tags were issued through the ALIS license system replacing the old metal tag system.

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 The total number of lake trout harvested during the 2008 fishing year by sport angling was calculated using a weighted mean. Extraction of this number was done by fishery type, fishing port, harvest estimate, month, average length and percent of native origin fish. Weight extrapolated from the total harvest of this species was calculated using the length-weight regression equations from the DNR 2004-2008 spring lake trout assessment and summer index assessment. The regression equations are as follows:

<p><b>NATIVE ORIGIN</b></p> <p>Ln(weight grams) = -12.008 + 3.045 (Ln length mm)</p> <p>Observation = 644</p>	<p><b>HATCHERY ORIGIN</b></p> <p>Ln(weight grams) = -13.184 + 3.237 (Ln length mm)</p> <p>Observations = 193</p>
<p><b>NATIVE AND HATCHERY ORIGIN</b></p> <p>Ln(weight grams) = -12.266 + 3.087 (Ln length mm)</p> <p>Observations = 837</p>	

Weights for other species were calculated using regression equations from data collected on various DNR assessment from 1998-2008. Weights for Chinook salmon were estimated using the Minnesota DNR Investigational Report # 382, Growth and Fecundity of Chinook salmon in Western Lake Superior (July 1985).Please see Appendix VIII for individual regression equation.

## RESULTS

### **OPEN WATER COLD PRIVATE**

**EFFORT** – During 2008, an estimated 30,570 individual angler trips and 154,901 angler hours were spent pursuing cold water species (trout and salmon) in Wisconsin waters of Lake Superior (Table 1). Of the four areas surveyed Superior (Barker's Island) had the highest pressure with 5,869 angler trips and 30,078 angler hours. This effort has increased over the last two years and is consistent with effort from 2002-2005. Washburn's effort was second with 4,358 angler trips and 21,978 angler hours. This was a slight increase over 2007 effort of 3,534 angler trips and 18,472 angler hours, but down from the average effort from 1992-08 (6,955 angler trips and 33,367 angler hours). Cornucopia / Port Wing's effort was third with 4,350 angler trips and 19,397 angler hours, the lowest effort since 2000. Saxon's effort was fourth with 3,469 angler trips and 16,396 angler hours, down slightly from 2007 effort of 3,882 angler trips and 19,571 angler hours (Table 2).

**HARVEST** – An estimated 13,975 fish were harvested in the four areas surveyed. Lake trout continues to be the most abundant species harvested accounting for 56.9% of the total harvest with 7,948 (Table 3). Lake trout harvest was the highest out of the Superior with a harvest of 2,426, followed by Saxon (1,969), Corny/Port Wing (1,833) and Washburn (1,720)(Table 1). Superior and Washburn recorded their highest lake trout harvest since 2005 (Superior 3,073 and Washburn 2,418)(Table 4, 5). Saxon and Corny / Port Wing recorded their lowest lake trout harvest since 2002 (Saxon 1,968 the fourth year of decline) and 2000 (Corny / Port Wing 1,786) (Table 6, 7).

Coho salmon were the second most harvested species accounting for 19.9% of the harvest with 2,777 Coho. Average size coho in this fishery was 17.1". Walleye ranked third with 1,174 fish harvested accounting for 8.4% of the harvest. Average size of walleye was 20.1". The majority (1,107 of 1,174 total) of the walleye harvest in this fishery occurs out of the Port of Superior. Chinook salmon ranked third with 925 fish harvested accounting for 6.6% of harvest. Average size Chinook was 20.8". Brown trout ranked fourth with 746 fish for 5.3% No other fish species accounted for more than 1.5% of the harvest (Table 3).

Harvest of native origin lake trout in all areas surveyed accounted for 84.1% of the total lake trout harvest in this fishery, the lowest since 2002(82.1%). Percent native lake trout harvest was highest out of Saxon Harbor with 98.9%, followed by Ashland / Bayfield / Washburn (98.0%), Corny / Port Wing (82.9%) and Superior (63.1%) (Table 8). In this fishery the average size lake trout was 22.1" (Native origin average size was 22.1", Hatchery origin average size was 22.0") (Table 9).

Separating the estimated lake trout harvest of 18,122 by management zone in this fishery, 3,716 lake trout were harvested in WI-1 and 14,406 lake trout were harvested in WI-2 (Table 9).

**HARVEST RATES** - The overall harvest rate for all species, in this fishery, of the four areas surveyed was highest out of Corny / Port Wing (0.18 fish/hour), followed by Superior (0.16 fish/hour), Saxon (0.15 fish/hour) and Washburn (0.13 fish/hour). Corny / Port Wing harvest rate was the highest since 2002 (0.18 fish/hour), Saxon harvest rate was the lowest since 1996 (0.15 fish/hour), Superior and Washburn were consistent with previous years. Lake trout harvest rates were highest out of Saxon with 0.10 LT/hour, which was the lowest since 1995. Corny / Port Wing was second with 0.09 LT/hour the second lowest since 1999 (0.09 LT/hour), Washburn and the Port of Superior were tied for third with 0.08 LT/hour, consistent with previous years (Table 10-13).

Lake trout harvest rates (LT/angler hour) during the months of June – August (the peak of the LT season) was highest out of Saxon (0.131) followed by Corny / Port Wing (0.113), Washburn (0.098), and Superior (0.078). Saxon rate was the lowest since 1996 (0.118). The other three areas were consistent with previous years. All areas surveyed had a combined LT harvest rate of 0.101 LT/hour (Table 14).

### **OPEN WATER COOL PRIVATE**

This creel survey was designed to put special emphasis on the lake trout harvest in Wisconsin waters of Lake Superior. Due to budget restraints and to insure accuracy in the lake trout harvest, certain predominately cool water sites(Ashland-Chequamegon Bay) as well as the shore fishery, were dropped from the survey to allow more time at cold water (lake trout) access areas. The data in this report is considered minimum numbers because of this.

**EFFORT** – During 2008, an estimated 5,123 individual angler trips and 18,779 angler hours were spent pursuing cool water species (walleye, smallmouth bass, northern pike, yellow perch, etc) in the surveyed areas (Table 1). The majority of this fishery in the Wisconsin waters of Lake Superior occurs in Chequamegon Bay and the Superior (Barker's Island) entry. Of the four areas surveyed Superior had the highest cool water effort with 4,225 angler trips and 15,359 angler

hours, this was down slightly from the last year but consistent with previous years.) Washburn's effort was second with 725 angler trips and 2,641 angler hours, the lowest effort since 2002 (645 angler trips, 2,258 angler hours) (Table 15). Corny /Port Wing cool water effort had 173 angler trips and 779 angler hours, this effort mainly occurs in Bark Bay. The cool water effort surveyed out of Saxon occurred from anglers fishing the Bad River; this effort was not reported in this report.

**HARVEST and HARVEST RATES** – During 2008, an estimated 1,812 fish were harvested in the cool water fishery in the four areas surveyed. Superior had the highest harvest with 1,687 fish followed by Washburn (116) and Corny /Port Wing (9)(Table 1). Walleyes had the highest harvest with 1,495 fish, this accounted for 82.5% of the cool water harvest. Walleye harvest was highest out of Superior with a harvest of 1,428(Table 1). The harvest rate was highest out of Superior with 0.11 fish/hour; this was the lowest since the year 2000. Washburn was second with 0.04 fish/hour, Corny / Port Wind was third with 0.01 fish / hour (Table 16-19).

## **ICE FISHERY**

The 2008 ice fishing season started from various locations off of Ashland on December 2, 2007, approximately December 12, 2007 from the Washburn Coal Dock, and "bobbing" started approx. Jan 22 off of Bayfield and Red Cliff. Bobbing out of Cornucopia occurred from about Feb. 2, 2008 to March 23, 2008. The Western end of Lake Superior and Saxon had limited safe ice conditions but were not surveyed due to budget restraints. All fishing activity went through about April 6, 2008. Overall, ice conditions were very good to excellent, with "bobbing" occurring in the outer islands (Stockton, Cat, Outer). The ice fishery creel survey started when lake trout waters were accessible out of Bayfield (1/22/08) and was conducted from the main shore from Washburn ("S" Curve) north through Bayfield, Red Cliff, Raspberry Bay and Cornucopia. The data from the shallow water and cool water creel should be considered the minimum due to the creel survey starting 4-6 weeks after these two fisheries started. Caution should be used when comparing ice fishery data from year to year due to the variability of ice formation / conditions from one year to the next.

## **ICE SHALLOW WATER**

**WASHBURN / BAYFIELD-** An estimated 2,957 angler trips and 17,248 angler hours were recorded in this shallow water fishery. This was the highest effort surveyed since 2001(angler trips 3,481) and 2000(24,184 angler hours) (Table 20). This effort resulted in an estimated harvest of 1,876 fish (Table 1). Coho salmon (442) was the number one species harvested, splake (396) was second, brown trout (373) third, lake whitefish (352) fourth and smelt (152) fifth. The overall harvest rate in this fishery was 0.109 fish/hour (Table 21).

**CORNUCOPIA / BARK BAY-** A limited shallow water fishery occurs in Bark Bay with anglers targeting mainly northern pike. An estimated 11 angler trips and 30 angler hours resulted in no fish harvested (Table 1).

## **ICE COOL WATER**

**WASHBURN / BAYFIELD-** A limited cool water fishery exists off the Washburn / Bayfield areas with anglers targeting mainly yellow perch. An estimated 30 angler trips and 152 angler hours resulted in no fish harvested (Table 1).

**CORNUCOPIA / BARK BAY-** A limited cool water fishery exists off of Bark Bay this year. An estimated 10 angler trips and 41 angler hours resulted in no fish harvested (Table 1).

## **ICE DEEP WATER BOBBING**

**APOSTLE ISLANDS (INCL. MADELINE ISLAND)** - Overall, ice conditions for "bobbing" were very good - excellent with anglers fishing around the outer islands. An estimated 5,412 angler trips and 33,548 angler hours resulted in an estimated harvest of 5,708 fish in this deep-water fishery (Table 1). Angler trips and angler hours were both higher than last year's pressure and higher than the average since 1991 (Table 20). Lake trout (3,971) was the number one species harvested in this fishery. This accounted for 69.6% of the "bobbing" harvest. Whitefish ranked second with 1,271 fish harvested for 22.3% of the harvest and coho salmon third with 231 fish (4.0%), and siscowets (fats) fourth 123 fish (2.2%) (Table 22). Overall harvest rate of 0.170 fish per hour was down from last years record high and the lowest since 2004 (0.170), and below the 1995-2008 average of 0.226 fish / hour. The lake trout harvest rate 0.118 LT / hour was the lowest since 2004 (0.106) and below the 1995-2008 average of 0.132 LT / hour (Table 23). The average size lake trout in this fishery for native origin lake trout was 22.8" and for hatchery origin lake trout 23.0" (Table 9).

**CORNUCOPIA / BARK BAY-** An estimated 354 angler trips and 2,163 angler hours and resulted in an estimated harvest of 414 fish (all lake trout) (Table 1). The overall harvest rate and lake trout harvest rate was 0.191 fish / hour. The effort in 2008 was the highest since 2004 (586 angler trips and 3,086 angler hours) while the harvest rates were highest since 2001(0.223 fish /hour and 0.211 LT / hour) (Table 23).

## **CHARTER FISHERY**

**EFFORT** - Twenty two licensed charter captains were active during the 2008 open water season on the Wisconsin waters of Lake Superior, the lowest since 1983(20). The number of anglers (1,320) and the number of angler hours (7,961.5) was the lowest since 1973 when mandatory Charter reporting started (Table 24). This was the second year in a row with record lows. Ashland / Bayfield / Washburn had the most effort with 676 angler trips and 3,914.5 angler hours, second was Superior with 302 angler trips and 2,011 angler hours, third was Saxon with 237 angler trips and 1,539 angler hours and last was Corny / Port Wing with 105 angler trips and 497 angler hours. All areas had record lows except Saxon and Superior (2<sup>nd</sup> lowest) (Table 25-28).

**HARVEST RATES** - The overall harvest rate was 0.26 fish per hour and the lake trout harvest rate was 0.23 LT / hour. The overall harvest rate was the lowest since 1997(0.26), while the LT harvest rate was the same as 2007 and was consistent with previous years (Table 24). Cornucopia / Port Wing had the highest overall harvest rate with 0.47 fish / hour. The Ashland / Bayfield / Washburn areas were second with 0.26 fish / hour, third was Superior with 0.25 fish / hour and Saxon last with 0.21 fish / hour. Corny / Port Wing overall harvest rate of 0.47 was their highest all time. Ashland / Bayfield / Washburn overall harvest rate of 0.26 was the fourth year in a row with declining rates. Saxon and Superior were consistent with previous years. The Lake trout harvest rate was highest in Corny / Port Wing with 0.37 LT / hour (highest since 2000, 0.38 LT/hour), Ashland / Bayfield / Washburn and Superior was second with 0.22 LT / hour and Saxon was last with 0.20 LT / hour. Ashland / Bayfield / Washburn lake trout harvest rate of 0.22 was the lowest since 1996(0.20 LT / hour), Superior lake trout harvest rate of 0.22 was consistent with previous years and above the average since 1988 of 0.18 LT / hour. Saxon lake trout harvest rate of 0.20 was consistent with previous years but below the average since 1988 of 0.24 LT / hour) (Table 25-28).

**HARVEST** – The overall harvest of 2,061 fish and the lake trout harvest of 1,813 were both all time lows for the second year in a row (Table 24). Lake trout remain the number one harvested fish in this fishery, comprising 88.0% (1,813) of the overall harvest. coho salmon were distant second with 134 fish for 6.5% of the harvest. Brown trout and Chinook salmon were third with 46 fish each for 2.2% of the harvest (Table 29). Lake trout harvest was highest out of Ashland / Bayfield / Washburn with 873 lake trout, their lowest all time, Superior was second (442), Saxon third (312) and Corny / Port Wing fourth (186) (Table 25-28).

## **LAKE STURGEON FISHERY**

Very few fishermen actually target sturgeon in Wisconsin waters of Lake Superior. The bulk of the harvest is incidental and occurs in Chequamegon Bay when angler pressure is at its height (ice fishery and the first month of open water). Harvest information is obtained from mandatory registration of angler caught sturgeon. In 2007, one sturgeon was registered, 51.0" and 38 lbs (Table 33). Effort is unknown.

## **ACKNOWLEDGEMENTS**

I would like to give thanks to the creel clerks. They not only work hard at obtaining accurate data for the census, but they play an important role in public relations for the Department. Their efforts are greatly appreciated. The creel clerks involved for this report were: Mark Hanson (Open Water: Washburn, Corny / Port Wing; Winter Creel), Dean Kolpin (Saxon Harbor) and Brian Minor (Superior). I would also like to thank Mike Seider for editing this report.

**TABLE 1. 2008 CREEL SURVEY STATISTICS (ESTIMATED ANGLER TRIPS, ANGLER HOURS AND HARVEST BY FISHERY)**

FISHERY TYPE	ANGL. TRIPS	ANGL. HOURS	BRWN			BROOK			MEN			BUR-			BLK. CRP	ROCK BASS	DRUM	BLHD CATF	TOTAL HRVST			
			LKT	COHO	CHIN.	TROUT	SPLK	RBT	TROUT	FATS	WF	WF	HERR	BOT						SMELT	NOP	WAE
WSHB/BYF SHAL.	2,957	17,248	82	442		373	396				352		46	6	152		27				1,876	
WSHB/BYF COOL	30	152																			0	
BOBBING APOS.ISL.	5,412	33,548	3,971	231		16	28			123	1,271		30	38							5,708	
CORNY. SHAL.	11	30																			0	
CORNY. COOL	16	124																			0	
CORNY. BOBB.	354	2,163	414																		414	
<b>TOTAL</b>	<b>8,780</b>	<b>53,265</b>	<b>4,467</b>	<b>673</b>	<b>0</b>	<b>389</b>	<b>424</b>	<b>0</b>	<b>0</b>	<b>123</b>	<b>1,623</b>	<b>0</b>	<b>76</b>	<b>44</b>	<b>152</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,998</b>
AVE. LENGTH(INCH)			22.4	14.9		21.3	17.6			23.5	19.7		17.7	24.5	5.8		7.8					

CHARTER																						
ASH.BAYF.WASH.	676	3,914.5	873	76	11	38	9	3		1	1											1,012
CORN. - PORT W.	105	497	186	24	16	5		4								1						236
SAXON	237	1,539	312	5		2																319
SUPERIOR	302	2,011	442	29	19	1										3						494
<b>TOTAL</b>	<b>1,320</b>	<b>7,961.5</b>	<b>1,813</b>	<b>134</b>	<b>46</b>	<b>46</b>	<b>9</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,061</b>

OPEN WATER COLD ** NUMBERS DERIVED FROM PREVIOUS YEARS**																						
* ASHLAND *	3,538	21,978	3,199																			3,199
* BAYFIELD *	5,872	27,126	3,932																			3,932
CORN.-PORT W.	4,350	19,397	1,833	1,112	150	241				184						45						3,565
* L. SAND BAY *	2,178	12,449	1,742																			1,742
* RED CLIFF *	936	5,499	1,301																			1,301
SAXON	3,469	16,396	1,969	356	47	117	4					2			5	16						2,516
SUPERIOR	5,869	30,078	2,426	725	612	41		26		12					13	1,107						4,962
WASHBURN	4,358	21,978	1,720	584	116	347	81	30		19			13		16	6						2,932
<b>TOTAL</b>	<b>30,570</b>	<b>154,901</b>	<b>18,122</b>	<b>2,777</b>	<b>925</b>	<b>746</b>	<b>85</b>	<b>56</b>	<b>0</b>	<b>215</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>1,174</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,149</b>
AVE. LENGTH(INCH)			22.1	17.1	20.8	20.7	17.6	23.4		23.3			13.7			27.7	20.1					

OPEN WATER COOL																							
CORN. - PORT W.	173	779														9						9	
SAXON	0	0																				0	
SUPERIOR	4,225	15,359	55												57	1,428	83	40	3	6	15	1,687	
WASHBURN	725	2,641		18		19									12	67						116	
<b>TOTAL</b>	<b>5,123</b>	<b>18,779</b>	<b>55</b>	<b>18</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>1,495</b>	<b>83</b>	<b>40</b>	<b>3</b>	<b>6</b>	<b>15</b>	<b>1,812</b>
AVE. LENGTH(INCH)			18.8	14.9		17.7									27.8	18.2	9.9	11.2	8.7	18.2	20.2		

<b>WI - 1 TOTALS</b>	13,546	61,518	4,378	1,709	774	197	0	28	0	122	0	0	0	0	0	70	2,584	83	40	3	6	15	10,009
<b>WI - 2 TOTALS</b>	32,247	173,388.5	20,079	1,893	197	1,003	518	35	0	217	1,624	0	91	44	152	42	89	27		0	0	0	26,011
<b>GRAND TOTAL</b>	<b>45,793</b>	<b>234,906.5</b>	<b>24,457</b>	<b>3,602</b>	<b>971</b>	<b>1,200</b>	<b>518</b>	<b>63</b>	<b>0</b>	<b>339</b>	<b>1,624</b>	<b>0</b>	<b>91</b>	<b>44</b>	<b>152</b>	<b>112</b>	<b>2,673</b>	<b>110</b>	<b>40</b>	<b>3</b>	<b>6</b>	<b>15</b>	<b>36,020</b>
<b>AVE. LENGTH (IN)</b>			22.2	16.7	20.4	20.8	17.6	23.4		23.4	19.7		17.0	24.5	5.8	27.8	19.0	9.4	11.2	8.7	18.2	20.2	
<b>AVE. WEIGHT (LBS)</b>			3.23	1.63	2.97	3.66	1.91	4.94		3.87	2.44		1.26	4.38	--	4.63	2.24	0.36	--	--	--	--	
<b>TOTAL WEIGHT</b>			78,996	5,871	2,884	4,392	989	311		1,312	3,963		115	193	5.5	519	5,988	40	--	--	--	--	
<b>SAMPLE SIZE</b>			1,622	529	182	146	50	9		38	115		10	6	12	16	531	17	8	1	1	3	

STURGEON: 2 FISH REGISTRATED. EFFORT UNKNOWN.

**TABLE 2  
ESTIMATED ANGLER EFFORT(ANGLER TRIPS AND ANGLER HOURS) BY AREA IN WISCONSIN WATERS  
OF LAKE SUPERIOR OPEN WATER COLD PRIVATE 1992-2008.**

ANGLER TRIPS																		
AREA	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	AVERAGE
ASHLAND	3,467	1,021	2,941						2,193					4,233		2,869		<b>2,787</b>
BAYFIELD			3,815						4,818							4,762		<b>4,465</b>
CORN. - PORT W.	5,554	6,295	6,646	6,486	4,030	3,392	6,888	5,792	3,664	6,913	6,351	6,848	6,979		6,153		4,350	<b>5,756</b>
LITTLE SAND BAY			317													1,766		<b>1,042</b>
RED CLIFF																759		<b>759</b>
SAXON HARBOR	2,242	4,020	4,462	3,587	3,015	4,510	3,454	3,641	3,758	3,391	3,708	3,308	4,976	4,882	3,607	3,882	3,469	<b>3,760</b>
SUPERIOR	7,630	9,728	7,640	7,745	6,495	4,500	4,300	5,271	4,050		6,586	5,387	5,883	6,831	3,462	5,108	5,869	<b>6,030</b>
WASHBURN	9,252	6,891	7,925	7,256	6,120	5,967	8,257	12,337	9,744	7,774	8,463	5,232	5,812	5,130	4,190	3,534	4,358	<b>6,955</b>
<b>TOTAL</b>	<b>28,145</b>	<b>27,955</b>	<b>33,746</b>	<b>25,074</b>	<b>19,660</b>	<b>18,369</b>	<b>22,899</b>	<b>27,041</b>	<b>28,227</b>	<b>18,078</b>	<b>25,108</b>	<b>20,775</b>	<b>23,650</b>	<b>21,076</b>	<b>17,412</b>	<b>22,680</b>	<b>18,046</b>	

ANGLER HOURS																		
AREA	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	AVERAGE
ASHLAND	16,658	5,940	16,186						11,943					20,556		15,120		<b>14,401</b>
BAYFIELD			21,528						24,895							27,124		<b>24,516</b>
CORN. - PORT W.	26,707	25,798	28,284	26,971	18,493	15,295	26,983	26,891	15,489	29,656	29,443	31,388	31,070		26,068		19,397	<b>25,196</b>
LITTLE SAND BAY			1,345													10,463		<b>5,904</b>
RED CLIFF																4,622		<b>4,622</b>
SAXON HARBOR	10,257	21,627	23,423	17,714	15,566	22,653	16,196	17,921	18,436	17,358	15,791	16,152	23,479	22,185	17,993	19,571	16,396	<b>18,395</b>
SUPERIOR	43,734	58,215	41,718	41,424	37,674	23,454	21,634	25,692	19,219		33,027	25,434	29,773	31,569	16,263	25,126	30,078	<b>31,502</b>
WASHBURN	48,185	36,428	37,729	35,750	26,588	26,133	35,275	56,503	48,631	38,769	37,015	24,277	29,253	25,849	20,402	18,472	21,978	<b>33,367</b>
<b>TOTAL</b>	<b>145,541</b>	<b>148,008</b>	<b>170,213</b>	<b>121,859</b>	<b>98,321</b>	<b>87,535</b>	<b>100,088</b>	<b>127,007</b>	<b>138,613</b>	<b>85,783</b>	<b>115,276</b>	<b>97,251</b>	<b>113,575</b>	<b>100,159</b>	<b>80,726</b>	<b>120,498</b>	<b>87,849</b>	

**TABLE 3**  
**WISCONSIN'S LAKE SUPERIOR. OPEN WATER COLD PRIVATE ESTIMATED HARVEST 1997 - 2008.**  
(PERCENT OF TOTAL HARVEST PER YEAR IN PARENTHESES)

YEAR	LAKE TROUT	COHO SALMON	CHINOOK SALMON	BROWN TROUT	SPLAKE	RAINB. TROUT	ATL. SAL.	BROOK TROUT	FATS	WHITE FISH	HERR	MULE	BURBOT	PINK SAL.	MUSKY	NOP	SMB	WAE	YEP	TOTAL HRVST
<b>1997</b>	12,035	3,121	1,234	594	335	50			247	6	38					56		481		<b>18,197</b>
<b>D</b>	(66.1%)	(17.2%)	(6.8%)	(3.3%)	(1.8%)	(0.3%)			(1.4%)	(0.0%)	(0.2%)				(0.3%)		(2.6%)			
<b>1998</b>	18,281	1,442	719	541	213	65	11		608	3	19					97		737		<b>22,736</b>
<b>D</b>	(80.4%)	(6.3%)	(3.2%)	(2.4%)	(0.9%)	(0.3%)	(0.0%)		(2.7%)	(0.0%)	(0.1%)				(0.4%)		(3.2%)			
<b>1999</b>	13,243	8,267	1,885	1,099	503	135			330	35	23					215		578		<b>26,313</b>
<b>D</b>	(50.3%)	(31.4%)	(7.2%)	(4.2%)	(1.9%)	(0.5%)			(1.3%)	(0.1%)	(0.1%)				(0.8%)		(2.2%)			
<b>2000</b>	14,001	3,596	1,219	1,227	374	101	18	18	150	25	12					138		220		<b>21,099</b>
<b>E</b>	(66.4%)	(17.0%)	(5.8%)	(5.8%)	(1.8%)	(0.5%)	(0.1%)	(0.1%)	(0.7%)	(0.1%)	(0.1%)				(0.7%)		(1.0%)			
<b>2001</b>	9,339	2,230	552	732	158	127			59	9						71		53		<b>13,330</b>
<b>F</b>	(70.1%)	(16.7%)	(4.1%)	(5.5%)	(1.2%)	(1.0%)			(0.4%)	(0.1%)					(0.5%)		(0.4%)			
<b>2002</b>	9,954	3,223	1,492	441	87	75			371	12	5	21				63		2,271	102	<b>18,117</b>
<b>D</b>	(54.9%)	(17.8%)	(8.2%)	(2.4%)	(0.5%)	(0.4%)			(2.0%)	(0.1%)	(0.0%)	(0.1%)			(0.3%)		(12.5%)	(0.6%)		
<b>2003</b>	8,647	1,242	1,012	336	66	51			163	85	34					68		2,474		<b>14,178</b>
<b>D</b>	(61.0%)	(8.8%)	(7.1%)	(2.4%)	(0.5%)	(0.4%)			(1.1%)	(0.6%)	(0.2%)				(0.5%)		(17.4%)			
<b>2004</b>	12,797	2,793	1,231	453	72	132		12	669							26		1,804		<b>19,989</b>
<b>D</b>	(64.0%)	(14.0%)	(6.2%)	(2.3%)	(0.4%)	(0.7%)		(0.1%)	(3.3%)						(0.1%)		(9.0%)			
<b>2005</b>	13,877	2,551	716	271	132	56			61		16					86		793		<b>18,559</b>
<b>G</b>	(74.8%)	(13.7%)	(3.9%)	(1.5%)	(0.7%)	(0.3%)			(0.3%)		(0.1%)				(0.5%)		(4.3%)			
<b>2006</b>	7,204	1,751	368	480	99	97			409	22				33		33		403		<b>10,899</b>
<b>D</b>	(66.1%)	(16.1%)	(3.4%)	(4.4%)	(0.9%)	(0.9%)			(3.8%)	(0.2%)				(0.3%)		(0.3%)		(3.7%)		
<b>2007</b>	11,428	5,595	952	1,634	79	80		20	72		7					18		638		<b>20,523</b>
<b>H</b>	(55.7%)	(27.3%)	(4.6%)	(8.0%)	(0.4%)	(0.4%)		(0.1%)	(0.4%)		(0.0%)				(0.1%)		(3.1%)			
<b>2008</b>	7,948	2,777	925	746	85	56			215		15					34		1,174		<b>13,975</b>
<b>D</b>	(56.9%)	(19.9%)	(6.6%)	(5.3%)	(0.6%)	(0.4%)			(1.5%)		(0.1%)				(0.2%)		(8.4%)			

A - ASHLAND(KREHER PARK, MARINA), CORN./PORT WING, SAXON SUPERIOR, WASHBURN.

B - ASHLAND(KREHER PARK, MARINA, SECOND LAND.), CORN./PORT WING, SAXON, SUPERIOR, WASHBURN.

C - ASHLAND(KREHER PARK, MARINA, SECOND LAND.), BAYFIELD, CORN./PORT WING, SAXON, SUPERIOR, WASHBURN.

D- CORN./PORT WING, SAXON, SUPERIOR, WASHBURN.

E- ASHLAND(KREHER PARK, MARINA), BAYFIELD, CORN./PORT WING, SAXON, SUPERIOR, WASHBURN.

F- CORN./PORT WING, SAXON, WASHBURN.

G- ASHLAND(KREHER PARK, MARINA, SECOND LAND.), SAXON, SUPERIOR, WASHBURN.

H- ASHLAND(KREHER PARK, MARINA, SECOND LAND.),BAYFIELD, LITTLE SAND BAY, RED CLIFF, SAXON, SUPERIOR, WASHBURN.



**TABLE 4**  
**WISCONSIN'S LAKE SUPERIOR. PRIVATE OPEN WATER-COLD FISHERY HARVEST 1988 - 2008.**  
**PORT OF SUPERIOR**  
(PERCENT OF TOTAL HARVEST PER YEAR IN PARENTHESES)

YEAR	LAKE TROUT	COHO SALMON	CHINOOK SALMON	BROWN TROUT	RAINB. TROUT	ATLAN. SAL.	SPLAKE	BROOK TROUT	FATS	HERR	BURBOT	SMELT	MUSKY	NOP	WAE	YEP	TOTAL HARVEST
<b>1988</b>	5,155	2,236	2,461	22	72	13			62						142		<b>10,163</b>
<b>1989</b>	3,920	1,808	1,901	83	139	46		4	67			5			312		<b>8,285</b>
<b>1990</b>	2,932	321	881	83	43	7	7		122					5	369		<b>4,770</b>
<b>1991</b>	3,235	598	674	194	77	10			125					20	3,553		<b>8,486</b>
<b>1992</b>	2,587	185	896	69	14	67			163					20	2,459		<b>6,460</b>
<b>1993</b>	3,830	741	1,566	203	69	11			165	11	16			71	2,953		<b>9,636</b>
<b>1994</b>	1,962	354	390	34					55					34	759		<b>3,588</b>
<b>1995</b>	2,268 (45.6%)	1,316 (26.4%)	786 (15.8%)	33 (0.7%)	28 (0.6%)	18 (0.4%)	9 (0.2%)	12 (0.2%)	247 (5.0%)				9 (0.2%)		252 (5.1%)		<b>4,978</b>
<b>1996</b>	1,488 (40.2%)	317 (8.6%)	1,024 (27.7%)	116 (3.1%)	26 (0.7%)				55 (1.5%)						676 (18.3%)		<b>3,702</b>
<b>1997</b>	743 (31.8%)	333 (14.3%)	659 (28.2%)	101 (4.3%)	2 (0.1%)				50 (2.1%)						446 (19.1%)		<b>2,334</b>
<b>1998</b>	1,359 (54.9%)	142 (5.7%)	274 (11.1%)	37 (1.5%)	6 (0.2%)		5 (0.2%)		23 (0.9%)						631 (25.5%)		<b>2,477</b>
<b>1999</b>	1,554 (51.0%)	570 (18.7%)	381 (12.5%)	114 (3.7%)	21 (0.7%)				58 (1.9%)					10 (0.3%)	341 (11.2%)		<b>3,049</b>
<b>2000</b>	1,681 (66.9%)	135 (5.4%)	408 (16.2%)	72 (2.9%)	17 (0.7%)				37 (1.5%)					23 (0.9%)	140 (5.6%)		<b>2,513</b>
<b>2001*</b>	NO CREEL SURVEY CONDUCTED DURING 2001.																
<b>2002</b>	2,388 (42.3%)	716 (12.7%)	522 (9.3%)	56 (1.0%)	16 (0.3%)				71 (1.3%)						1,858 (32.9%)	16 (0.3%)	<b>5,643</b>
<b>2003</b>	1,316 (32.2%)	303 (7.4%)	200 (4.9%)	37 (0.9%)					9 (0.2%)					41 (1.0%)	2,186 (53.4%)		<b>4,092</b>
<b>2004</b>	1,730 (38.4%)	336 (7.5%)	424 (9.4%)	24 (0.5%)					216 (4.8%)						1,774 (39.4%)		<b>4,504</b>
<b>2005</b>	3,073 (64.4%)	478 (10.0%)	405 (8.5%)	34 (0.7%)	9 (0.2%)				35 (0.7%)					41 (0.9%)	698 (14.6%)		<b>4,773</b>
<b>2006</b>	1,490 (72.5%)	131 (6.4%)	75 (3.6%)	16 (0.8%)	25 (1.2%)				35 (1.7%)					14 (0.7%)	270 (13.1%)		<b>2,056</b>
<b>2007</b>	2,220 (48.5%)	1,348 (29.4%)	310 (6.8%)	72 (1.6%)	23 (0.5%)		3 (0.1%)		29 (0.6%)						576 (12.6%)		<b>4,581</b>
<b>2008</b>	2,426 (48.9%)	725 (14.6%)	612 (12.3%)	41 (0.8%)	26 (0.5%)				12 (0.2%)					13 (0.3%)	1,107 (22.3%)		<b>4,962</b>

**TABLE 5  
WISCONSIN'S LAKE SUPERIOR. PRIVATE OPEN WATER-COLD FISHERY HARVEST 1992 - 2008.  
WASHBURN**

(PERCENT OF TOTAL HARVEST PER YEAR IN PARENTHESES)

YEAR	LAKE TROUT	COHO SALMON	CHINOOK SALMON	BROWN TROUT	SPLAKE	RAINB. TROUT	ATLAN. SALMON	BROOK TROUT	FATS	WHITE FISH	MULE	HERR	NOP	WAE	YEP	TOTAL HARVEST
<b>1992</b>	2,369 (39.5%)	1,265 (21.1%)	584 (9.7%)	1,388 (23.1%)	294 (4.9%)	23 (0.4%)	24 (0.4%)	15 (0.3%)	16 (0.3%)				12 (0.2%)	6 (0.1%)		<b>5,996</b>
<b>1993</b>	1,789 (46.6%)	1,280 (33.4%)	298 (7.8%)	338 (8.8%)	28 (0.7%)	3 (0.1%)	10 (0.3%)		44 (1.1%)	12 (0.3%)		30 (0.8%)		3 (0.1%)	3 (0.1%)	<b>3,838</b>
<b>1994</b>	1,549 (21.9%)	4,943 (70.0%)	83 (1.2%)	311 (4.4%)	170 (2.4%)		5 (0.1%)		5 (0.1%)							<b>7,066</b>
<b>1995</b>	1,704 (26.6%)	4,002 (62.4%)	210 (3.3%)	180 (2.8%)	186 (2.9%)	12 (0.2%)	25 (0.4%)		78 (1.2%)			6 (0.1%)	8 (0.1%)			<b>6,411</b>
<b>1996</b>	2,469 (65.0%)	752 (19.8%)	237 (6.2%)	213 (5.6%)	68 (1.8%)	8 (0.2%)	9 (0.2%)		4 (0.1%)					12 (0.3%)	29 (0.8%)	<b>3,801</b>
<b>1997</b>	2,774 (60.1%)	1,107 (24.0%)	137 (3.0%)	199 (4.3%)	331 (7.2%)	24 (0.5%)			19 (0.4%)	6 (0.1%)				10 (0.2%)	12 (0.3%)	<b>4,619</b>
<b>1998</b>	4,199 (75.8%)	527 (9.5%)	144 (2.6%)	175 (3.2%)	205 (3.7%)	35 (0.6%)	11 (0.2%)		110 (2.0%)	3 (0.1%)		11 (0.2%)	91 (1.6%)	32 (0.6%)		<b>5,543</b>
<b>1999</b>	3,635 (34.6%)	4,599 (43.7%)	689 (6.5%)	564 (5.4%)	500 (4.8%)	71 (0.7%)			20 (0.2%)	26 (0.2%)		20 (0.2%)		205 (1.9%)	191 (1.8%)	<b>10,520</b>
<b>2000</b>	3,716 (52.7%)	2,113 (30.0%)	251 (3.6%)	517 (7.3%)	204 (2.9%)	45 (0.6%)	10 (0.1%)	15 (0.2%)	11 (0.2%)	15 (0.2%)		9 (0.1%)	88 (1.2%)	52 (0.7%)		<b>7,046</b>
<b>2001</b>	2,797 (62.0%)	1,067 (23.6%)	180 (4.0%)	262 (5.8%)	144 (3.2%)	5 (0.1%)				9 (0.2%)			17 (0.4%)	32 (0.7%)		<b>4,513</b>
<b>2002</b>	2,432 (52.2%)	1,255 (26.9%)	292 (6.3%)	206 (4.4%)	87 (1.9%)	19 (0.4%)					21 (0.5%)		56 (1.2%)	208 (4.5%)	86 (1.8%)	<b>4,662</b>
<b>2003</b>	1,614 (66.8%)	304 (12.6%)	152 (6.3%)	146 (6.0%)	66 (2.7%)	4 (0.2%)			11 (0.5%)	14 (0.6%)		27 (1.1%)	27 (1.1%)	51 (2.1%)		<b>2,416</b>
<b>2004</b>	2,730 (57.5%)	1,314 (27.7%)	277 (5.8%)	206 (4.3%)	72 (1.5%)	38 (0.8%)		12 (0.3%)	45 (0.9%)				26 (0.5%)	30 (0.6%)		<b>4,750</b>
<b>2005</b>	2,418 (60.8%)	1,078 (27.1%)	169 (4.2%)	157 (3.9%)	92 (2.3%)	20 (0.5%)			8 (0.2%)			7 (0.2%)	7 (0.2%)	21 (0.5%)		<b>3,977</b>
<b>2006</b>	1,406 (64.0%)	447 (20.4%)	15 (0.7%)	184 (8.4%)	67 (3.1%)	30 (1.4%)			20 (0.9%)				19 (0.9%)	8 (0.4%)		<b>2,196</b>
<b>2007</b>	1,042 (34.4%)	1,461 (48.3%)	122 (4.0%)	331 (10.9%)	19 (0.6%)	17 (0.6%)							18 (0.6%)	16 (0.5%)		<b>3,026</b>
<b>2008</b>	1,720 (58.7%)	584 (19.9%)	116 (4.0%)	347 (11.8%)	81 (2.8%)	30 (1.0%)			19 (0.6%)			13 (0.4%)	16 (0.5%)	6 (0.2%)		<b>2,932</b>

**TABLE 6**  
**WISCONSIN'S LAKE SUPERIOR. PRIVATE OPEN WATER-COLD FISHERY HARVEST 1989 - 2008.**  
**SAXON HARBOR**

(PERCENT OF TOTAL HARVEST PER YEAR IN PARENTHESES)

YEAR	LAKE TROUT	COHO SALMON	CHINOOK SALMON	BROWN TROUT	SPLAKE	RAINB. TROUT	ATLAN. SALMON	FATS	WHITE FISH	HERR	NOP	WAE	TOTAL HARVEST
1989	3,327	1,131	37	43		89							4,627
1990	2,525	240	115	5		6							2,891
1991	1,735	527	74	75		5		3					2,419
1992	1,240	188	28	18									1,474
1993	2,234	422	210	25				11		8			2,910
1994	2,962 (78.1%)	702 (18.5%)	80 (2.1%)	46 (1.2%)					2 (0.1%)				3,792
1995	1,631 (63.8%)	801 (31.3%)	30 (1.2%)	20 (0.8%)			4 (0.2%)	71 (2.8%)					2,557
1996	1,776 (78.4%)	294 (13.0%)	64 (2.8%)	15 (0.7%)				109 (4.8%)	6 (0.3%)				2,264
1997	3,271 (68.2%)	1,102 (23.0%)	228 (4.8%)	42 (0.9%)	4 (0.1%)	7 (0.1%)		103 (2.1%)		38 (0.8%)			4,795
1998	2,889 (86.8%)	226 (6.8%)	37 (1.1%)	98 (2.9%)	3 (0.1%)	13 (0.4%)		47 (1.4%)		8 (0.2%)	6 (0.2%)		3,327
1999	2,224 (50.0%)	1,653 (37.1%)	346 (7.8%)	153 (3.4%)	3 (0.1%)	7 (0.2%)		16 (0.4%)	9 (0.2%)	3 (0.1%)		36 (0.8%)	4,450
2000	2,313 (73.9%)	560 (17.9%)	157 (5.0%)	89 (2.8%)	6 (0.2%)			5 (0.2%)					3,130
2001	2,593 (74.1%)	569 (16.3%)	94 (2.7%)	234 (6.7%)				5 (0.1%)				4 (0.1%)	3,499
2002	1,968 (79.6%)	270 (10.9%)	52 (2.1%)	50 (2.0%)		9 (0.4%)		4 (0.2%)	12 (0.5%)	5 (0.2%)		101 (4.1%)	2,471
2003	2,606 (84.6%)	286 (9.3%)	68 (2.2%)	37 (1.2%)				6 (0.2%)	71 (2.3%)	7 (0.2%)			3,081
2004	4,843 (83.6%)	567 (9.8%)	323 (5.6%)	52 (0.9%)		6 (0.1%)							5,791
2005	3,844 (88.7%)	321 (7.4%)	88 (2.0%)	39 (0.9%)		14 (0.3%)		18 (0.4%)		9 (0.2%)			4,333
2006	2,407 (81.8%)	310 (10.5%)	43 (1.5%)	90 (3.1%)	24 (0.8%)	5 (0.2%)		3 (0.1%)				61 (2.1%)	2,943
2007	2,003 (65.5%)	749 (24.5%)	149 (4.9%)	132 (4.3%)		17 (0.6%)				7 (0.2%)			3,057
2008	1,969 (78.3%)	356 (14.1%)	47 (1.9%)	117 (4.7%)	4 (0.2%)					2 (0.1%)	5 (0.2%)	16 (0.6%)	2,516

**TABLE 7**  
**WISCONSIN'S LAKE SUPERIOR. PRIVATE OPEN WATER-COLD FISHERY HARVEST 1988 - 2008.**  
**CORNUCOUPIA - PORT WING**  
(PERCENT OF TOTAL HARVEST PER YEAR IN PARENTHESES)

YEAR	LAKE TROUT	COHO SALMON	CHINOOK SALMON	BROWN TROUT	SPLAKE	RAINB. TROUT	ATLAN. SALMON	BROOK TROUT	FATS	PINK SALMON	WF	HERR	SMELT	NOP	WAE	TOTAL HARVEST
1988	986	3,296	1,685	182			27		55						13	6,244
1989	1,109	1,739	479	309		58	8								22	3,724
1990	719	509	108	217												1,553
1991	1,101	491	39	72					19						36	1,758
1992	2,292	797	289	186		5	24		92					4	189	3,878
1993	1,591 (50.0%)	898 (28.2%)	362 (11.4%)	111 (3.5%)	8 (0.3%)	10 (0.3%)	8 (0.3%)		105 (3.3%)			10 (0.3%)		11 (0.3%)	70 (2.2%)	3,184
1994	1,252 (51.7%)	555 (22.9%)	264 (10.9%)	248 (10.2%)		50 (2.1%)	25 (1.0%)		14 (0.6%)					13 (0.5%)		2,421
1995	925 (33.0%)	1,140 (40.6%)	285 (10.2%)	115 (4.1%)			17 (0.6%)		306 (10.9%)						18 (0.6%)	2,806
1996	1,118 (51.1%)	593 (27.1%)	203 (9.3%)	130 (5.9%)		81 (3.7%)		18 (0.8%)	38 (1.7%)						8 (0.4%)	2,189
1997	896 (42.7%)	579 (27.6%)	210 (10.0%)	252 (12.0%)		17 (0.8%)			75 (3.6%)					46 (2.2%)	23 (1.1%)	2,098
1998	3,161 (67.0%)	547 (11.6%)	264 (5.6%)	231 (4.9%)		11 (0.2%)			428 (9.1%)						74 (1.6%)	4,716
1999	2,515 (50.5%)	1,445 (29.0%)	469 (9.4%)	268 (5.4%)		36 (0.7%)			236 (4.7%)						10 (0.2%)	4,979
2000	1,786 (72.8%)	149 (6.1%)	251 (10.2%)	157 (6.4%)		17 (0.7%)	4 (0.2%)		82 (3.3%)						7 (0.3%)	2,453
2001	3,949 (74.3%)	594 (11.2%)	278 (5.2%)	236 (4.4%)	14 (0.3%)	122 (2.3%)			54 (1.0%)					36 (0.7%)	35 (0.7%)	5,318
2002	3,166 (59.3%)	982 (18.4%)	626 (11.7%)	129 (2.4%)		31 (0.6%)			296 (5.5%)					7 (0.1%)	104 (1.9%)	5,341
2003	3,111 (67.8%)	349 (7.6%)	592 (12.9%)	116 (2.5%)		47 (1.0%)			137 (3.0%)						237 (5.2%)	4,589
2004	3,494 (70.7%)	576 (11.7%)	207 (4.2%)	171 (3.5%)		88 (1.8%)			408 (8.3%)							4,944
2005	NO CREEL SURVEY CONDUCTED.															
2006	1,901 (51.3%)	863 (23.3%)	235 (6.3%)	190 (5.1%)	8 (0.2%)	37 (1.0%)			351 (9.5%)	33 (0.9%)	22 (0.6%)				64 (1.7%)	3,704
2007	NO CREEL SURVEY CONDUCTED.															
2008	1,833 (51.4%)	1,112 (31.2%)	150 (4.2%)	241 (6.8%)					184 (5.2%)						45 (1.3%)	3,565

**TABLE 8  
 PERCENT HARVEST OF NATIVE LAKE TROUT BY AREA, 1990 - 2008.  
 OPEN WATER COLD PRIVATE.**

<b>YEAR</b>	<b>ASHLAND BAYFIELD WASHBURN</b>	<b>CORNUCOPIA/ PORT WING</b>	<b>SAXON HARBOR</b>	<b>SUPERIOR</b>	<b>TOTAL</b>
1990	62.3	67.2	95.5	27.0	<b>60.7</b>
1991	85.8	36.1	94.9	25.8	<b>66</b>
1992	82.4	66.8	92.0	25.3	<b>64</b>
1993	80.0	49.8	97.4	40.6	<b>64</b>
1994	82.1	49.4	98.0	48.8	<b>76</b>
1995	65.2*	72.1	94.3	46.9	<b>67</b>
1996	80.9*	75.6	98.1	57.0	<b>79</b>
1997	46.0*	44.4	96.9	56.3	<b>68</b>
1998	52.8*	45.6	98.8	57.8	<b>63</b>
1999	72.8*	57.9	96.3	49.4	<b>70</b>
2000	90.3	66.7	96.4	44.4	<b>82.6</b>
2001	88.3*	68.8	99.3	N/A	<b>83.1</b>
2002	92.1*	73.1	98.7	63.2	<b>82.1</b>
2003	91.8*	80.1	99.2	60.3@	<b>84.8</b>
2004	95.9*	84.3	99.2	75.7	<b>91.2</b>
2005	98.4	84.3^	99.9	75.1	<b>91.9</b>
2006	97.2	85.2	100.0	67.1	<b>89.8</b>
2007	98.4	85.2^	99.7	67.1	<b>91.0</b>
2008	98.0*	82.9	98.9	63.1	<b>84.1</b>

\* WASHBURN ROUTE ONLY

@ 2003 SUPERIOR % NATIVE DERIVED USING 2002 NUMBERS

^Corn/Port Wing not surveyed in 2005 used 2004 data and 2007 used 2006.

**TABLE 9 - 2008 LAKE TROUT EXTRACTION BY MANAGEMENT UNIT BY FISHERY**

	ANGLR	ANGLR	EST. LT	%	EST. #	AVE SIZE	WGHTED		EST #	AVE SIZE	WGHTED	SMPLE
WI-1	TRIPS	HOURS	HARVEST	HATCH.	HATCH.	HATCH.	HATCH.	%NATIVE	NATIVE	NATIVE	NATIVE	SIZE
CHARTER												
CORN.-PORT WING	89	420	165	24.21	40	22.6	902.79	75.79	125	21.6	2701.16	
SUPERIOR	302	2,011	442	36.89	163	21.5	3505.66	63.11	279	21.9	6108.92	
<b>TOTAL</b>	<b>391</b>	<b>2,431</b>	<b>607</b>	<b>33.44</b>	<b>203</b>	<b>21.7</b>	<b>4408.45</b>	<b>66.56</b>	<b>404</b>	<b>21.8</b>	<b>8810.08</b>	

OPEN WTR-COLD												
CORN. - PORT W.	3,061	13,650	1,290	24.21	312	22.6	7058.18	75.79	978	21.6	21118.13	95
SUPERIOR	5,869	30,078	2,426	36.89	895	21.5	19241.46	63.11	1,531	21.9	33529.96	525
<b>TOTAL</b>	<b>8,930</b>	<b>43,728</b>	<b>3,716</b>	<b>32.49</b>	<b>1,207</b>	<b>21.8</b>	<b>26299.64</b>	<b>67.51</b>	<b>2,509</b>	<b>21.8</b>	<b>54648.09</b>	<b>620</b>

OPEN WTR-COOL												
CORN. - PORT W.	0	0	0		0		0.00		0		0.00	0
SUPERIOR	4,225	15,359	55	0.00	0		0.00	100.00	55	18.8	1034.00	9
<b>TOTAL</b>	<b>4,225</b>	<b>15,359</b>	<b>55</b>	<b>0.00</b>	<b>0</b>	<b>0.0</b>	<b>0.00</b>	<b>100.00</b>	<b>55</b>	<b>18.8</b>	<b>1034.00</b>	<b>9</b>

<b>WI-1 TOTAL</b>	<b>13,546</b>	<b>61,518</b>	<b>4,378</b>	<b>32.21</b>	<b>1,410</b>	<b>21.8</b>	<b>30,708</b>	<b>67.79</b>	<b>2,968</b>	<b>21.7</b>	<b>64,492</b>	<b>629</b>
<b>WEIGHT (LBS)</b>			<b>13301.76</b>				<b>3.14</b>	<b>4428.22</b>		<b>2.99</b>	<b>8873.54</b>	

WI-2												
ICE												
WSHBN/BYFD SHAL.	2,957	17,248	82	0.00	0	0.0	0.00	100.00	82	20.7	1697.40	6
WSHBN COOL	30	152	0	0.00	0	0.0	0.00	100.00	0	0.0	0.00	0
APOS. ISL. BOBB.	5,412	33,548	3,971	5.59	222	23.0	5105.51	94.41	3,749	22.8	85477.68	438
CORNY. SHAL.	11	30	0	0.00	0	0.0	0.00	100.00	0	0.0	0.00	0
CORNY. COOL	16	124	0	0.00	0	0.0	0.00	100.00	0	0.0	0.00	0
CORNY. BOBB.	354	2,163	414		0		0.00	100.00	414	23.6	9770.40	121
<b>TOTAL</b>	<b>8,780</b>	<b>53,265</b>	<b>4,467</b>	<b>4.97</b>	<b>222</b>	<b>23.0</b>	<b>5105.51</b>	<b>95.03</b>	<b>4,245</b>	<b>22.8</b>	<b>96945.48</b>	<b>565</b>

CHARTER												
ASH.-BYF.-WSH.	676	3,914.5	873	2.66	23	25.9	601.44	97.34	850	23.0	19544.90	
CORN.-PRT WING	16	77	21	0.00	0	0.0	0.00	100.00	21	0.0	0.00	
SAXON	237	1,539	312	1.07	3	23.2	77.45	98.93	309	22.0	6790.56	
<b>TOTAL</b>	<b>929</b>	<b>5,530.5</b>	<b>1,206</b>	<b>2.16</b>	<b>26</b>	<b>26.1</b>	<b>678.90</b>	<b>97.84</b>	<b>1,180</b>	<b>22.3</b>	<b>26335.45</b>	

OPEN WTR-COLD ** NUMBERS DERIVED FROM PREVIOUS YEARS**												
ASHLAND *	3,538	21,978	3,199	2.02	65	25.1	1621.96	97.98	3,134	22.3	69896.68	0
BAYFIELD *	5,872	27,126	3,932	2.02	79	25.1	1993.60	97.98	3,853	22.3	85912.39	0
CORNUCOPIA	1,289	5,747	543	15.00	81	23.5	1914.08	85.00	462	21.6	9969.48	40
LITTLE SAND BAY *	2,178	12,449	1,742	2.02	35	25.1	883.23	97.98	1,707	22.3	38061.90	0
RED CLIFF *	936	5,499	1,301	2.02	26	25.1	659.63	97.98	1,275	22.3	28426.25	0
SAXON	3,469	16,396	1,969	1.07	21	23.2	488.78	98.93	1,948	22.0	42854.50	238
WASHBURN	4,358	21,978	1,720	2.02	35	30.1	1045.79	97.98	1,685	22.9	38592.36	156
<b>TOTAL</b>	<b>21,640</b>	<b>111,173</b>	<b>14,406</b>	<b>2.37</b>	<b>342</b>	<b>25.2</b>	<b>8607.08</b>	<b>97.63</b>	<b>14,064</b>	<b>22.3</b>	<b>313713.56</b>	<b>434</b>

OPEN WTR-COOL												
CORNUCOPIA	173	779	0									0
WASHBURN	725	2,641	0									0
<b>TOTAL</b>	<b>898</b>	<b>3,420</b>	<b>0</b>		<b>0</b>	<b>0.0</b>	<b>0.00</b>		<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>

<b>WI-2 TOTAL</b>	<b>32,247</b>	<b>173388.5</b>	<b>20,079</b>	<b>2.94</b>	<b>590</b>	<b>24.4</b>	<b>14,391</b>	<b>97.06</b>	<b>19,489</b>	<b>22.4</b>	<b>436,994</b>	<b>999</b>
<b>WEIGHT (LBS)</b>			<b>66791.48</b>			<b>4.53</b>	<b>2672.60</b>			<b>3.29</b>	<b>64118.88</b>	
<b>WI-1, WI-2 TOT.</b>	<b>45,793</b>	<b>234906.5</b>	<b>24,457</b>	<b>8.18</b>	<b>2,000</b>	<b>22.5</b>	<b>45099.57</b>	<b>91.82</b>	<b>22,457</b>	<b>22.3</b>	<b>501486.66</b>	<b>1,628</b>
<b>WEIGHT (LBS)</b>			<b>79945.31</b>			<b>3.48</b>	<b>6960.83</b>			<b>3.25</b>	<b>72984.47</b>	

TABLE 10. SAXON HARBOR OPEN WATER COLD PRIVATE. EFFORT, HARVEST RATES, LAKE TROUT HARVEST RATES. 1988-2008.

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988	4,364	20,703	3,676	0.18	5.63	2,384	0.12	8.68
1989	4,765	24,744	4,627	0.19	5.35	3,327	0.13	7.44
1990	2,898	14,085	2,891	0.21	4.87	2,525	0.18	5.58
1991	3,256	17,157	2,419	0.14	7.09	1,735	0.10	9.89
1992	2,242	10,257	1,474	0.14	6.96	1,240	0.12	8.27
1993	4,020	21,627	2,910	0.13	7.43	2,234	0.10	9.68
1994	4,462	23,423	3,792	0.16	6.18	2,962	0.13	7.91
1995	3,587	17,714	2,557	0.14	6.93	1,631	0.09	10.86
1996	3,015	15,566	2,264	0.15	6.88	1,776	0.11	8.76
1997	4,510	22,653	4,795	0.21	4.72	3,271	0.14	6.93
1998	3,454	17,921	3,327	0.19	5.39	2,889	0.16	6.20
1999	3,641	16,196	4,450	0.27	3.64	2,224	0.14	7.28
2000	3,758	18,436	3,130	0.17	5.89	2,313	0.13	7.97
2001	3,391	17,358	3,499	0.20	4.96	2,593	0.15	6.69
2002	3,708	15,791	2,471	0.16	6.39	1,968	0.12	8.02
2003	3,308	16,152	3,081	0.19	5.24	2,606	0.16	6.20
2004	4,976	23,479	5,791	0.25	4.05	4,843	0.21	4.85
2005	4,882	22,185	4,333	0.20	5.12	3,844	0.17	5.77
2006	3,607	17,993	2,943	0.16	6.11	2,407	0.13	7.48
2007	3,882	19,571	3,057	0.16	6.40	2,003	0.10	9.77
2008	3,469	16,396	2,516	0.15	6.52	1,669	0.10	9.82
<b>TOTAL</b>	<b>79,195</b>	<b>389,407</b>	<b>70,003</b>			<b>52,444</b>		
<b>AVE.</b>	<b>3,771</b>	<b>18,543</b>	<b>3,333</b>	<b>0.18</b>	<b>5.56</b>	<b>2,497</b>	<b>0.13</b>	<b>7.43</b>

TABLE 12. CORNUCOPIA / PORT WING OPEN WATER COLD PRIVATE. EFFORT, HARVEST RATES, LAKE TROUT HARVEST RATES. 1988-2008.

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988	6,776	33,127	6,244	0.19	5.31	986	0.03	33.60
1989	6,893	31,880	3,724	0.12	8.56	1,109	0.03	28.75
1990	6,126	26,089	1,553	0.06	16.80	719	0.03	36.29
1991	3,506	16,003	1,758	0.11	9.10	1,101	0.07	14.53
1992	5,554	26,707	3,878	0.15	6.89	2,292	0.09	11.65
1993	6,295	25,798	3,184	0.12	8.10	1,591	0.06	16.21
1994	6,646	28,284	2,421	0.09	11.68	1,252	0.04	22.59
1995	6,486	26,971	2,806	0.10	9.61	925	0.03	29.16
1996	4,030	18,493	2,189	0.12	8.45	1,118	0.06	16.54
1997	3,392	15,295	2,098	0.14	7.29	896	0.06	17.07
1998	6,888	26,891	4,716	0.18	5.70	3,161	0.12	8.51
1999	5,792	26,983	4,979	0.18	5.42	2,515	0.09	10.73
2000	3,664	15,489	2,453	0.16	6.31	1,768	0.11	8.76
2001	6,913	29,656	5,318	0.18	5.58	3,949	0.13	7.51
2002	6,351	29,443	5,341	0.18	5.51	3,166	0.11	9.30
2003	6,848	31,888	4,589	0.14	6.95	3,111	0.10	10.25
2004	6,979	31,070	4,944	0.16	6.28	3,494	0.11	8.89
2005*								
2006	6,153	26,068	3,704	0.14	7.04	1,901	0.07	13.71
2007*								
2008	4,350	19,397	3,565	0.18	5.44	1,833	0.09	10.58
<b>TOTAL</b>	<b>109,642</b>	<b>485,532</b>	<b>69,464</b>			<b>36,887</b>		
<b>AVE.</b>	<b>5,771</b>	<b>25,554</b>	<b>3,656</b>	<b>0.14</b>	<b>6.99</b>	<b>1,941</b>	<b>0.08</b>	<b>13.16</b>

\* NO CREEL SURVEY CONDUCTED IN 2005,2007

TABLE 11. WASHBURN OPEN WATER COLD PRIVATE. EFFORT, HARVEST RATES, LAKE TROUT HARVEST RATES. 1988-2008.

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988*	16,154	81,702	12,562	0.15	6.50	3,132	0.04	26.09
1989*	16,348	82,230	10,629	0.13	7.74	3,052	0.04	26.94
1990*	14,396	66,820	6,032	0.09	11.08	3,033	0.05	22.03
1991*	15,105	77,534	11,347	0.15	6.83	4,935	0.06	15.71
1992	9,252	48,185	5,996	0.12	8.04	2,369	0.05	20.34
1993	6,849	36,136	3,838	0.11	9.42	1,789	0.05	20.20
1994	7,925	37,729	7,066	0.19	5.34	1,549	0.04	24.36
1995	7,256	35,750	6,411	0.18	5.58	1,704	0.05	20.98
1996	6,120	26,588	3,801	0.14	7.00	2,469	0.09	10.77
1997	5,967	26,133	4,619	0.18	5.66	2,774	0.11	9.42
1998	8,257	56,503	5,543	0.10	10.19	4,119	0.07	13.72
1999	12,337	35,275	10,520	0.30	3.35	3,635	0.10	9.70
2000	9,744	48,631	7,046	0.14	6.90	3,716	0.08	13.09
2001	7,774	38,769	4,513	0.12	8.59	2,797	0.07	13.86
2002	8,463	37,015	4,662	0.13	7.94	2,432	0.07	15.22
2003	5,232	24,277	2,416	0.10	10.05	1,614	0.07	15.04
2004	5,812	29,253	4,750	0.16	6.16	2,730	0.09	10.72
2005	5,130	25,849	3,977	0.15	6.50	2,418	0.09	10.69
2006	4,190	20,402	2,196	0.11	9.29	1,406	0.07	14.51
2007	3,534	18,472	3,026	0.16	6.10	1,042	0.06	17.73
2008	4,358	21,978	2,932	0.13	7.50	1,720	0.08	12.78
<b>TOTAL</b>	<b>180,203</b>	<b>875,231</b>	<b>123,882</b>			<b>54,435</b>		
<b>AVE.</b>	<b>8,581</b>	<b>41,678</b>	<b>5,899</b>	<b>0.14</b>	<b>7.07</b>	<b>2,592</b>	<b>0.06</b>	<b>16.08</b>

\*1988-1991 DATA COMBINE S BOTH BAYF. AND WASH.

TABLE 13. PORT OF SUPERIOR OPEN WATER COLD PRIVATE. EFFORT, HARVEST RATES, LAKE TROUT HARVEST RATES. 1988-2008.

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988	10,537	58,693	10,163	0.17	5.78	5,155	0.09	11.39
1989	9,770	56,602	8,285	0.15	6.83	3,920	0.07	14.44
1990	8,420	45,988	4,770	0.10	9.64	2,932	0.06	15.68
1991	8,892	51,945	8,486	0.16	6.12	3,235	0.06	16.06
1992	7,630	43,734	6,460	0.15	6.77	2,587	0.06	16.91
1993	9,728	58,215	9,636	0.17	6.04	3,830	0.07	15.20
1994	7,640	41,718	3,588	0.09	11.63	1,962	0.05	21.26
1995	7,745	41,424	4,978	0.12	8.32	2,268	0.05	18.26
1996	6,495	37,674	3,702	0.10	10.18	1,488	0.04	25.32
1997	4,500	23,454	2,334	0.10	10.05	743	0.03	31.57
1998	4,300	25,692	2,477	0.10	10.37	1,359	0.05	18.91
1999	5,271	21,634	3,049	0.14	7.10	1,554	0.07	13.92
2000	4,050	19,219	2,513	0.13	7.65	1,681	0.09	11.43
2001*								
2002	6,586	33,027	5,643	0.17	5.85	2,388	0.07	13.83
2003	5,387	25,434	4,092	0.16	6.22	1,316	0.05	19.33
2004	5,883	29,773	4,504	0.15	6.61	1,730	0.06	17.21
2005	6,831	31,569	4,773	0.15	6.61	3,073	0.10	10.27
2006	3,462	16,263	2,056	0.13	7.91	1,490	0.09	10.91
2007	5,108	25,126	4,581	0.18	5.48	2,220	0.09	11.32
2008	5,869	30,078	4,962	0.16	6.06	2,426	0.08	12.40
<b>TOTAL</b>	<b>134,104</b>	<b>717,262</b>	<b>101,052</b>			<b>47,357</b>		
<b>AVE.</b>	<b>6,705</b>	<b>35,863</b>	<b>5,053</b>	<b>0.14</b>	<b>7.10</b>	<b>2,368</b>	<b>0.07</b>	<b>15.15</b>

\*NO CREEL CONDUCTED DURING 2001.

**TABLE 14**

**LAKE TROUT HARVEST RATES (LAKE TROUT PER ANGLER HOUR) JUNE - AUGUST, BY AREA, 1990 - 2008. OPEN WATER COLD PRIVATE.**

YEAR	ASHLAND	BAYFIELD	CORNUCOPIA/	SAXON	SUPERIOR	WASHBURN	TOTAL
			PORT WING	HARBOR			
1990	0.103	N/A	0.038	0.201	0.075	0.084*	<b>0.085</b>
1991	N/A	N/A	0.084	0.124	0.063	0.086*	<b>0.080</b>
1992	0.073	N/A	0.097	0.104	0.057	0.080	<b>0.076</b>
1993	0.115	N/A	0.058	0.121	0.064	0.080	<b>0.075</b>
1994	0.081	0.081	0.058	0.145	0.039	0.062	<b>0.071</b>
1995	N/A	N/A	0.043	0.116	0.060	0.085	<b>0.069</b>
1996	N/A	N/A	0.075	0.118	0.041	0.119	<b>0.078</b>
1997	N/A	N/A	0.071	0.171	0.036	0.145	<b>0.105</b>
1998	N/A	N/A	0.127	0.280	0.050	0.139	<b>0.133</b>
1999	N/A	N/A	0.120	0.203	0.066	0.087	<b>0.101</b>
2000	0.225	0.106	0.136	0.172	0.095	0.122	<b>0.131</b>
2001	N/A	N/A	0.168	0.176	N/A	0.101	<b>0.140</b>
2002	N/A	N/A	0.102	0.141	0.070	0.077	<b>0.091</b>
2003	N/A	N/A	0.111	0.157	0.058	0.078	<b>0.099</b>
2004	N/A	N/A	0.122	0.242	0.063	0.121	<b>0.130</b>
2005	0.253	N/A	0.122^	0.175	0.100	0.136	<b>0.147</b>
2006	N/A	N/A	0.088	0.147	0.083	0.082	<b>0.100</b>
2007	0.155	0.106	0.088^	0.140	0.100	0.079	<b>0.108</b>
2008	N/A	N/A	0.113	0.131	0.078	0.098	<b>0.101</b>

\* WASHBURN AND BAYFIELD ROUTES COMBINED

^Corn/Port Wing not surveyed in 2005 used 2004 data and 2007 used 2006.



**TABLE 15  
ESTIMATED ANGLER EFFORT(ANGLER TRIPS AND ANGLER HOURS) BY AREA IN  
WISCONSIN WATERS OF LAKE SUPERIOR OPEN WATER COOL PRIVATE. 2000-2008.**

<b>ANGLER TRIPS</b>										
<b>AREA</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>AVERAGE</b>
<b>ASHLAND</b>	2,422					7,577		6,303		<b>5,434</b>
<b>BAYFIELD</b>	14							126		<b>70</b>
<b>CORN. - PORT W.</b>	53	45	21	210	221		106		173	<b>118</b>
<b>LITTLE SAND BAY</b>								0		<b>0</b>
<b>RED CLIFF</b>								0		<b>0</b>
<b>SAXON HARBOR</b>	15	0	36	0	0	0	0	0		<b>6</b>
<b>SUPERIOR</b>	4,673		8,877	5,508	4,854	4,300	5,721	5,144	4,225	<b>5,413</b>
<b>WASHBURN</b>	1,166	789	645	1,267	766	885	1,197	1,755	725	<b>1,022</b>
<b>TOTAL</b>	<b>8,343</b>	<b>834</b>	<b>9,579</b>	<b>6,985</b>	<b>5,841</b>	<b>12,762</b>	<b>7,024</b>	<b>13,328</b>	<b>5,123</b>	

<b>ANGLER HOURS</b>										
<b>AREA</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>AVERAGE</b>
<b>ASHLAND</b>	11,348					35,983		29,008		<b>25,446</b>
<b>BAYFIELD</b>	60							944		<b>502</b>
<b>CORN. - PORT W.</b>	180	129	101	936	1,112		273		779	<b>501</b>
<b>LITTLE SAND BAY</b>								0		<b>0</b>
<b>RED CLIFF</b>								0		<b>0</b>
<b>SAXON HARBOR</b>	158	0	431	0	0	0	0	0	0	<b>65</b>
<b>SUPERIOR</b>	14,674		31,606	17,813	15,115	9,870	19,015	18,230	15,359	<b>17,710</b>
<b>WASHBURN</b>	4,675	3,018	2,258	5,483	2,508	3,175	4,498	7,849	2,641	<b>4,012</b>
<b>TOTAL</b>	<b>31,095</b>	<b>3,147</b>	<b>34,396</b>	<b>24,232</b>	<b>18,735</b>	<b>49,028</b>	<b>23,786</b>	<b>56,031</b>	<b>18,779</b>	

**TABLE 16. SAXON HARBOR OPEN WATER COOL PRIVATE. ESTIMATED EFFORT, HARVEST AND HARVEST RATES. 2000-2008.**

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL	FISH / HOUR	ANGLR.
			FISH HARVEST		HRS / FISH
2000	15	158	0	0.00	0.00
2001	0	0	0		
2002	36	431	120	0.28	3.59
2003	0	0	0		
2004	0	0	0		
2005	0	0	0		
2006	0	0	0		
2007	0	0	0		
2008	0	0	0		
<b>TOTAL</b>	<b>51</b>	<b>589</b>	<b>120</b>		
<b>AVE.</b>	<b>6</b>	<b>65</b>	<b>13</b>	<b>0.20</b>	<b>4.91</b>

**TABLE 18. CORNUCOPIA / PORT WING OPEN WATER COOL PRIVATE. ESTIMATED EFFORT, HARVEST AND HARVEST RATES. 2000-2008.**

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL	FISH / HOUR	ANGLR.
			FISH HARVEST		HRS / FISH
2000	53	180	0	0.00	0.00
2001	45	129	10	0.08	12.90
2002	21	101	14	0.14	7.21
2003	210	936	71	0.08	13.18
2004	221	1,112	123	0.11	9.04
2005*					
2006	106	273	0	0.00	0.00
2007*					
2008	173	778	9	0.01	0.00
<b>TOTAL</b>	<b>829</b>	<b>3,509</b>	<b>227</b>		
<b>AVE.</b>	<b>118</b>	<b>501</b>	<b>32</b>	<b>0.06</b>	<b>15.46</b>

\* NOT SURVEYED 2005 and 2007

**TABLE 17. WASHBURN OPEN WATER COOL PRIVATE. ESTIMATED EFFORT, HARVEST AND HARVEST RATES. 2000-2008.**

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL	FISH / HOUR	ANGLR.
			FISH HARVEST		HRS / FISH
2000	1,166	4,675	253	0.05	18.48
2001	789	3,018	502	0.17	6.01
2002	645	2,258	184	0.08	12.27
2003	1,267	5,483	58	0.01	94.53
2004	766	2,508	53	0.02	47.32
2005	885	3,175	171	0.05	18.57
2006	1,197	4,498	538	0.12	8.36
2007	1,755	7,849	248	0.03	31.65
2008	725	2,641	116	0.04	22.77
<b>TOTAL</b>	<b>9,195</b>	<b>36,105</b>	<b>2,123</b>		
<b>AVE.</b>	<b>1,022</b>	<b>4,012</b>	<b>236</b>	<b>0.06</b>	<b>17.01</b>

**TABLE 19. PORT OF SUPERIOR OPEN WATER COOL PRIVATE. ESTIMATED EFFORT, HARVEST AND HARVEST RATES. 2000-2008.**

YEAR	ANGLER TRIPS	ANGLER HOURS	TOTAL	FISH / HOUR	ANGLR.
			FISH HARVEST		HRS / FISH
2000	4,673	14,674	112	0.01	131.02
2001					
2002	8,877	31,606	6,640	0.21	4.76
2003	5,508	17,813	5,113	0.29	3.48
2004	4,854	15,115	2,457	0.16	6.15
2005	4,300	9,870	1,605	0.16	6.15
2006	5,721	19,015	3,214	0.17	5.92
2007	5,144	18,230	3,017	0.17	6.04
2008	4,225	15,359	1,687	0.11	9.10
<b>TOTAL</b>	<b>43,302</b>	<b>141,682</b>	<b>23,845</b>		
<b>AVE.</b>	<b>5,413</b>	<b>17,710</b>	<b>2,981</b>	<b>0.17</b>	<b>5.94</b>

NOT SURVEYED IN 2001.

**TABLE 20**

**ESTIMATED ANGLER EFFORT (ANGLER TRIPS AND ANGLER HOURS) BY AREA IN WISCONSIN WATERS OF LAKE SUPERIOR ICE FISHERY. 1991-2008.**

<b>ANGLER TRIPS</b>																			
<b>AREA</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>AVERAGE</b>
ASHLAND SHALLOW WTR																	3,118		3,118
ASHLAND COOL WATER																	2,234		2,234
WASHBURN SHALL. WTR	2,973	3,422			4,651		1,857	2,607	5,902	4,924	3,481	2,497	1,681	1,744	2,791	1,351	2,854	2,957	3,046
WASHBURN COOL WATER									192	145	164	185	16	27	187	6	160	30	111
ASHL.+WSHB. SHAL. WTR			7,682	4,768															6,225
ASHL.+WSHB. COOL WTR			2,252	1,040															1,646
APOS. ISL. - BOBBING	947	1,451	1,904	1,768	1,512	1,695	2,835	1,758	5,074	3,873	5,525	1,228	5,313	3,178	6,008	1,062	3,480	5,412	3,001
MAD. ISL. - BOBBING						813	741												777
CORNOCUPIA SHALLOW											10		16	8	1		4	11	8
CORNOCUPIA COOL										6	8		20	12			10	16	12
CORNOCUPIA - BOBBING	791	63		1,070	326	1,172	1,546			212	563		1,274	586	138		156	354	635
WESTERN END				2,280															2,280
DECEMBER BOATS								133	124	107									121
<b>TOTAL</b>	<b>4,711</b>	<b>4,936</b>	<b>11,838</b>	<b>10,926</b>	<b>6,489</b>	<b>3,680</b>	<b>6,979</b>	<b>4,498</b>	<b>11,292</b>	<b>9,267</b>	<b>9,751</b>	<b>3,910</b>	<b>8,320</b>	<b>5,555</b>	<b>9,125</b>	<b>2,419</b>	<b>12,016</b>	<b>8,780</b>	

<b>ANGLER HOURS</b>																			
<b>AREA</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>AVERAGE</b>
ASHLAND SHALLOW WTR																	17,487		17,487
ASHLAND COOL WATER																	10,540		10,540
WASHBURN SHALL. WTR	15,105	16,845			25,049		10,614	12,174	28,423	24,184	16,897	13,064	7,965	7,676	13,266	6,451	15,266	17,248	15,348
WASHBURN COOL WATER									1,097	761	946	812	96	106	528	22	750	152	527
ASHL.+WSHB. SHAL. WTR			41,021	22,991															32,006
ASHL.+WSHB. COOL WTR			9,620	4,602															7,111
APOS. ISL. - BOBBING	5,403	8,171	10,382	10,096	8,741	9,414	16,653	9,430	27,949	20,699	30,753	6,834	30,924	16,975	32,365	5,958	19,287	33,548	16,866
MADLINE ISLAND						4,273	4,473												4,373
CORNOCUPIA SHALLOW											16		50	15	3		8	30	20
CORNOCUPIA COOL										17	37		65	47			41	124	55
CORNOCUPIA - BOBBING	5,052	337		6,113	1,561	6,881	8,098			1,183	2,918		6,495	3,086	736		764	2,163	3,491
WESTERN END				14,698															14,698
DECEMBER BOATS								465	506	385									452
<b>TOTAL</b>	<b>25,560</b>	<b>25,353</b>	<b>61,023</b>	<b>58,500</b>	<b>35,351</b>	<b>20,568</b>	<b>39,838</b>	<b>22,069</b>	<b>57,975</b>	<b>47,229</b>	<b>51,567</b>	<b>20,710</b>	<b>45,595</b>	<b>27,905</b>	<b>46,898</b>	<b>12,431</b>	<b>64,143</b>	<b>53,265</b>	

**TABLE 21**

**WISCONSIN'S LAKE SUPERIOR. ICE SHALLOW WATER ESTIMATED EFFORT, HARVEST AND HARVEST RATES 1975-2008.**

(INCLUDING CHEQUAMEGON BAY, WASHBURN, BAYFIELD )

YEAR	ANGL. TRIPS	ANGL. HOURS	OVERALL		LAKE TROUT	COHO SAL.	CHIN. SAL.	BROWN TROUT	BROOK		WHITE FISH	MEN. WF	MULE WF	LAKE HERR.	ATL. SAL.	BUR BOT	SMELT	NOP	WAE	YEP	other	TOTAL HRVST
			HRVSTRATE FISH/HOUR	SPLAKE					RBT	FAT												
1975-A	6,807	N/A	N/A		198		11,176	795	144													12,313
1976-A	2,114	10,649	0.067	63	46		410	106	51	7				22				7	5			717
1977-A	980	4,060	0.061		8		101	13	74					53								249
1978-A	2,816	N/A	N/A	14	27		545	63	73	32				135								889
1979-A	N/A	N/A	N/A	39	5		1,189	34	80	346				580								2,273
1980-A	N/A	N/A	N/A	797	72		1,219	3,854	51	24				12								6,029
1981-A	N/A	N/A	N/A	376	98		1,146	4,635	142	7				74								6,478
1982-A	5,199	26,837	0.147	133	139		270	3,342	49	6				6								3,945
1983-A	8,433	42,558	0.137	441	641		1,647	2,986	42	23				5							51	5,836
1984-A	8,215	38,802	0.123	191	375		649	3,319	29	43											159	4,765
1985-A	8,568	41,506	0.170	84	53		1,307	5,272	37	254											53	7,060
1986-A	8,807	45,945	0.135	229	354		188	5,373	11	56												6,211
1987-A	8,792	46,556	0.130	223	701	39	815	3,949	70	34				27				90	6	84		6,038
1988-A	7,875	38,714	0.216	29	2,145		1,839	4,275							14			33	14			8,349
1989-A	10,328	47,884	0.129	143	303		2,738	2,262	115	26		24		58	15			87	24	366		6,161
1990-A	8,138	37,150	0.208	61	222		373	4,959				73		1,874				42	67	46		7,717
1991-BC	2,973	15,105	0.165		65	18	83	702				76		1,525				11		14		2,494
1992-BC	3,422	16,845	0.302		520		2,224	374				69	51	1,808		34						5,080
1993-A	7,682	41,021	0.149	168	114	15	1,951	2,067				265	22	1,150	31	124	51	25	19	107		6,109
1994-A	4,768	22,991	0.128	197	119	12	749	788		0		106	24	641		81	158	21	21	25		2,942
1995-B	4,651	25,049	0.463	93	176	13	644	874				85	23	2,557		7	7,096	2	19			11,589
1996	NO SHALLOW WATER SURVEY																					0
1997	NO SHALLOW WATER SURVEY																					0
1998-B	2,607	12,174	0.594	108	240	23	135	598		5		103		299		54	5,321	14	17	320		7,237
1999-B	5,902	28,423	0.591	424	154		205	1,322		5		678	13	422		62	13,263	29	33	192		16,802
2000-B	4,924	24,184	0.290	333	174	15	231	628		6	6	1,271	48	128		83	3,687	75	29	292		7,006
2001-B	3,481	16,897	0.189	151	187	16	296	1,058				573	31	8	590		52	8	78	90		3,188
2002-BC	2,497	13,064	0.226	126	204	11	110	467				798	24	287		37	881			9		2,954
2003-BC	1,681	7,965	0.130	133		25	44	221				328	13	37		46	177					1,035
2004-BC	1,744	7,676	0.055	73	10		25	118				76		71		15				38		426
2005-BC	2,791	13,266	0.183	195	113		135	500	19	5	6	712	13	80		25	570			50		2,423
2006-BC	1,351	6,451	0.259	86	50	5	83	365	5			580	5	25		13	362			93		1,672
2007-A	5,972	32,753	0.427	90	4,777	12	449	876	8	11		1,313	27	213		91	4,974	9	94	1,038		13,982
2008-BC	2,957	17,248	0.109	82	442		373	396				352		46		6	152			27		1,876

A = 1975-1990, 1993,1994,2007 CHEQUAMEGON BAY, WASHBURN, BAYFIELD

B = 1991, 1992, 1995, 1998-2006, 2008 ONLY WASHBURN SIDE OF CHEQUAMEGON BAY SURVEYED

C = 2002-2006 MINIMUM DATA SHALLOW WATER SURVEY STARTED WHEN "BOBBING" BEGAN.

other= WAL,NOP,YP

**TABLE 22**  
**WISCONSIN'S LAKE SUPERIOR ICE FISHERY DEEP WATER "BOBBING"**  
**(APOSTLE ISLAND'S) ESTIMATED HARVEST 1989-2008.**

(PERCENT OF TOTAL HARVEST PER YEAR IN PARENTHESES)

YEAR	LAKE	COHO	CHINOOK	BROWN				WHITE	MEN							MULE	TOTAL
	TROUT	SALMON	SALMON	TROUT	SPLAKE	RBT	FATS	FISH	WF	HERR	HOYI	BURBOT	SMELT	NOP	WAE	WF	
1989	733			9	9												751
1990	539	9		11	13												572
1991	762			4	9		4										779
1992	1,343						23										1,366
1993	1,766	21	12	12	13		67		14	44		54					2,003
1994	1,385	11					650	5				15					2,066
	(67.0%)	(0.5%)					(31.5%)	(0.2%)				(0.7%)					
1995	1,224	68	8	10	65		62	17		76		65			75		1,670
	(73.3%)	(4.1%)	(0.5%)	(0.6%)	(3.9%)		(3.7%)	(1.0%)		(4.6%)		(3.9%)			(4.5%)		
1996	1,016	24	22				207	20		11		43	7				1,350
	(75.3%)	(1.8%)	(1.6%)				(15.3%)	(1.5%)		(0.8%)		(3.2%)	(0.5%)				
1997	2,755	8	33		52		663	23		96		275	132				4,037
	(68.2%)	(0.2%)	(0.8%)		(1.3%)		(16.4%)	(0.6%)		(2.4%)		(6.8%)	(3.3%)				
1998	1,620	68	76	51	83	3	10	86		147		167	7				2,318
	(69.9%)	(2.9%)	(3.3%)	(2.2%)	(3.6%)	(0.1%)	(0.4%)	(3.7%)		(6.3%)		(7.2%)	(0.3%)				
1999	4,065	187	6	42	239		216	1,487		216		244	240	3	7		6,952
	(58.5%)	(2.7%)	(0.1%)	(0.6%)	(3.4%)		(3.1%)	(21.4%)		(3.1%)		(3.5%)	(3.5%)	(0.0%)	(0.1%)		
2000	2,857	88	3	18	73		174	2,125		503		85	80				6,006
	(47.6%)	(1.5%)	(0.0%)	(0.3%)	(1.2%)		(2.9%)	(35.4%)		(8.4%)		(1.4%)	(1.3%)				
2001	5,074	262	33	42	56	6	752	1,029		242		158	54		6		7,714
	(65.8%)	(3.4%)	(0.4%)	(0.5%)	(0.7%)	(0.1%)	(9.7%)	(13.3%)		(3.1%)		(2.0%)	(0.7%)		(0.1%)		
2002	531	88	36	15	20		81	280		98		36	421				1,606
	(33.1%)	(5.5%)	(2.2%)	(0.9%)	(1.2%)		(5.0%)	(17.4%)		(6.1%)		(2.2%)	(26.2%)				
2003	2,824	10	54		11		1,470	415		48	5	40	16				4,893
	(57.7%)	(0.2%)	(1.1%)		(0.2%)		(30.0%)	(8.5%)		(1.0%)	(0.1%)	(0.8%)	(0.3%)				
2004	1,791	6					552	458		46		29					2,882
	(62.1%)	(0.2%)					(19.2%)	(15.9%)		(1.6%)		(1.0%)					
2005	4,533	92		5	11		421	2,020		258		127	13				7,480
	(60.6%)	(1.2%)		(0.1%)	(0.1%)		(5.6%)	(27.0%)		(3.4%)		(1.7%)	(0.2%)				
2006	869	17		4	8		42	941		14		88					1,983
	(43.8%)	(0.9%)		(0.2%)	(0.4%)		(2.1%)	(47.5%)		(0.7%)		(4.4%)					
2007	2,740	510		22	38		447	1,688		598		43	386				6,472
	(42.3%)	(7.9%)		(0.3%)	(0.6%)		(6.9%)	(26.1%)		(9.2%)		(0.7%)	(6.0%)				
2008	3,971	231		16	28		123	1,271		30		38					5,708
	(69.6%)	(4.0%)		(0.3%)	(0.5%)		(2.2%)	(22.3%)		(0.5%)		(0.7%)					

**TABLE 23**  
**ICE BOBBING EFFORT, HARVEST RATES AND LAKE TROUT HARVEST RATES BY AREA 1995-2008.**

**APOSTLE ISLANDS**

	ANGL. TRPS	ANGL. HRS.	TOTAL FISH HRVST.	FISH / HOUR	LAKE TROUT HARVEST	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1995	1,412	8,741	1,670	0.191	1,224	0.140	7.141
1996	2,508	13,687	2,237	0.163	1,453	0.106	9.420
1997	3,576	21,126	4,956	0.235	3,280	0.155	6.441
1998	1,758	9,430	2,318	0.246	1,620	0.172	5.821
1999	5,074	27,949	6,952	0.249	4,065	0.145	6.876
2000	3,873	20,699	6,006	0.290	2,857	0.138	7.245
2001	5,525	30,753	7,714	0.251	5,074	0.165	6.061
2002	1,228	6,834	1,606	0.235	531	0.078	12.870
2003	5,313	30,924	4,893	0.158	2,824	0.091	10.950
2004	3,178	16,975	2,882	0.170	1,791	0.106	9.478
2005	6,008	32,365	7,480	0.231	4,533	0.140	7.140
2006	1,062	5,958	1,983	0.333	869	0.146	6.856
2007	3,480	19,287	6,472	0.336	2,740	0.142	7.039
2008	5,412	33,548	5,708	0.170	3,971	0.118	8.448
<b>TOTAL</b>	<b>49,407</b>	<b>278,276</b>	<b>62,877</b>		<b>36,832</b>		
<b>AVE.</b>	<b>3,529</b>	<b>19,877</b>	<b>4,491</b>	<b>0.226</b>	<b>2,631</b>	<b>0.132</b>	<b>7.555</b>

**WESTERN END**

	ANGL. TRPS	ANGL. HRS.	TOTAL FISH HRVST.	FISH / HOUR	LAKE TROUT HARVEST	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1995*							
1996*							
1997*							
1998*							
1999*							
2000*							
2001*							
2002*							
2003							
2004*							
2005*							
2006*							
2007*							
2008*							
<b>TOTAL</b>							

\* NO OR LIMITED FISHING PRESSURE / NOT CREELED

**CORNUCOPIA / BARK BAY**

\* NO / LIMITED FISHING PRESSURE  
 NOT CREELED

	ANGL. TRPS	ANGL. HRS.	TOTAL FISH HRVST.	FISH / HOUR	LAKE TROUT HARVEST	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1995	326	1,561	237	0.152	184	0.118	8.484
1996	1,172	6,881	1,035	0.150	844	0.123	8.153
1997	1,546	8,098	1,371	0.169	1,209	0.149	6.698
1998*							
1999*							
2000	212	1,183	255	0.216	251	0.212	4.713
2001	563	2,918	650	0.223	616	0.211	4.737
2002*							
2003	1,274	6,495	1,017	0.157	994	0.153	6.534
2004	586	3,086	516	0.167	485	0.157	6.363
2005	138	736	139	0.189	125	0.170	5.888
2006*							
2007	156	764	23	0.030	19	0.025	40.211
2008	354	2,163	414	0.191	414	0.191	5.225
<b>TOTAL</b>	<b>6,327</b>	<b>33,885</b>	<b>5,657</b>		<b>5,141</b>		
<b>AVE.</b>	<b>633</b>	<b>3,389</b>	<b>566</b>	<b>0.167</b>	<b>514</b>	<b>0.152</b>	<b>6.591</b>

**TOTAL - ALL AREAS**

	ANGL. TRPS	ANGL. HRS.	TOTAL FISH HRVST.	FISH / HOUR	LAKE TROUT HARVEST	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1995	1,738	10,302	1,970	0.191	1,408	0.137	7.317
1996	3,680	20,568	3,272	0.159	2,297	0.112	8.954
1997	5,122	29,215	6,327	0.217	4,489	0.154	6.508
1998	1,758	9,430	2,318	0.246	1,620	0.172	5.821
1999	5,074	27,949	6,952	0.249	4,065	0.145	6.876
2000	4,085	21,882	6,261	0.286	3,108	0.142	7.041
2001	6,008	33,671	8,364	0.248	5,690	0.169	5.918
2002	1,228	6,834	1,606	0.235	531	0.078	12.870
2003	6,587	37,419	5,910	0.158	3,918	0.105	9.551
2004	3,764	20,061	5,910	0.295	2,276	0.113	8.814
2005	6,146	33,101	7,619	0.230	4,658	0.141	7.106
2006	1,062	5,958	1,983	0.333	869	0.146	6.856
2007	3,636	20,051	6,495	0.324	2,759	0.138	7.267
2008	5,766	35,711	6,122	0.171	4,385	0.123	8.144
<b>TOTAL</b>	<b>55,654</b>	<b>312,152</b>	<b>71,109</b>		<b>42,073</b>		
<b>AVE.</b>	<b>3,975</b>	<b>22,297</b>	<b>5,079</b>	<b>0.228</b>	<b>3,005</b>	<b>0.135</b>	<b>7.419</b>

**TABLE 24  
WISCONSIN'S LAKE SUPERIOR CHARTER EFFORT, HARVEST RATES AND LAKE TROUT  
HARVEST RATES, 1973-2008.**

YEAR	ACTIVE		ANGLER HOURS	TOTAL FISH	FISH / HOUR	ANGL.	LAKE	LAKE	ANGLR.
	GUIDES	ANGLERS				HRS / FISH	TROUT	TROUT / HOUR	HRS / LKT
1973	25	3,907	26,695	4,680	0.18	5.70	4,108	0.15	6.50
1974	24	2,986	19,685	3,263	0.17	6.03	2,423	0.12	8.12
1975	19	3,305	21,765	4,873	0.22	4.47	3,836	0.18	5.67
1976	21	2,566	16,408	2,730	0.17	6.01	2,218	0.14	7.40
1977	19	2,611	16,233	2,977	0.18	5.45	2,442	0.15	6.65
1978	15	2,988	19,691	4,317	0.22	4.56	3,046	0.15	6.46
1979	13	2,711	16,232	4,085	0.25	3.97	3,537	0.22	4.59
1980	14	3,529	22,247	5,836	0.26	3.81	4,798	0.22	4.64
1981	15	2,781	18,019	3,927	0.22	4.59	3,246	0.18	5.55
1982*	18	3,151	20,641	5,860	0.28	3.52	5,302	0.26	3.89
1983*	20	3,377	21,876	6,674	0.31	3.28	5,531	0.25	3.96
1984	29	3,140	20,458	6,084	0.30	3.36	5,355	0.26	3.82
1985	31	3,546	22,817	7,969	0.35	2.86	6,723	0.29	3.39
1986	32	3,173	19,238	5,114	0.27	3.76	3,952	0.21	4.87
1987	42	4,100	25,782	6,603	0.26	3.90	5,423	0.21	4.75
1988	45	4,541	28,190	6,744	0.24	4.18	5,149	0.18	5.47
1989	49	5,174	33,447	7,623	0.23	4.39	4,867	0.15	6.87
1990	50	4,917	30,313	5,270	0.17	5.75	4,098	0.14	7.40
1991	46	4,223	24,937	6,244	0.25	3.99	4,268	0.17	5.84
1992	40	3,337	20,662	4,687	0.23	4.41	3,723	0.18	5.55
1993	38	3,366	19,882	4,550	0.23	4.37	3,635	0.18	5.47
1994	39	3,489	20,800	4,368	0.21	4.76	3,751	0.18	5.55
1995	38	3,120	18,524	4,139	0.22	4.48	3,423	0.18	5.41
1996	35	2,489	14,807	3,466	0.23	4.27	2,780	0.19	5.33
1997	30	2,344	14,350	3,713	0.26	3.86	3,028	0.21	4.74
1998	23	2,289	13,195	3,883	0.29	3.40	3,360	0.25	3.93
1999	26	2,213	13,197	3,860	0.29	3.42	2,931	0.22	4.50
2000	28	2,117	11,928	3,848	0.32	3.10	3,353	0.28	3.56
2001	23	1,794	10,231.5	3,408	0.33	3.00	3,008	0.29	3.40
2002	23	2,374	14,089	4,535	0.32	3.11	3,625	0.26	3.89
2003	26	2,537	14,936	4,170	0.28	3.58	3,425	0.23	4.36
2004	27	2,510	14,614	4,573	0.31	3.20	3,967	0.27	3.68
2005	27	2,435	14,124.5	4,446	0.31	3.18	3,925	0.28	3.60
2006	24	1,774	10,342	2,753	0.27	3.76	2,496	0.24	4.14
2007	25	1,422	8,572	2,368	0.28	3.62	1,972	0.23	4.35
2008	22	1,320	7,961.5	2,061	0.26	3.86	1,813	0.23	4.39
<b>TOTAL</b>		<b>107,656</b>	<b>666,889</b>	<b>165,701</b>			<b>134,537</b>		
<b>AVE.</b>	<b>28</b>	<b>2,990</b>	<b>18,525</b>	<b>4,603</b>	<b>0.25</b>	<b>4.02</b>	<b>3,737</b>	<b>0.20</b>	<b>4.96</b>

\* 1982 AND 1983 FIGURES INCLUDE SOME MINNESOTA AND MICHIGAN TRIPS LANDING IN WISCONSIN PORTS.

**TABLE 25  
WISCONSIN'S LAKE SUPERIOR CHARTER EFFORT, HARVEST AND HARVEST RATES.  
1988-2008. SUPERIOR.**

YEAR	# OF ACTIVE GUIDES	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988	26	1,406	8,145	2,720	0.33	2.99	2,133	0.26	3.82
1989	28	1,694	10,305	3,010	0.29	3.42	1,742	0.17	5.92
1990	26	1,505	9,138	2,061	0.23	4.43	1,467	0.16	6.23
1991	24	1,159	6,905	2,224	0.32	3.10	1,263	0.18	5.47
1992	18	853	5,305	1,296	0.24	4.09	927	0.17	5.72
1993	15	1,045	5,843	1,517	0.26	3.85	974	0.17	6.00
1994	19	956	5,868	1,236	0.21	4.75	986	0.17	5.95
1995	15	714	4,188	847	0.20	4.94	518	0.12	8.08
1996	11	566	3,590	799	0.22	4.49	505	0.14	7.11
1997	9	683	4,613	937	0.20	4.92	518	0.11	8.91
1998	6	513	3,415	775	0.23	4.41	525	0.15	6.50
1999	7	595	3,830	831	0.22	4.61	521	0.14	7.35
2000	7	289	1,884	464	0.25	4.06	307	0.16	6.14
2001	5	36	181	72	0.40	2.51	43	0.24	4.21
2002	4	652	4,521	1,401	0.31	3.23	986	0.22	4.59
2003	6	874	5,367.5	1,599	0.30	3.36	1,029	0.19	5.22
2004	6	854	5,279	1,585	0.30	3.33	1,352	0.26	3.90
2005	5	753	4,359	1,351	0.31	3.23	1,119	0.26	3.90
2006	5	541	3,116	655	0.21	4.76	596	0.19	5.23
2007	6	341	1,607	462	0.29	3.48	367	0.23	4.38
2008	6	302	2,011	494	0.25	4.07	442	0.22	4.55
<b>TOTAL</b>		<b>16,331</b>	<b>99,471</b>	<b>26,336</b>			<b>18,320</b>		
<b>AVE.</b>		<b>778</b>	<b>4,737</b>	<b>1,254</b>	<b>0.26</b>	<b>3.78</b>	<b>872</b>	<b>0.18</b>	<b>5.43</b>

**TABLE 26  
WISCONSIN'S LAKE SUPERIOR CHARTER EFFORT, HARVEST AND HARVEST RATES.  
1988-2008. CORNUCOPIA / PORT WING.**

YEAR	# OF ACTIVE GUIDES	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988	7	709	3,995	1,119	0.28	3.57	769	0.19	5.20
1989	5	838	4,785	1,070	0.22	4.47	562	0.12	8.51
1990	7	867	4,823	983	0.20	4.91	718	0.15	6.72
1991	5	673	3,261	826	0.25	3.95	539	0.17	6.05
1992	7	581	2,960	793	0.27	3.73	585	0.20	5.06
1993	5	382	1,923	463	0.24	4.15	342	0.18	5.62
1994	5	474	2,588	552	0.21	4.69	460	0.18	5.63
1995	4	418	2,016	648	0.32	3.11	452	0.22	4.46
1996	4	345	1,747	799	0.46	2.19	383	0.22	4.56
1997	5	287	1,463	491	0.34	2.98	380	0.26	3.85
1998	4	417	2,095	965	0.46	2.17	767	0.37	2.73
1999	4	341	2,033	755	0.37	2.69	511	0.25	3.98
2000	4	280	1,592	735	0.46	2.17	604	0.38	2.64
2001	4	420	2,397	838	0.35	2.86	669	0.28	3.58
2002	4	465	2,698	1,079	0.40	2.50	856	0.32	3.15
2003	4	381	2,198	704	0.32	3.12	635	0.29	3.46
2004	5	354	1,963	615	0.31	3.19	451	0.23	4.35
2005	5	294	1,709	590	0.35	2.90	470	0.28	3.64
2006	4	231	1,222	331	0.27	3.69	258	0.21	4.74
2007	4	116	72.5	222	0.31	3.27	180	0.25	4.03
2008	4	105	49.7	236	0.47	2.11	186	0.37	2.67
<b>TOTAL</b>		<b>8,978</b>	<b>48,690</b>	<b>14,814</b>			<b>10,777</b>		
<b>AVE.</b>		<b>428</b>	<b>2,319</b>	<b>705</b>	<b>0.30</b>	<b>3.29</b>	<b>513</b>	<b>0.22</b>	<b>4.52</b>

**TABLE 27  
WISCONSIN'S LAKE SUPERIOR CHARTER EFFORT, HARVEST AND HARVEST RATES.  
1988-2008. ASHLAND, BAYFIELD, WASHBURN.**

YEAR	# OF ACTIVE GUIDES	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988	10	2,194	14,449	2,476	0.17	5.84	1,868	0.13	7.74
1989	14	2,372	16,581	3,050	0.18	5.44	2,127	0.13	7.80
1990	15	2,233	14,647	1,895	0.13	7.73	1,590	0.11	9.21
1991	15	2,208	13,448	2,864	0.21	4.70	2,158	0.16	6.23
1992	13	1,758	11,455	2,312	0.20	4.95	1,938	0.17	5.91
1993	16	1,755	10,800	2,243	0.21	4.81	2,012	0.19	5.37
1994	13	1,761	10,404	2,068	0.20	5.03	1,818	0.17	5.72
1995	17	1,708	10,434	2,225	0.21	4.69	1,891	0.18	5.52
1996	18	1,418	8,470	1,865	0.22	4.54	1,655	0.20	5.12
1997	14	1,250	7,502	2,059	0.27	3.64	1,908	0.25	3.93
1998	10	1,126	6,322	1,751	0.28	3.61	1,683	0.27	3.76
1999	13	1,121	6,234	2,003	0.32	3.11	1,650	0.26	3.78
2000	15	1,365	7,360	2,342	0.32	3.14	2,146	0.29	3.43
2001	13	1,248	7,089.5	2,341	0.33	3.03	2,146	0.30	3.30
2002	14	1,196	6,529	1,975	0.30	3.31	1,711	0.26	3.82
2003	14	1,151	6,498.5	1,649	0.25	3.94	1,550	0.24	4.19
2004	14	1,133	6,224	2,002	0.32	3.11	1,823	0.29	3.41
2005	14	1,162	6,620	2,153	0.33	3.07	1,989	0.30	3.33
2006	12	855	5,043	1,566	0.31	3.22	1,444	0.29	3.49
2007	11	871	5,005	1,453	0.29	3.44	1,206	0.24	4.15
2008	8	676	3,914.5	1,012	0.26	3.87	873	0.22	4.48
<b>TOTAL</b>		<b>30,561</b>	<b>185,029</b>	<b>43,304</b>			<b>37,186</b>		
<b>AVE.</b>		<b>1,455</b>	<b>8,811</b>	<b>2,062</b>	<b>0.23</b>	<b>4.27</b>	<b>1,771</b>	<b>0.20</b>	<b>4.98</b>

**TABLE 28  
WISCONSIN'S LAKE SUPERIOR CHARTER EFFORT, HARVEST AND HARVEST RATES.  
1988-2008. SAXON HARBOR.**

YEAR	# OF ACTIVE GUIDES	ANGLER TRIPS	ANGLER HOURS	TOTAL FISH HARVEST	FISH / HOUR	ANGLR. HRS / FISH	# OF LAKE TROUT	LAKE TROUT / HOUR	ANGLR. HRS / LKT
1988	2	232	1,601	429	0.27	3.73	379	0.24	4.22
1989	2	270	1,840	523	0.28	3.52	436	0.24	4.22
1990	2	312	1,705	331	0.19	5.15	314	0.18	5.43
1991	2	183	1,323	333	0.25	3.97	308	0.23	4.30
1992	2	145	94.3	286	0.30	3.30	273	0.29	3.45
1993	2	184	1,316	323	0.25	4.07	307	0.23	4.29
1994	2	298	1,940	512	0.26	3.79	487	0.25	3.98
1995	2	280	1,886	419	0.22	4.50	382	0.20	4.94
1996	2	160	1,000	262	0.26	3.82	237	0.24	4.22
1997	2	124	77.2	226	0.29	3.42	222	0.29	3.48
1998	2	233	1,363	389	0.29	3.50	385	0.28	3.54
1999	2	156	1,100	271	0.25	4.06	249	0.23	4.42
2000	2	183	1,093	307	0.28	3.56	296	0.27	3.69
2001	1	90	56.4	157	0.28	3.59	150	0.27	3.76
2002	1	61	34.1	80	0.23	4.26	72	0.21	4.74
2003	2	131	87.2	218	0.25	4.00	211	0.24	4.13
2004	2	169	1,148	371	0.32	3.09	341	0.30	3.37
2005	3	226	1,437	352	0.24	4.08	347	0.24	4.14
2006	3	147	96.1	201	0.21	4.78	198	0.21	4.85
2007	4	194	1,235	231	0.19	5.35	219	0.18	5.64
2008	4	237	1,539	319	0.21	4.82	312	0.20	4.93
<b>TOTAL</b>		<b>4,015</b>	<b>25,979</b>	<b>6,540</b>			<b>6,125</b>		
<b>AVE.</b>		<b>191</b>	<b>1,237</b>	<b>311</b>	<b>0.25</b>	<b>3.97</b>	<b>292</b>	<b>0.24</b>	<b>4.24</b>



**TABLE 29**  
**WISCONSIN'S LAKE SUPERIOR CHARTER FISHERY HARVEST 1987 - 2008.**

(PERCENT OF TOTAL HARVEST PER YEAR IN PARENTHESES)

YEAR	LAKE TROUT	COHO SALMON	CHINOOK SALMON	BROWN TROUT	RAINBOW TROUT	SPLAKE	ATL. SALMON	PINK SALMON	FATS	WALLEYE	NORTH. PIKE	BROOK TROUT	YEP	OTHER	TOTAL HARVEST
<b>1987</b>	5,432	520	458	72	69	38				9				5	<b>6,603</b>
<b>1988</b>	5,149	850	576	81	48	23				7				10	<b>6,744</b>
<b>1989</b>	4,867	1,761	684	145	92	31	12			15				5	<b>7,612</b>
<b>1990</b>	4,098	459	452	125	25	10	5			69				27	<b>5,270</b>
<b>1991</b>	4,268	848	333	131	20	6	9		4	616				9	<b>6,244</b>
<b>1992</b>	3,723	312	305	135	13	10	8		3	170				8	<b>4,687</b>
<b>1993</b>	3,635	269	400	73	7	4	4		1	145				12	<b>4,550</b>
<b>1994</b>	3,751	331	111	45	10	22	1			88				9	<b>4,368</b>
<b>1995</b>	3,243	536	213	72	7	10	2			45				11	<b>4,139</b>
<b>1996</b>	2,780	368	196	33	3	19				63				4	<b>3,466</b>
<b>1997</b>	3,028	280	266	41	9	11	2		13	60				1	<b>3,711</b>
<b>1998</b>	3,360 (86.5%)	228 (5.9%)	194 (5.0%)	32 (0.8%)	6 (0.2%)	5 (0.1%)	1 (0.0%)			47 (1.2%)				10 (0.3%)	<b>3,883</b>
<b>1999</b>	2,931 (75.9%)	542 (14.0%)	219 (5.7%)	61 (1.6%)	23 (0.6%)	30 (0.8%)	7 (0.2%)			35 (0.9%)				12 (0.3%)	<b>3,860</b>
<b>2000</b>	3,353 (87.1%)	174 (4.5%)	178 (4.6%)	75 (1.9%)	8 (0.2%)	4 (0.1%)	2 (0.1%)	2 (0.1%)		47 (1.2%)	5 (0.1%)				<b>3,848</b>
<b>2001</b>	3,008 (88.3%)	229 (6.7%)	65 (1.9%)	51 (1.5%)	14 (0.4%)	7 (0.2%)				31 (0.9%)	3 (0.1%)				<b>3,408</b>
<b>2002</b>	3,625 (79.9%)	425 (9.4%)	249 (5.5%)	69 (1.5%)	31 (0.7%)	9 (0.2%)	3 (0.1%)			123 (2.7%)		1 (0.0%)			<b>4,535</b>
<b>2003</b>	3,425 (82.1%)	86 (2.1%)	164 (3.9%)	41 (1.0%)	8 (0.2%)	6 (0.1%)	1 (0.0%)		4 (0.1%)	429 (10.3%)	3 (0.1%)	2 (0.0%)		1 (0.0%)	<b>4,170</b>
<b>2004</b>	3,967 (86.7%)	208 (4.5%)	242 (5.3%)	48 (1.0%)	16 (0.3%)	4 (0.1%)	3 (0.1%)		1 (0.0%)	81 (1.8%)	2 (0.0%)		1 (0.0%)		<b>4,573</b>
<b>2005</b>	3,925 (88.3%)	197 (4.4%)	175 (3.9%)	67 (1.5%)	18 (0.4%)	4 (0.1%)				54 (1.2%)	4 (0.1%)			2 (0.0%)	<b>4,446</b>
<b>2006</b>	2,496 (90.7%)	99 (3.6%)	67 (2.4%)	42 (1.5%)	8 (0.3%)	8 (0.3%)	2 (0.1%)		4 (0.1%)	26 (0.9%)	1 (0.0%)				<b>2,753</b>
<b>2007</b>	1,972 (83.3%)	252 (10.6%)	54 (2.3%)	60 (2.5%)	9 (0.4%)	6 (0.3%)				13 (0.5%)	2 (0.1%)				<b>2,368</b>
<b>2008</b>	1,813 (88.0%)	134 (6.5%)	46 (2.2%)	46 (2.2%)	7 (0.3%)	9 (0.4%)			1 (0.0%)	4 (0.2%)				1 (0.0%)	<b>2,061</b>

**TABLE 30  
REGISTERED STURGEON SPORT HARVEST IN CHEQUAMEGON BAY, 1983-2008.**

YEAR	ANGLER TAGS ISSUED*	TOTAL REPORTED HARVEST	# HARVESTED ? 50"	AVERAGE SIZE(in)	AVERAGE WEIGHT(lb)
1984	unknown	3	1	47.3	unknown
1985	unknown	5	3	51.8	unknown
1986	unknown	4	1	48.4	28.0
1987	unknown	0	0	--	--
1988	unknown	14	8	49.6	30.6
1989	unknown	11	2	46.6	28.0
1990	unknown	7	2	49.9	33.5
Sturgeon minimum size limit increased from 40" to 50" in 1991.					
1991	unknown	2	2	55.8	44.5
1992	unknown	0	0	--	--
1993	unknown	1	1	64.0	55.0
1994	140	0	0	--	--
1995	unknown	2	2	63.0	59.0
1996	unknown	0	0	--	--
1997	97	1	1	57.8	46.0
1998	92	1	1	54.0	32.0
1999	124	6	6	55.3	40.2
2000	111	0	0	--	--
2001	74	2	2	51.75	--
2002	102	3	3	51.5	--
2003**	93	1**	1	52.0	--
2004	104	4	4	58.6	--
2005 #	unknown	1	1	55.25	34.0
2006	unknown	0	0	--	--
2007	unknown	1	1	51.0	38.0
2008	unknown	2	2	55.5	--

Sturgeon minimum size limit increased from 40" to 50" in 1991.

\*Angler tags issued (Ashland, Bayfield, Washburn area only).

\*\* The Sturgeon Harvested in 2003 was reported during Dec. 2004.

# = Starting 1/1/05 hook and line Sturgeon angler tags issued through the ALIS license system replacing the metal tags.

APPENDIX 1.

LAKE SUPERIOR CREEL SURVEY TIME INTERVAL COUNT RANDOMIZATION  
 ROUTE = "PORT WING" MONTH = 'JULY' DAYTIME = 'WEEKEND' SHIFT = 'AM'

DATE (MM/DD/YY): \_\_\_\_ / \_\_\_\_ / \_\_\_\_

N=5

WEEKDAY (1) WEEKEND/HOLIDAY (2)

---

TIME	LOCATION	CODE	TIME ARRIVED	TIME DEPARTED	WEIGHTED COI
7:00	TRAVEL				
7:07	CORNUCOPIA	520	_____ : _____	_____ : _____	_____ : _____
8:56	TRAVEL				
9:11	BARK POINT	540	_____ : _____	_____ : _____	_____ : _____
9:46	TRAVEL				
9:54	HERBSTER	545	_____ : _____	_____ : _____	_____ : _____
10:05	TRAVEL				
10:17	PORT WING	555	_____ : _____	_____ : _____	_____ : _____
13:32	TRAVEL				
14:00	END OF SHIFT		_____ : _____	_____ : _____	_____ : _____

APPENDIX II

**DAILY PRESSURE CHECK**

DATE \_\_\_\_\_

CHECKPOINT \_\_\_\_\_

# MINUTES AT CHECKPOINT \_\_\_\_\_

RESIDENT VEHICLES		NON. RESIDENT VEHICLES		HARBOR BOATS	
INITIAL PRESSURE =		INITIAL PRESSURE =		INITIAL PRESSURE =	
START FISHING(+)	STOP FISHING(-)	START FISHING(+)	STOP FISHING (-)	START FISHING (+)	STOP FISHING (-)
<b>TOTAL START</b>	<b>TOTAL STOP</b>	<b>TOTAL START</b>	<b>TOTAL STOP</b>	<b>TOTAL START</b>	<b>TOTAL STOP</b>
<b>TOTAL START - TOTAL STOP</b>		<b>TOTAL START - TOTAL STOP</b>		<b>TOTAL START - TOTAL STOP</b>	
<b>TOTAL RESIDENT PRESSURE + TOTAL NONRESIDENT PRESSURE + TOTAL HARBOR PRESSURE</b>					
<b>TOTAL TIME INTERVAL PRESSURE =</b>					

**APPENDIX III. 2008 OPEN WATER CREEL ROUTES AND SHIFT TIMES.**

ROUTE / PORT	START DATES	SHIFT TIMES	NUMBER OF NON-OVERLAPPING SHIFTS	TYPE OF CREEL	COMMENTS
ONE ROUTE: 1/2 TIME CORNUCOPIA / BARK POINT / PORT WING 1/2 TIME WASHBURN (AND MARINA)	C / BP / PW 04/22/2008 WASHBURN 05/03/2008	APRIL, SEPT: AM SHIFT 7am-2pm, PM SHIFT 2pm-8pm. MAY-AUG: AM SHIFT 7am-2pm PM SHIFT 2pm-9pm.	2 WEEKEND 2 WEEKDAY	SINGLE LOOP TIME INTERVAL	BOTH WEEKEND DAYS THREE RANDOM WEEKDAYS
ONE ROUTE: SAXON (1/2 TIME)	04/29/2008	WEEKEND: 7am-9pm(8pm April) WEEKDAY: 7am-10:30am 10:30am-2pm; 2pm-5:30pm 5:30pm-9pm(8pm April)	2 WEEKEND 4 WEEKDAY	TIME INTERVAL ONE SITE	ONE WEEKEND DAY, 2 or 3 WEEKDAYS.
ONE ROUTE: SUPERIOR (BARKER'S ISLAND) (FULL TIME)	05/01/2008	5:30am-1:30pm 1:30am-9:30pm	2 WEEKEND 2 WEEKDAY	SINGLE LOOP TIME INTERVAL	BOTH WEEKENDS DAYS TWO RANDOM WEEKDAYS

OPEN WATER CREEL ENDED 9/30/08

**APPENDIX IV. INTERVIEW FORM.**

CHECK POINT \_\_\_\_\_ DATE \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ WEEKDAY - 1 WEEKEND - 2  
MONTH DAY YEAR

1 - OPEN COLD WTR	4 - ICE COOL WTR	7 - PLEASURE	FISHED IN:		TRIP:				
2 - OPEN COOL WTR	5 - ICE BOBBING	8 - SHORE ANGLER	1 - WI	4 - WI / MN	1 - COMPLETE	2 - INCOMPLETE			
3 - ICE SHALLOW WTR	6 - STREAM	9 - TRIBAL	2 - MN	5 - WI / MI	AREA FISHED:				
ANGLERS IN PARTY _____			3 - MI		TIME START _____				
SUCCESSFUL ANGLERS _____			1 - RESIDENT		TIME END _____				
			2 - NONRESIDENT						
			3 - RES. / NON RES.						
FISH SPECIES _____			# LEGAL _____		# SUBLEGAL _____				
RELEASED SPECIES _____			# LEGAL _____		# SUBLEGAL _____				
SPECIES	CODE	LENGTH	FINCLIP	TAG/COLOR	SPECIES	CODE	LENGTH	FINCLIP	TAG/COLOR

TOTAL # FISH KEPT \_\_\_\_\_ COMMENTS \_\_\_\_\_

**FIN CLIP CODES:** NO CLIP - 00, ADIPOSE - 01, ADLR - 02, ADRR - 03, ADLF - 04, ADRF - 05, LR - 06, RR - 07, LF - 08, RF - 09, BR - 10, RFLR - 11, BRAD - 12, D - 13, LFRR, 15, RFD - 17, LFLR - 20, DAD - 21, LFD - 23, LRD - 24, HATCHERY - 25, NO CHECK - 40, BF - 96.  
**SPECIES CODE:** BLKCRP-005, BROOK-006, BURBOT-011, HERRING-033, FAT-34, LT-35, SPLAKE-36, NOP-43, BROWN-45, RBT-46, ROCK BASS-047, CHINOOK-48, COHO-49, PINK-51, ATL. SAL-52, SMELT-60, STURGEON-62, LMB-66, SMB-67, WF-70, MENW F-71, YEP-76, WAL-78

**APPENDIX V. 2008 ICE CREEL ROUTES AND SHIFT TIMES.**

ROUTE / PORT	START DATES	SHIFT TIMES	NUMBER OF NON-OVERLAPPING SHIFTS	TYPE OF CREEL	COMMENTS
WASHBURN - BAYFIELD - MADELINE ISLAND - CORNUCOPIA	01/22/08 - 03/25/2008	9:00am - 5:00pm	1 weekend 1 weekday	stratified 2 counts	2 weekend shifts 3 weekday shifts

# APPENDIX VI. VEHICLE PRESSURE

DATE \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
MONTH DAY YEAR

WEATHER: \_\_\_\_\_  
 TIME \_\_\_\_\_

DAY TYPE: (1) WEEK DAY  
 (2) WEEKEND/HOLIDAY

AIR TEMP \_\_\_\_\_

PRECIP. \_\_\_\_\_

SITE #	LOCATION	TIME	VEHICLES				COMMENTS
			RESIDENT		NON-RESIDENT		
305	"S" CURVE						
307	THOMPSON PARK						
311	WEST END						
315	WASHB. MARINA						
319	WASHB. COAL DK						
321	MEMORIAL PARK						
331	BODIN RESORT						
341	SIOUX RIVER						
343	ONION R. BEACH						
345	ONION R. MOUTH						
351	PIKES BAY						
355	PORT SUPERIOR						
363	BAYFIELD						
366	ROY'S POINT						
370	RED CLIFF						
380	PAG. GROUNDS						
390	RASPBERRY BAY						
204	2nd LANDING						
234	ASH. BOAT CLUB						
246	TREBAS						
256	REIS COAL DOCK						
258	KREHER PARK						
270	HOT POND						
282	BELL SLIP						
289	SAND BAR						
401	K'PUNKY BAY						
410	JACK STEWART						
420	KRON BEACH						
440	NE TIP MAD. ISL.						
450	RUSSEL BAY						
470	ICE ROAD						
471	O'BREINS						
480	LaPOINTE PARK						
515	MARTENSON RD.						
520	CORNUCOPIA						
530	ROMAN POINT						
540	BARK POINT						

**APPENDIX VII. SPORT TROLLING LICENSE MONTHLY REPORT FORM (#9400-249).**

The shaded areas must be filled out within 1/2 hour after completing each trip, after returning to dock or shore.  
The unshaded areas must be filled out prior to midnight of the day of each trip.

State of Wisconsin  
Department of Natural Resources

**Sport Trolling License Monthly Report**  
Form 9400-249 (R/1/04)  
Page 1 of 2

**Notice:** Completion of this form is mandatory. Failure to complete and submit this form may result in a maximum forfeiture of \$100.00 plus assessments and costs pursuant to s. 29.514(2) Wis. Stats. Personally identifiable information on this form will be used to administer the sports trolling program and for research purposes. Wisconsin's Open Records Law s. 19.31-19.39, Wis. Stats., requires the Department to provide this information upon request.

Day	Grid Number (4 Digits)	Number of Anglers		Total Fish Harvested	AM, PM, EVE (Circle One)	Fishing Port							Tag Numbers (6 Digits)	Year				
		Resident	Non Resident			Number of Lines	Hours Fished	Lake Trout	Coho Salmon	Brown Trout	Rainbow Trout	Chinook Salmon		Other Identify	Month	Chinook Number Lamprey Attached	Lakers	
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													
					AM PM EVE													

I hereby certify that the above information is true and accurate. I have read and understand the reporting requirements on the reverse side.

Prepared By \_\_\_\_\_ Date Signed \_\_\_\_\_

DNR COPY

## APPENDIX VIII. LENGTH WEIGHT EQUATIONS

DATA OBTAINED FROM VARIOUS WI DNR ASSESSMENTS INCLUDING:

SPRING INDEX 2002-2008

1 HOUR GILL NET 2004-2005

SUMMER INDEX 2001-2008

DIET WORK 1998-2000

### BROWN TROUT (NATIVE + HATCHERY)

$LN(WT\ g) = -12.410 + 3.162 (LN\ LENGTH\ mm)$

Observations = 33

### BURBOT

$LN(WT\ g) = -12.555 + 3.132 (LN\ LENGTH\ mm)$

Observations = 191

### SISCOWET LAKE TROUT (FATS)

$LN(WT\ g) = -12.961 + 3.199 (LN\ LENGTH\ mm)$

Observations = 709

### LAKE HERRING

$LN(WT\ g) = -10.893 + 2.837 (LN\ LENGTH\ mm)$

Observation = 188

### MENOMINEE WF REGRESSION

$LN(WT\ g) = -12.840 + 3.204 (LN\ LENGTH\ mm)$

Observations = 63

### NORTHERN PIKE

$LN(WT\ g) = -16.09087 + 3.6193782 (LN\ LENGTH\ mm)$

Observations = 48

### SPLAKE

$LN(WT\ g) = -12.39372 + 3.1396534 (LN\ LENGTH\ mm)$

Observations = 63

### WALLEYE

$LN(WT\ g) = -12.496 + 3.143 (LN\ LENGTH\ mm)$

Observations = 73

### YELLOW PERCH

$LN(WT\ g) = -11.24584 + 2.9836053 (LN\ LENGTH\ mm)$

Observations = 37

### LAKE WHITEFISH

#### SPRING INDEX 2008

$LN(WT\ g) = -12.565 + 3.148 (LN\ LGTH\ mm)$

Observations = 782

### RAINBOW TROUT

Fish Mgmt. Report No. 123. Migratory Brown Trout and Rainbow Trout Populations of the Brule River, Wisconsin (1984).

males  $W = 0.00074 L^{2.79248}$

R Square 0.84

Observations 100

females  $W = 0.00075 L^{2.78982}$

Observations 100

### CHINOOK SALMON

Minnesota DNR Investigational Report # 382, Growth and Fecundity of Chinook Salmon in Western Lake Superior (July 1985)

$LN(WTg) = -12.67 + 3.18 (LN\ length\ mm)$

### COHO SALMON

$LN(WT\ g) = -8.0592 + 2.4238 (LN\ length\ mm)$

### RAINBOW SMELT

$LN( WT\ g) = -5.545 + LN( LENGTH\ mm) 3.119$

### LAKE TROUT (NATIVE)

SPRING INDEX 2008 SUMMER INDEX 2008

$LN(WT\ g) = -12.008 + 3.045 (LN\ LENGTH\ mm)$

Observations = 644

### LAKE TROUT (HATCHERY)

SPRING INDEX 2004 -08. SUMMER INDEX 2004-08.

$LN(WT\ g) = -13.184 + 3.237 (LN\ LENGTH\ mm)$

Observations = 193

### LAKE TROUT (NATIVE AND HATCHERY)

SPRING INDEX 2004-08. SUMMER INDEX 2004-08.

$LN(WT\ g) = -12.266 + 3.087 (LN\ LENGTH\ mm)$

Observations = 837



FIGURE 1. MAJOR PORTS CREELED AND WISCONSIN MANAGEMENT ZONES.

