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AN EVALUATION OF WATER SURFACE USE OF LAKES IN CENTRAL MINNESOTA

A Methodology and Data Report

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METHODOLOGY AND DATA REPORT Water Surface Use in Central Minnesota

I. <u>INTRODUCTION</u>

One of the important functions of the Minnesota Department of Natural Resources (DNR) is water surface management of Minnesota lakes. To carry out this responsibility, the DNR collects data on the recreational use levels and patterns that lakes are experiencing. Since resources are not available to permit studying each of the state's numerous lakes individually, the DNR has initiated a program of studying a representative sample of lakes within regions of the state.

In 1984, the DNR began the program with a pilot project within the seven county metropolitan area. The results of this study are presented in a report entitled, "An Evaluation of Water Surface Use of Lakes in the Seven County Metropolitan Area," dated December 1984, by Biocentric, Inc.

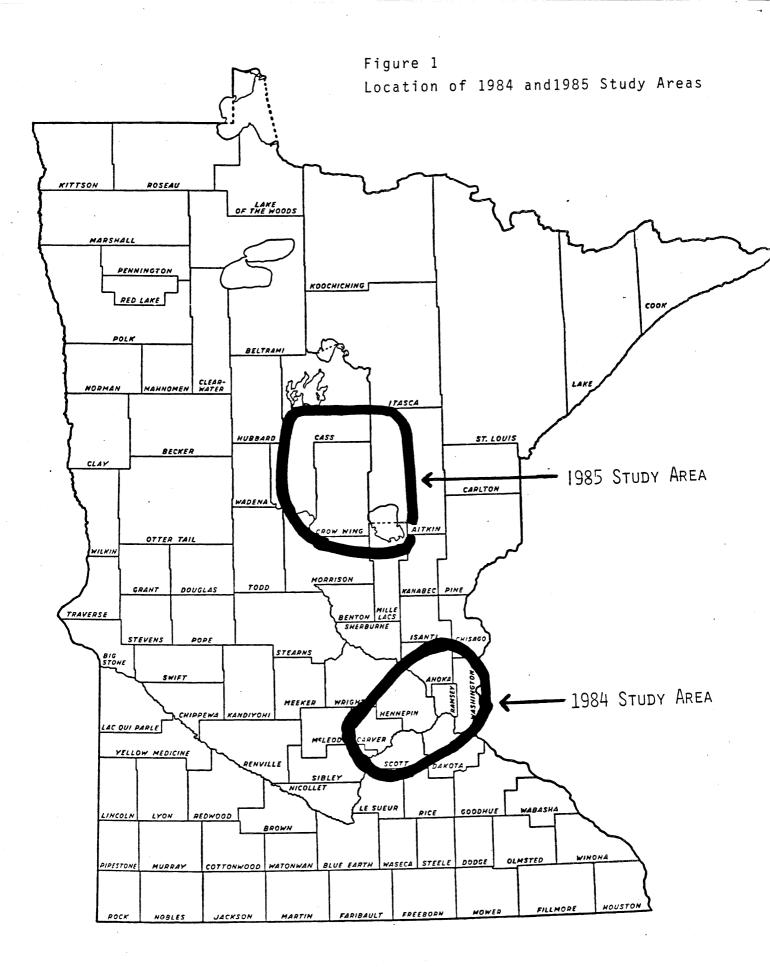
In May of 1985, the Minnesota Department of Natural Resources again contracted with Biocentric, Inc. to design and implement a similar program on lakes in the central Minnesota counties of Mille Lacs, Aitkin, Crow Wing and Cass. The study area is shown in Figure 1, which also shows the location of the 1984 study.

A. OBJECTIVES

The objective of the project was to develop comprehensive data on water surface use for the lakes in the selected area by both private shoreline access and public access users.

To meet this objective, a four-pronged effort was conducted from the opening of fishing season on May 18, 1985 until the end of September. The four separate but coordinated efforts were:

1. A series of interviews was conducted at access points. The surveys were conducted at various times of the season, at various days of the week and at various hours of the day. The purpose of the interviews was to determine the type of boats that were used, the time period that the boaters were on the lake, the relative frequency of boating activity by individuals, distance traveled to go to the lake, attitudes toward the density of lake surface usage by other boats, adequacy of launching facilities and various safety parameters.



- 2. A survey of guests at resorts around the lakeshore. The survey contained questions of a similar nature relating to attitudes toward lake usage, safety problems as well as the frequency and duration of their own use of the lake.
- 3. A survey of residents around the lakeshore. The survey contained questions of a similar nature relating to attitudes toward lake usage, safety problems as well as the frequency and duration of their own use of the lake.
- 4. An aerial survey of lake and access usage. This portion of the study was accomplished by flying over each of the 49 lakes included in the study ten times during the summer boating season. The total number of boats using the lake at a given time was determined. The geographical distribution of boats on the lake was identified by dividing the lake up into various sampling areas. Each boat on the lake was classified by the type of boating activity as well as its location on the lake. Accesses, marinas, resorts and campgrounds were observed to determine where boats were launched and in what proportion.

B. GOALS

The study goals were as follows:

- 1. Measure boater attitudes concerning safetyrelated issues such as:
 - a. Perception of lake crowding as related to boating safety,
 - b. Occurrence of specific safety problems,
 - c. Participation in boating safety courses,
 - d. Alcohol use by boat operators and
 - e. Awareness of boating use restrictions and perceptions of needed restrictions.
- 2. Describe boat/boater characteristics such as:
 - a. Boat type, engine size,
 - Activity, boating time, fuel consumption and
 - c. Distance traveled by land, for and money spent on, boating activities.
- 3. Evaluate access characteristics including:
 - Overall adequacy of launching and landing as perceived by boaters,
 - b. Problems encountered and improvements needed and
 - c. Identification of specific access features liked.

- 4. Measure the number of boaters using accesses at different times in the season, times in a week, time of day from different lake categories.
- 5. Ascertain the attitudes and use statistics of persons who reside on the lake in proportion to their use contribution.
- 6. Ascertain the volume of boating use of the study area lakes, classified by source of access to the lake.

II. SURVEY METHODOLOGY AND RESULTS

The project goals were addressed through a series of four survey efforts conducted at 49 representative lakes throughout the study area. The first five goals were addressed by interviewing boaters at accesses and interviewing homeowners, cabin owners and guests of resorts on the selected lakes. The sixth objective was addressed by a visual survey of boating use conducted during aerial overflights and observations of activity at accesses. Methods used in these three survey efforts are as follows:

A. LAKE SELECTION AND CHARACTERISTICS

There are approximately 225 non-game lakes of 150 acres of more in size in the study area. A listing of these lakes and characteristics describing them is provided in Appendix A. Figure 2 presents a map showing the distribution of lakes in the study area. Figure 3 presents a map showing the location of lakes selected for this study. Table 1 presents the list of lakes and their characteristics that were selected for this study. As presented in Appendix A and Table 1, it can be seen that the lakes are grouped into categories (A-Z) based on lake size, fishery characteristics, water quality and shoreland development. The sample of lakes chosen for this study was taken to represent categories A, B and C of the population as a whole. In addition, the sample lakes were chosen to represent both lakes with and without public access.

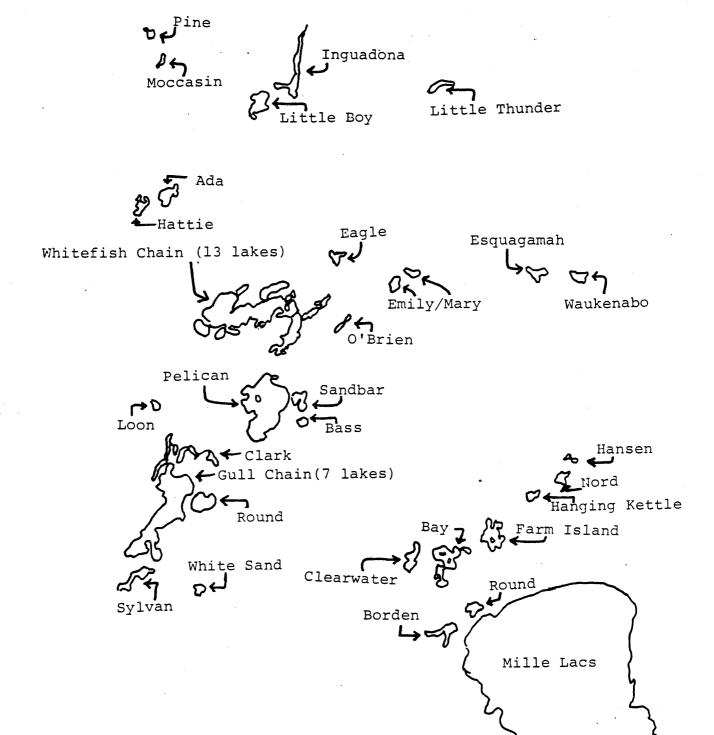
In the study area there are four large lakes or lake groupings (chain of lakes) that are of special interest to the DNR. These are as follows:

Mille Lacs
 Pelican
 I lake - 132,516 acres
 I lake - 8,468 acres
 Gull chain
 I lake - 10,635 acres
 Whitefish chain
 lakes - 18,731 acres

Because of their size and prior knowledge of the extent of boating activity, the DNR identified these lakes of highest priority and all were included in the study. Remaining lakes in the study were chosen to represent lakes in categories A, B and C.



Figure 3
Distribution of Lakes Selected for Study in 1985



6/20/85

TABLE 1
Characteristics of Lakes Selected for Study

Lake Numbe	er	County	Rating	Area (Acres)	Shore (Miles)	Public Accesses	Parking Places	Housing Units (1982)	Resort Units ('76-'78)	Resort Units (1985)	Camp- sites ('76-'78)	Marina Rentals ('76-'78)	Development Classification	Lake Type	
	TOP PRIORITY LAKES	5													
480002	Mille Lacs	Mille Lacs	A111	132,516	76.2	12		2146	434	N/A	1714		General Development		9
110305	6u11	Cass	A111	9,541	38.0	3	22	490	612	723	111	254	General Development		9
	*Love	Crow Wing													
	*Margaret	Cass	B412	230	5.3	0	0		19	3	-		Natural Environment		8
	+Ni ssua	Crow Wing	C413	213	2.6	0	0	60	32	3	. 0	23	Not Available		8
	≇ Ray														
180398	,	Crow Wing	B412	306	5.2	0	0		8	12		_	Not Available		8
	*Upper Gull	Cass	B412	345	7.5	0	0			32			General Development		8
	•	Crow Wing	A111	7,969	28.4	0	0	••••	158	147	5		General Development		9
	*Whitefish, Upper	•		760	7.4	0	0			38	•		General Development		8
180366		Crow Wing		285	3.8	0	0		0	0	0	_	Recreational		9
180355		Crow Wing		353	3.8	0	•			12			General Development		9
	#Big Trout	Crow Wing		1486	8.6	0	0	269	44	12	- 0		General Development		9
	*Clamshell	Crow Wing		238	4.4	1	10	•	25	25			General Development		9
180312		-	A211	1884	18.3	3	45	527	62	28			General Development		9
180271		Crow Wing		284	5.2		0			0	•		Not Available		9
	*Island -	-	B411	193	4.2	0	0	98	0	0	0	-	Not Available		8
180266	*Little Pine	Crow Wing		384	7.5	0	0		6	4			Not Available		9
180378	•	Crow Wing		720	4.0	1	25		-	9			General Development		9
180354	•	Crow Wing		213	5.6	0	0		• •	13	-		General Development		7
	#Rush/Hen	Crow Wing		782	N/A	0	0	231	16	27	2		General Development		9
	Pelican 	Crow Wing		8,468	22.7	3 :=======	25 		290 	327	77 		General Development		9 :====
	PRIORITY A LAKES ·		2											•	
110250		Cass	A211	1044	7.3	1	10	N/A	25	22	0	10	Recreation		9
180034		Crow Wing		2435	18.8	1	0	592		97			Recreation		8
	Farm Island	Aitkin	A212	2025	12.6	i	0			35			Recreation		9
180373		Crow Wing		1706	6.4	1	5			18			General Development		9
180251		Crow Wing	A311	974	3.1	1	8			5			Recreation		8
110304		Cass	A311	882	9.6	1	10			38			General Development		8
1	No Public Access I	Lakes													
180020		Crow Wing	A212	1038	11.0	0	0	122	13	0	20	22	General Development		В
	Clearwater	Crow Wing		917	8.5	0				5			Recreation		8
	Inguadona	Cass	A312	935	10.5	Ö	0		2	2	• •	_	General Development		9
	Round	Aitkin	A311	736	5.0	0	-			0	_		Recreation		8

TABLE 1 (cont.)
Characteristics of Lakes Selected for Study

6/20/85

ike Numb	per	County	Rating	Area (Acres)	Shore (Miles)	Public Accesses	Parking Places	Housing Units (1982)	Resort Units ('76-'78)	Resort Units (1985)	Camp- sites ('76-'78)	Marina Rentals ('76-'78)	Development Classification	Lake Type	
	PRIORITY B LAKES	- Category	3												
	Public Access La	kes													
180374	Clark	Crow Wing	B412	309	5.0	1	. 5	116	- 33	27	10	31	General Development		8
180203	Emily/Mary	Crow Wing	B313	675	4.8	1	2	81	10	20	11	17	General Development		8
110167	Little Boy	Cass	B213	1396	9.0	1	3	92	19	14	2	19	Recreation		9
10117	Nord	Aitkin	B412	414	5.1	1	0	60	0.	0	0	0	Recreation		8
10136	Waukenabo	Aitkin	B313	819	4.6	1	0	77	13	0	0	19	Recreation		9
	No Public Access	Lakes					•								
10147	Esquagamah	Aitkin	B313	808	6.1	0	0	82	9	0	0	2	Recreation		9
110232	Hattie	Cass	B133	592	6.6	0	0	37	19	16	8	26	Recreation		8
110296	Moccasin	Cass	B412	259	4.7	ŧ	0	13	0	0	0	0	Recreation		8
180227	O'Brien	Crow Wing	B411	203	4.8	0	0	142	0	0	0	0	General Development		В
	PRIORITY C LAKES		4	2222222						3					
	Public Access La														
180296	Eagle	Crow Wing	C	356						0					
10132	Hansen	Aitkin	C413	200	3.3	1	7	8	0	0	0	. 0	Natural Environment		5
110009	Little Thunder	Cass	C414	26 4	6.3	1	0	38	3	0	0	. 4	Recreation		8
110226	Loon	Cass	C414	220	2.6	1	5	30	1	0	100	5	Recreation		8
180379	White Sand	Crow Wing	C413	441	3.3	1	7	161	4	6	0	. 4	Not Available		9
	No Public Access	Lakes													
10170	Hanging Kettle	Aitkin	C413	320	3.7	0	0	61	12	. 0	0	17	Recreation		8
180256		Crow Wing	C413	386	2.6	0	0	51	12	0	4	22	Recreation		9
110292	Pine	Cass	C413	256	2.6	0	0	3	. 7	7	0	0	Recreation		9

•,

B. INTERVIEWING METHODOLOGY

One of the primary efforts of this study was to interview boaters concerning their perceptions of the safety aspects of their boating experience, the adequacy of the access facilities which they used and the types of boating activities pursued. The procedures used in accomplishing the goals of this part of the project are as follows:

1. <u>Sample Size</u>. The original sampling design was based on experience in the 1984 seven county metropolitan area lakes study. As a result, a total of 454 hours were scheduled for access interviews and 190 hours were scheduled for homeowner interviews. This interview schedule was expected to yield approximately 800 access interviews and 400 homeowner interviews. This ratio was expected to approximate the relative proportion of boats from these sources. As the season progressed, it became apparent the total number of boats using the lakes under study was much fewer than originally anticipated, and the relative proportion of boaters using public accesses was less than half of expectations.

More than 500 hours were devoted to access interviews and resulted in 239 completed questionnaires. More than 400 hours were devoted to homeowner (permanent and seasonal), and resort interviews and resulted in 539 resident and 143 resort quest interviews.

- 2. Locational Selection Access Interviews.
 Interviews were conducted at various accesses around the 38 lakes having such accesses. A list of accesses and their codes is given in Table 2. Public accesses are those identified as such in the Public Water Access map series, published by the Minnesota Department of Natural Resources.
- 3. Temporal (Day of Week, Time of Day) Distribution of Access Interviews. During June October, the lakes within each category were visited for 6 hour periods which covered weekdays, weekends and various times of the day. At least one visit was made to each lake on the following occasions within this period:

TABLE 2
Lake Access Sites Where Interviews Occurred

Talas Cabanasas/			
<pre>Lake Category/ Lake Name</pre>	Lake Code	Access Code	Access Name
	Take Code	Access care	ACCESS NAME
Category 1: Mille Lacs	11	1113 - D	DNR - Cove Bay Access
MILITE LACS	TT	1113-D 1122-PM	
			Eddy's
		1132-D	Shah-Bosh-Kung DNR Access
		1143-PMT	Boat Harbor Marine
		1152 - D	Mn/DOT Access
		1161-D	Wealthwood Access - DNR
		1172-PRMT	Malmo Bay Supper Club
		1181 - D	Malmo Memorial Park - City of Malmo
		11102-N	Township Public Access
		11104 - D	Ceder Creek Public Access - DNR
		11113 - D	Mille Lacs Lake Access -
			Isle - DNR
		11115-D	Father Hennepin Public
			Launch - State of Minnesota
		11117 - D	City Park - Wahkon
White Fish Ch	ain 13	1312-D	DNR Public Access
milos Ilai ai	war. 27	1384-N	Ideal Township Access
		13182 - D	Corps of Engineers
		13102 D	Recreation Area
Gull Lake Cha	in 12	1231 - D	Corps of Engineers at Gull
Guil lake dia	111 14	1231-0	River Dam
		1241 - D	Ron's Squaw Point
		12101-D	DNR Access at Gull Lake
		12101-0	Narrows
Pelican Lake	14	1411-D	Jones Bay County Access
relican lake	74	1411-D 1412-D	South Pelican County Access
•			DNR Public Access at
•		1441 - D	
		1451 D	Halverson Bay
		1451 - D	City of Breezy Point Launch
Cotoword 2			
Category 2 Lake Ada	21	0121_D	DATE Diblic Accord
	21	2131 - D	DNR Public Access
Bay lake	22	2251 - D	DNR Public Access
Farm Island I	ake 23	2311 - D	DNR Public Access
Damed Tales	24	2331 - PR	Bill's Resort and Campground
Round Lake	24 25	2421 - D	DNR Public Access
Sandbar Lake	25 26	2511 - D	DNR Public Access
Sylvan Iake	26	2622 - D	DNR Public Access
Category 3:			
Little Boy La	ke 33	3311-D	DNR Public Access
Clark Lake	31	3111-D	DNR Public Access
Emily Lake	32	3211-D	Mn/DOT Public Access
Nord Lake	34	3411-D	DNR Public Access
Waukenabo Lak		3511-D	DNR Public Access
			

June Weekday
June Weekend
July Weekend
August Weekday
August Weekend
September/October Weekend

Within each category of lakes, the time span between 8:30 AM and 8:30 PM was covered. Records were kept of the exact periods of time during which interviews were conducted at each of the public accesses and the time of each interview.

A summary of the number and proportion of interviews from various sources is presented in Tables 3a, 3b and 3c. For comparison purposes, the number and proportion of boats observed in these various categories is presented in Tables 4 and 5. These tables present boat count total for summarizations both with and without the data from fishing opener included. Both sets of data are presented because of the high proportion of total boating usage occurring on the opening weekend of fishing season. Interviews at access points were initiated June 1, resident interviews on July 1 and resort interviews on July 20.

4. Questionnaire Design. The questionnaire used in the 1985 survey follows a similar format to that used during 1984 in the seven county metropolitan area lakes study. Copies of the Access, Resort and Resident questionnaires are presented in Appendix B, C and D.

Where possible, identically worded questions were asked of access boaters, resort guests and lakeshore resident boaters. The major difference between the interviews was that access users were asked to refer to their current boating experience whereas resort guests and lakeshore residents were asked to refer to their most recent boating experience.

5. Interviewing Techniques - Access Interviews. Interviewers were given time schedules for each access and were directed to interview boaters landing at that access during a specific time period. Thus, the attitudes and opinions expressed and experiences described could be directly related to boating that day on that lake and access.

TABLE 3

Summary of Completed Interviews by Lake Categories and Origin of Boat

Table 3a
Completed Interviews by Lake Categories and Origin of Boat

	Lake Category							
Origin of Boat	1	2	3	Total				
Public Access Resort and Private Access Residents	117 77 222	76 44 169	46 22 148	239 143 539				
TOTAL	416	289	216	921				

Table 3b

Percentage of Completed Interviews by Origin of Boat

Within Lake Categories

Origin of Boat	1	2	3	Total
Public Access	28%	26%	21%	26%
Resort and Private Access	19%	15%	10%	16%
Residents	53%	59%	69%	58%
TOTAL	100%	100%	100%	100%

Table 3c
Percentage of Completed Interviews by Lake Categories
Within Origin of Boat Groupings

Origin of Boat	1	2	3	Total
Dublic legge	409	32%	10%	100%
Public Access Resort and Private Access	49% 54%	32* 31*	19% 15%	100%
Residents	41%	31%	27%	100%
TOTAL	45%	31%	23%	100%

TABLE 4

Summary of Lake Usage by Lake Categories and Origin of Boat (Excluding Fishing Opener)

Table 4a
Boat Count by Lake Categories and Origin of Boat

Origin of Boat	1	ake Categoi 2	3 EA	Total
Public Access Resort and Private Access Residents	2003 2049 3087	202 252 950	102 90 240	2307 2391 4271
TOTAL	7139	1404	432	 8975 _.

Table 4b
Percentage of Boats Counted by Origin of Boat Within
Lake Categories

Origin of Boat	1	Lake Catego 2	ry 3	Total
Public Access Resort and Private Access Residents	28% 29% 43%	14% 18% 68%	24% 21% 55%	26% 27% 47%
TOTAL	100%	100%	100%	100%

Table 4c
Percentage of Boats Counted by Lake Category
Within Origin of Boat Groupings

Origin of Boat	1 1	ake Categor 2	.3 	Total
Public Access Resort and Private Access Residents	878 868 728	9% 10% 22%	4 % 4 % 6%	100% 100% 100%
TOTAL	80%	15%	 5%	100%

TABLE 5
Summary of Lake Usage by Lake Categories and Origin of Boat (Including Fishing Opener)

Table 5a
Boat Count by Lake Categories and Origin of Boat

Origin of Boat	1	ake Catego: 2	3 3	Total
Public Access Resort and Private Access Residents	4983 3394 4845	286 350 1251	168 127 353	5437 3871 6449
TOTAL	13222	1887	648	15757

Table 5b

Percentage of Boats Counted by Origin of Boat Within

Lake Categories

Origin of Boat	1	Lake Category 2	3	Total
Public Access Resort and Private Access Residents	38% 25% 37%	15% 19% 66%	26% 20% 54%	35% 24% 41%
TOTAL	100%	100%	100%	100%

Table 5c
Percentage of Boats Counted by Lake Category
Within Origin of Boat Groupings

Origin of Boat	l 1	ake Categor 2	3 CY	Total
Public Access	92%	5%	3%	100%
Resort and Private Access Residents	88% 75%	9% 20%	3 % 5 %	100%
TOTAL	84%	12%	48	100%

Questions were asked of the boat operator if possible; under conditions of extreme activity, a spouse or adult companion would from time to time day's concerning the information activities, launching time, etc. No sampling scheme at the access site was necessary since each landing was normally interviewed. boater Interviews were normally conducted while the boaters were tying down their boat after landing, thus avoiding interference during the critical time period of actual landing.

Respondents were, in general, very cooperative and able to understand and respond to all questions. Those questions concerning alcohol use and income level (Questions 34-36) related to somewhat more sensitive subjects than did other questions and this reason were asked last to avoid for precipitating an early termination of the interview. Response categories for Questions 34-36 were printed on 3x5 cards and shown to the respondents. The interviewer asked only for a precoded letter to number response for these questions in order to circumvent any inherent reluctance to voice an income opinion concerning alcohol use, particularly in front of boating companions. The technique proved effective in this study, as it has in the past, with approximately 77% of the respondents answering Question 34, the income question (13% refused to answer and 10% claimed ignorance of household income), and 97% providing a response to Question 36 concerning their perception of appropriate beverages for boat operators. Interviewers and project directors participated in interviewing from time to time felt that responses to the alcohol use question. were candidly given for the most part; this perception is strengthened by a close relationship between fact (presence of alcoholic beverages on board) and opinion (are alcoholic beverages appropriate for boat operators) and the result that nevertheless nearly 13% of those with no alcoholic beverages on board felt that at least some alcoholic use by boat operators is appropriate.

Interviewers were instructed not to reveal the identity of the sponsoring organization. By such a procedure, the responses were less influenced by either a positive or a negative opinion of the DNR, or by the concern that a particular type of response might cause either a desired or undesired

action by the Department. Respondents who asked were offered a Biocentric card with the name, address and telephone number of one of the project directors and told that their questions would be answered by that individual. No calls were received from the access respondents.

- Interviewing Techniques Resort Interviews. Interviews at resorts were more difficult to obtain for two reasons. First, care was required to insure that the interviewing process did not interrupt normal operations at the resort. Owners were somewhat apprehensive that their clients would be disturbed by the interviewing process or that normal business would be disrupted. Resort operators frequently asked that interviewers to them each time they conducted report interviews and also that certain times of peak activity be avoided.
- 7. <u>Locational Selection Resident Interviews</u>. Interviews of lakeshore residents were conducted in their homes by interviewers going door to door.

Since the exact location of a residence along the lakeshore has little relationship to responses to the type of questions being asked in the survey, no attempt was made to define exact quotas for various lakeshore regions on each lake. However, to avoid any bias which might result by inadvertently restricting interviews to certain residence categories, methods were instituted to insure that interviewers visited areas all around the lakeshore where residences existed.

8. Temporal Distribution - Resident Interviews. Lakeshore residence interviews were conducted in July, August and September. Interviews were conducted in the late afternoon on weekdays and throughout the day on weekends.

Respondents were required to be at least eighteen years of age, to own or regularly operate a boat that is moored or docked on the lake (but not at a marina) and to have been boating on the lake at least once during the current boating season.

Lakeshore residents meeting the above requirements usually have had numerous boating experiences on that particular lake, experiences which represent a variety of conditions. These cumulative boating experiences influence their lake usage patterns and their attitudes. Thus, it is not considered

to be a serious deficiency that lakeshore residents could not be interviewed immediately following their boating activity, nor is it of consequence that interviews were concentrated in the late afternoon hours during the week and on weekends. Still, it should be noted that lakeshore residents were asked to recall events from their last boating occasion while access users were interviewed immediately following their boating experience.

Interviewing in July, August and September gave results related to experiences throughout the boating season. Interviews conducted early in July occasionally encountered residents who had recently put their boats into the water and had not experienced a typical boating occasion. Interviews were not completed with those residents. Interviews conducted in frequently encountered September residents whose most recent boat usage was to remove the boat from the water. These residents were asked to respond in reference to their most recent typical boating occasion.

9. Interviewing Techniques - Resident Interviews. Conditions for interviewing lakeshore resident boaters were discussed above. Respondent qualification required that the person normally have regular experience with boating on that lake, and have had at least one such experience during the current boating season. These restrictions eliminated those who would have had to rely on the experiences of others or of former years as a basis for their information. Surprisingly, even in July, this requirement eliminated a number of persons from being qualified to participate in the survey since several boat owners had not gotten their boat into the water until after they had been contacted.

In contrast to the 1984 metropolitan lakes survey, residents contacted during 1985 were more cooperative and had less suspicion concerning the uses of the survey results. The identity of the sponsoring organization was not revealed to minimize the influence on responses due to bias toward or against the DNR. If questions were asked, the residents were given a business card of the Biocentric project manager. Biocentric received NO follow-up calls from survey participants.

C. AERIAL OVERFLIGHT METHODOLOGY

A series of aerial overflights of sampled lakes was used within the framework of the study to establish:

- the total number of boats on a sample lake and where appropriate the number of boats on lake subsections;
- the activity (moving with wake or stationary) of each type of boat and the amount of water skiing activity for each sample lake and/or lake subsection; and
- the proportion of the total use of sampled lakes attributable to public and private accesses, resorts and lakeshore residents.

The procedures used in this portion of the study are discussed in the sections that follow.

1. <u>Sampling Pattern</u>. Aerial counts were conducted throughout the primary boating season which begins on the weekend when fishing season opens (May 18, 1985) and ends on Labor Day weekend.

Boating activity varies throughout this season. For the purposes of this study, the season was divided into a peak period (fishing opener) and a summer recreation period (June - August). Previous studies have indicated that boating occasions vary with the day of the week. Boating use tends to be highest on Sunday and lowest on Tuesday, Wednesday and Thursday. Saturday use, although being somewhat lower than Sunday, is nevertheless the most similar to Sunday use as would be expected. Monday and Friday use levels, while more similar to Tuesday, Wednesday and Thursday use levels than to weekend levels, were shown in previous DNR studies to e 30-45% higher than mid-week days. Days for aerial overflights were selected to capture the differences between peak and nonpeak portions of the season as well as the variation between weekday and weekend use within each seasonal segment. The summer holiday weekends (Memorial Day, July 4th and Labor Day) were specifically excluded because the primary emphasis of the study was to obtain data on the typical boating patterns throughout the summer.

Table 6 displays the dates and days initially selected for sampling as well as the actual dates and days of aerial overflights. As can be seen, some substitutions from the plan were necessary due to weather conditions on selected dates. The overall sampling plan, however, was not compromised because substitute days fell within the same seasonal period and were equivalent days within the week.

- 2. <u>Lake Selection</u>. Before the overflights began, large or complex lakes were divided into sections. Each section was counted separately during every flight. A list of all sampled lakes and the number of sections is given in Table 7. Lake maps showing multiple counting areas, maps are included in Appendix F.
- 3. <u>Sampling Order</u>. Throughout the season, the order in which lakes were counted on individual aerial overflights was varied to avoid the introduction of systematic bias. The sampling pattern for each flight date is presented in Table 8 which also lists the overall flight observation times. Although it was not possible to observe the peak boating time on each lake, the design of the study made it possible to subsequently estimate peak usage from evaluation of information obtained from the three types of interviews. The amount of time required for an overflight observation ranged from 4.3 to 6.8 hours. The duration of flights was somewhat dependent on the amount of boating activity. Records have been kept of the exact time a count was taken by date, lake, section and access location.
- 4. <u>Boat Classification</u>. Boats were classified by the type of boating activity as follows:
 - . Boats with wakes
 - Water skiiers
 - Beached boats (including boats at transient docks)
 - . Sail boats (including wind surfers)
 - . Canoes (including kayaks)
 - Boats without wakes (primarily fishing activity

This classification method differs from the 1984 procedure where boats were classified by type of boat. DNR personnel concluded that the type of boating activity was more closely correlated with the amount of water surface used and thus to potential lake management concerns.

TABLE 6
Aerial Overflight Temporal Sampling Schedule

<u>Period</u>	<u>Dates Selection</u> <u>Date</u> <u>Day</u>	Actual Flight Dates Date Day
Fishing opener	May 18 Saturday	May 18 Saturday
	June 1 Saturday June 19 Wednesday June 29 Saturday	June 1 Saturday June 19 Wednesday June 29 Saturday
	July 13 Saturday July 17 Wednesday July 27 Saturday	July 13 Saturday July 23 Tuesday July 28 Sunday
	Aug. 14 Saturday Aug. 14 Wednesday Aug. 24 Saturday	Aug. 11 Sunday Aug. 15 Thursday Aug. 25 Sunday

TABLE 7
Sectional Divisions of Lakes for Aerial Counts

	Lake	Code	Number of Sections
Category 1	Mille Lacs Gull Lower Gull Love	11 12 12 12.05	18 14 7 1
	Margaret Upper Gull Ray Roy Nisswa	12.09 12.11 12.12 12.13 12.14	2 1 1 1
	Whitefish Lower Hay Upper Whitefish Arrowhead	13 13.01	22 1 2
	Lower Whitefish Bertha Clamshell Pig	13.07 13.07 13.08 13.10	5 1 1
	Big Trout Island/Loon Hen/Rush Cross	13.13 13.14 13.16 13.18	1 2 2 3
Category 2	Daggett Little Pine Pelican Ada	13.21 13.22 14 21	1 1 5 3
cuccyoly 2	Bay Farm Island Round Sandbar	22 23 24 25	9 4 2 1
	Sylvan Borden Clearwater Inguadona Round	26 27 28 29 210	2 3 2 3 1
Category 3	Clark Emily/Mary Little Boy Nord	31 32 33 34	2 2 3 2 1 1 5
	Waukenabo Esquagamah Hattie Moccasin O'Brien	35 36 37 38 39	1 1 5 1 2
Category 4	Eagle Hansen Little Thunder Loon	41 42 43 44	1 2 3 2 1
	White Sand Hanging Kettle Bass Pine	45 46 47 48	1 1 1

TABLE 8
Sampling Pattern for Aerial Counts

					DA	ΓE				
	°5/18	6/1	6/19	6/29	7/13	7/23	7/28	8/11	8/15	8/25
					TI	ME				
	9:50	9:32	1:07	9:56		10:33	1:02	10:21	10:22	12:07
		-2:57					-6:40		-4:26	-4:26
C 2 7	mline						•			
Dri	mpling Lve			LA	KE COD	E NUMB	ER			
1	11	11	45	11	11	11	11	11	11	11
2	27	27	26	210	210	27	27	210	210	27
3	210	210	12	27	27	210	210	23	23	210
4	23	28	24	28	28	23	23	46	46	23
5	22	22	44	22	22	22	22	34	34	22
6	28	23	31	23	23	28	28	42	42	28
7	45	46	14	46	46	45	45	35	35	45
8	26	34	25	34	34	26	26	36	36	26
9	12	42	47	42	42	12	12	43	43	12
10	44	35	13	35	35	24	24	29	29	24
11	31	36	39	36	36	31	31	33	33	31
12	24	43	32	32	43	44	44	48	48	44
13	14	29	41	41	29	14	14	38	38	14
14	25	33	21	39	33	25	25	37	37	47
15	47	48	37	47	48	47	47	21	21	25
16	13	38	38	25	38	13	13	13	13	39
17	39	37	48	31	37	39	39	41	41	32
18	32	21	33	24	21	32	32	32	32	41
19	41	41	29	45	13	41	41	39	39	13
20	21	32	43	26	41	21	21	14	14	21
21	37	39	36	12	32	37	37	25	25	37
22	38	25	35	44	39	38	38	47	47	-38
23	48	24	28	14	25	48	48	44	44	48
24	33	31	22	13	47	33	33	31	31	33
25	29	14	23	43	14	29	29	24	12	29
26	43	47	46	29	44	43	43	12	24	43
27	36	13	34	33	31	36	36	26	26	36
28	35	12	42	21	45	35	35	45	45	35
29	42	44	210	37	26	42	42	28	28	42
30	34	26	27	38	12	34	34	22	22	34
31	46	45	11	48	24	46	46	27	27	46

5. Access Points. Prior to the initial flight, the location of public and privately owned access points available to the public and the location of associated parking areas were identified for each sampled lake. Lakes with multiple access points were visited on the ground to establish where public and private launches are located. A telephone survey was conducted of resorts and marinas to determine the number of resort owned boats and the number of rented slips at marinas. These data provided the basis for determining the number of boats that originated from resorts and marinas.

Marinas that were associated with condominiums, private housing developments or the large seasonal campground (Wilderness Park) on Little Pine lake on the Whitefish Chain, were not considered in the marina category. These marinas are for the exclusive use of a subset of lakeshore residents; therefore, the boating activity from these marinas properly classified as lakeshore resident usage. Marinas that are totally transient such as the marinas at restaurants (Bar Harbor and Channel Inn on Gull and Ye Olde Wharf on Whitefish) are not classified as access points. Boats at these marinas were included in the lake counts as beached boats since they represent a boat which has departed from one of the other access points on the lake.

Total Boat Counts. When all sampled lakes 6. were counted during an overflight, professional personnel and a pilot were on board the airplane. One professional was responsible for observing a lake area to determine numbers and activity of boats while the other professional recorded the time and counts on recording forms and ensured that no lake areas or access points were missed. This procedure allowed each person to concentrate fully on the assigned task. additional advantage of this type of aerial counting and recording is that it entails minimal interpretation of the data after the flight. Total counts, area counts and the number of boats by type can be developed directly from the recording forms. A sample of the recording form is included in Appendix G.

Transient boats (boats at transient docks of restaurants or marinas), boats on shore at beaches and boats waiting in areas adjacent to access points for landing were included in both area and total lake counts. A count of these boats was essential for an accurate measurement of the proportion of total use derived from the various access types. Although transient boats did not contribute to lake congestion during the counting period, excluding them from the count would have the effect of overstating the proportion of use public and private accesses understating the degree to which those who do not require specific accesses (primarily lakeshore residents) used the lake. process of establishing these relative use will be discussed more fully proportions below.

Boat counts for each of the nine overflights are summarized by lake and type of boating activity in Appendix H. Lakes are listed with their associated category in the table. Each category is totaled. Appendix I presents the boat counts, organized by area of lake, date of observation and type of boating activity observed.

Aerial counts are summarized in Tables 9, 10 and 11. Table 9 presents a summary of boat counts by lake and date of observation. Table 10 presents a summary of the distribution of lake usage by area of lake. Table 11 presents a summary of lake usage by type of boating activity. Appendix J gives an estimate of the average number of boats in various lake areas on a typical weekend and weekend day.

- 7. <u>Usage by Access Type</u>. To establish the proportion of boating activity from the four major sources (public access, private access, resort and lakeshore residents), the total number of boats on the lake were counted and classified, while simultaneous counts were made of the number of empty trailers parked at each access and resort, and the number of boats remaining at resort and marina docks.
 - (1) Public and Private Accesses:
 The amount of total lake use attributable to public accesses was derived directly from boat trailer counts at or surrounding these accesses.

 During the overflight of the access

TABLE 9
Summary of Total Boat Counts
for 49 Lakes on 10 Dates (1985)

	5/18/85	6/01/85	6/19/85	6/29/85	7/13/85	7/23/85	7/28/85	8/11/85	8/15/85	8/25/85
	Weekend	Weekend	Weekday	Weekend	Weekend	Weekday	Weekend	Weekend	Weekday	Weekend
Mille Lacs	4,881	745	199	567	3B7	59	266	301	88	311
Gull Chain	638	152	148	267	239	65	339	220	166	206
Gull	504	101	106	203	164	40	229	135	119	144
Love	18	11	6	5	3	2	8	2	4	3 5
Margaret	27	. 8	4	6	17	3	15	19	8	
Nisswa	13	3	3	3	4	3	10	5	6	10
Ray	13	9	9	3	6	2	7	8	6	.6
Roy	11	3	5	7	6	3	11	9	6 17	. o 36
Upper Gull	52	17	15	40	39	12	59	42	222	256
Whitefish Chain	430	92	150	274	297	141	214	314	46	46
Whitefish, Lower	96	11	37	45	33	16	42	52	22	22
Whitefish, Upper	55	7	13	20	17	5	26	21	3	1
Arrowhead	18	0	4	9	1	2	0	3	13	3
Bertha	10	2	4	3	6	3	5	13	13 9	13
Big Trout	23	4	7	13	42	15	17	53	10	8
Clamshell	14	9	6	7	7	6	. 5	15		61
Cross	91	25	40	89	78	62	72	61	51	13
Daggett	27	7	7	17	25	8	9	19	11	10
Island	22	8	6	3	8		3	7	21 7	3
Little Pine	26	5	5	15	16	2	14	7	•	3 9
Lower Hay	11	3	4	3	12				6	7
Pig	8	2	6	3	3		7	4	5	60
Rush/Hen	29	9	11	37	49			50		56
Pelican	134	26	34	63	52		62	71	70	
'Ada	13		10	8	15					
Bay	91	39	20	39	57		60	58	32	
Farm Island	220	54	22	27				47		
Round (Crow Wing)	29		8	15				16	21	
Sandbar	16									
Sylvan	25		11	18						
Borden	31		. 6						_	
Clearwater	16		6	11				. 6		
Inguadona	31						_		. 12	
Round (Atkin)	2									
Clark	5							'		
Emily/Mary	62		,	A 7			•	6	_	
Little Boy	63									
Nord	9									
Waukenabo	40					1 2			•	
Esquagamah	21							_		, , , , , , , , , , , , , , , , , , ,
Hattie	Ç					•	-			
Moccasin	E						3			2 1
O'Brien				-	•		2	'		7 5
Eagle) 5			-	•	1	•	3	1 1
Hansen		=	•		- 2'	-	•			1
Little Thunder		1	•)	-	-		-		5 1
Loon		_	_	_	5	~	•			5 5
White Sand	. 13		-	5	•	0 :		_	, 3	1 2
Hanging Kettle	1	-	-	-	9	ቼ 7	_	_	-	2
Bass			•		-	•	•	•		2 1
Pine				-		-	1	•	•	-
TOTA	L 7,90	4 1,498	3 99	1,99	5 1,83	7 58	6 1,66	1,14	كلول ب	, lądžd

TABLE 10
Summary Distribution of Boats by Lake Area and Date

		5/18/85 Weekend	6/01/85 Weekend	6/19/85 Weekday	6/29/85 Weekend	7/13/85 Weekend	7/23/85 Weekday	7/28/85 Weekend	8/11/85 Weekend	8/15/85 Weekday	
CATEGORY I LAKES		WEEKEIIU	WEEKEIIU	weekuay	weekenu	weekenu	weekuay	MEEKEHU	MEEKEIIG	weekuay .	MEEKENG
Mille Lacs	AREA										
111111111111111111111111111111111111111	1	3.6%	9.5%	13.67	8.87	7.0%	18.6%	9.0%	9.6%	4.3%	9.6%
	2	9.0%	10.6%							3.37	
*	3	2.9%					8.5%	4.5%	2.0%	0.7%	
	4	6.5%	5.9%							3.4%	
	5.	11.8%	15.0%		4.2%		3.41	9.8%	2.3%	10.2%	
	6	7.8%	5.8%							3.4%	
•	7	11.8%	11.4%				1.7%	3.8%		5.7%	
	8	11.6%	6.8%	5.5%	2.5%	1.0%	5.1%	1.5%	7.0%	3.47	9.6%
	9	7.4%	5.0%	2.0%	3.4%	5.4%	0.01	8.6%	14.0%	4.5%	5.1%
	10	5.5%	3.1%	6.5%	8.17	10.9%	6.8%	9.0%	6.3%	6.87	10.9%
	11	8.6%	14.4%	16.1%	16.0%	34.4%	20.3%	12.0%	18.9%	14.8%	15.1%
	12	7.8%	1.7%	11.67	2.5%	4.4%	6.8%	7.17	14.0%	10.2%	2.6%
	13	0.2%	0.5%	1.5%	1.4%	1.3%	3.4%	1.5%	0.3%	4.5%	1.0%
	14	.07	0.0%	0.0%	3.9%	0.3%	0.0%	0.8%	0.3%	2.3%	0.0%
	15	2.1%	0.1%	3.5%	4.1%	4.4%	5.1%	5.6%	2.3%	0,0%	3.27
	16	0.8%	0.0%	1.5%	5.8%	5.9%	0.0%	4.9%	0.7%	0.0%	1.07
	17	0.9%	0.5%	0.5%	8.17	0.8%	0.0%	1.5%	0.07	2.3%	0.0%
	18	1.5%	0.0%	0.0%	3.4%	0.3%	3.4%	2.6%	0.0%	0.07	0.6%
TOTAL		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Gull Chain											
Lower Gull	. 1	0.9%		10.1%	4.9%		10.8%	10.3%	8.6%	12.7%	1.9%
Gull	2	6.7%	7.2%	6.8%	8.2%		7.7%	2.9%	5.0%	7.8%	
Gul 1	3	8.6%	7.9%	12.2%	7.9%		15.4%	21.5%	8.6%	11.4%	10.7%
Gull	4	18.3%	15.1%	24.3%	13.9%	14.2%	7.7%	17.1%	19.1%	14.5%	19.9%
Love	5	2.8%	7.2%	4.1%	1.9%	1.3%	3.1%	2.4%	0.9%	2.4%	1.5%
Gull	6	22.4%	4.6%	6.81	28.5%		4.6%	4.7%	6.8%	15.7%	
Gull	7	19.1%	10.5%	3.4%	7.91	5.0%	6.2%	4.4%	5.5%	4.8%	11.7%
6ull	8	2.8%	8.6%	8.17	4.9%		9.2%	6.5%	7.7%	4.8%	7.3%
Margaret	9	4.2%	5.3%	2.7%	2.2%	7.1%	4.6%	4.4%	8.6%	4.8%	2.4%
Upper Gull	10	3.6%	9.2%	7.4%	9.01	12.1%	13.8%	13.0%	14.5%	6.61	12.1%
Upper Gull	11	4.5%	2.0%	2.7%	6.0%	4.2%	4.6%	4.4%	4.5%	3.6%	5.3%
Ray	12	2.0%	5.9%	6.17	1.17		3.1%	2.1%	3.61	3.67	1.0%
Roy	13	1.7%	2.0%	3.4%	2.6%	2.5%	4.6%	3.2%	4.1%	3.6%	2.9%
Nisswa	14	2.0%	2.0%	2.07	1.17	1.7%	4.6%	2.9%	2.3%	3.67	4.9%
TOTAL		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.07

TABLE 10 (cont.)

		5/18/85 Weekend	6/01/85 Weekend	6/19/85 Weekday		7/13/85 Weekend			8/11/85 Weekend	8/15/85 Weekday	8/25/85 Weekend
CATEGORY I LAKES				•							· ·
Whitefish Chain	AREA										
Lower Hay	1	2.6%									
Upper Whitefish	2	4.9%									
Upper Whitefish	3	7.9%									
Arrowhead	4	4.2%									
Lower Whitefish	5	6.0%									
Lower Whitefish	6	5.1%									
Bertha	7	2.3%									
Clamshell	8	3.37									
Lower Whitefish	9	1.2%									
Piq	10	1.9%	2.2%	4.0%							
Lower Whitefish	11	2.6%	4.3%								
Lower Whitefish	12	7.4%									
Big Trout	13	5.3%									
Island	14	3.71	5.4%								
Loon	15	1.4%	3.3%								
Hen	16	0.5%									
Rush	17	6.3%	4.37								
Cross	18										
Cross	19	4.0%	4.3%								
Cross	20	2.17									
Daggett	21		7.67								
Little Pine	22										
TOTAL		100.0%		100.07	2 100.0%	% 100.0%	100.07	100.07	7 100.07	7 100.07	100.0%
Pelican							•	41		·· 54.70	75 19
	1										
	2										
	3										
	4	24.67									
	5	11.27	11.5%								
TOTAL		100.07	100.07	100.07	100.0	100.07	100.0	100.0	100.0	100.0	100.07

TABLE 10 (cont.)

		5/18/85 Weekend	6/01/85 Weekend	6/19/85		7/13/85 Weekend			8/11/85 Weekend		
CATEGORY II LAKES		MEEKENU	MEEKENU	weekuay	Meekelin	#EEKEIIU	weekuay	weekenu	MEEKENU	weekuay	MEEKEIIU
Ada	AREA										
	1	15.4%	11.17	30.0%	25.0%	20.0%	0.0%	0.0%	53.8%	30.07	18.2%
	2	53.81	77.8%		62.5%	53.3%		100.07		70.0%	
	3	30.8%	11.17	20.0%	12.5%	26.7%	20.0%	0.0%	23.1%	0.0%	27.3%
	TOTAL	100.07	100.0%	100.0%	100.0%	100.0%	100.07	100.0%	100.07	100.0%	100.0%
Bay											
	1	8.87	17.9%	10.0%	17.9%	10.5%	28.6%	16.7%	12.17	15.6%	7.1%
	2	7.71	7.7%	0.0%	7.7%	1.8%	3.6%	6.7%	5.2%	0.0%	8.97
	3	3.3%	12.8%	20.0%	15.4%	12.3%	17.9%	13.37	8.67	18.87	19.6%
	4	27.5%	12.8%	15.0%	15.4%	10.5%	10.7%	18.3%	24.1%	31.3%	23.2%
	5	23.17	0.0%	10.0%	2.6%	19.37	3.67	10.0%	20.7%	3.1%	8.9%
	6	7.7%	17.9%	10.0%	17.9%	8.8%	14.37	11.7%	8.61	6.3%	12.5%
	7	7.7%	7.7%	10.07	10.3%	8.8%	0.0%	1.77	8.6%	9.4%	5.4%
	8	11.07	17.9%	5.0%	10.3%	19.3%	21.4%	18.3%	10.3%	15.6%	12.5%
	. 9	3.3%	5.17	20.0%	2.6%	8.8%	0.0%	3.3%	1.7%	0.07	1.8%
	TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.07	100.0%	100.0%	100.0%
Farm Island											
	1	6.87	20.4%	13.6%	29.6%	24.4%	60.0%	27.0%	12.8%	25.0%	20.6%
	2	13.2%	38.9%	45.5%	25.9%	26.7%	20.0%	27.0%	23.4%	31.3%	14.7%
	3	36.42	18.5%	18.2%	18.5%	20.0%	10.0%	21.6%	25.5%	31.3%	32.4%
	4	43.6%	22.2%	22.7%	25.9%	28.9%	10.0%	24.3%	38.3%	12.5%	32.4%
	TOTAL	100.01	100.0%	100.07	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Round (Crow Wing)											
	1	52.6%	25.0%	25.0%	60.0%	36.1%	42.9%	31.8%	37.5%	38.1%	38.5%
	2	47.41	75.0%	75.0%	40.0%		57.1%	68.2%	62.5%	61.9%	61.5%
	TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Sandbar		122									
	1	25.0%	54.5%	60.0%	75.0%	45.0%	60.0%	25.0%	30.8%	28.6%	36.4%
	2	43.87	18.2%	10.07	16.7%	15.0%	20.0%	75.0%	23.1%	28.67	27.3%
	3	31.37	27.3%	30.0%	8.3%	40.0%	20.0%	0.0%	46.2%	42.9%	36.4%
	TOTAL	100.07	100.0%	100.0%	100.02	100.0%	100.07	100.07	100.07	100.07	100.0%
Sylvan											
	1	64.0%	75.0%	36.4%	27.8%	44.47	33.3%	52.9%	44.4%	28.6%	68.8%
	2	36.0%	25.0%	63.6%	72.2%	55.6%	66.7%	47.1%	55.6%	71.4%	31.3%
Dondon	TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.07	100.07	100.0%
Borden		E1 /4	70 AV	A 69	EA A#	74 75	400 00	55 48	FA AW	05 08	
	i	51.6%	20.0%	0.0%	50.0%	31.37	100.0%	25.0%	50.0%	25.0%	60.0%
	2	12.9%	20.0%	50.0%	10.07	43.8%	0.0%	25.0%	12.5%	25.0%	20.0%
,		35.5%	60.0%	50.07	40.0%	25.0%	0.0%	50.0%	37.5%	50.0%	20.0%
Classustas	TOTAL	100.07	100.0%	100.0%	100.0%	100.02	100.07	100.0%	100.0%	100.0%	100.07
Clearwater	1	37.5%	50.04	שד דם	71 14	11 19	. 0.04	50 0¥	50.0%	77 74	11 74
	2	62.5%	50.0% 50.0%	83.3% 16.7%	36.4%	11.1% 88.9%	0.0% 100.0%	50.0% 50.0%	50.0%	33.3%	66.7%
	TOTAL	100.0%			63.6%					66.7%	33.3%
Inguadona	IUIHL	100.04	100.02	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.02	100.0%
rudnannia	1	41.9%	44.4%	83.3%	61.9%	62.5%	50.0%	100.0%	33.32	58.3%	18.8%
	2	45.2%	44.4%	16.7%	33.3%	25.0%	50.0%	0.0%	50.0%	41.7%	68.8%
	3	12.9%	11.1%	0.0%	4.8%	12.5%	0.0%	0.0%	16.7%	0.0%	12.5%
	TOTAL	100.0%	100.0%	100.0%	100.0%	100.07	100.0%	100.0%	100.0%	100.0%	100.0%
	IGINE	100.0F	100.06	10010A	100.0%	100.04	100104	100104	10010h	100.02	100.04

TABLE 10 (cont.)

		5/18/85 Weekend	6/01/85 Weekend	6/19/85 Weekday			7/23/85 Weekday		8/11/85 Weekend	8/15/85 Weekday	
CATEGORY III LAKES							ø				
Clark	AREA										
	i	60.0%	0.0%	66.7%				25.0%			
	2	40.0%		33.3%							
	TOTAL	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Emily/Mary											
	1	69.4%	85.71	77.8%	64.3%	42.9%	100.0%	0.0%	33.3%	33.3%	
	2	30.6%		22.2%				100.07			
	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Little Boy											
	1	47.6%	40.0%	18.27	6.9%			33.3%	12.0%	11.8%	
	2	27.0%	20.0%	27.3%				16.7%			
	3	25.4%	40.0%	54.5%		46.7%		50.0%		47.1%	
	TOTAL	100.07	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Nord											
	1	87.5%	81.87	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%
	2	12.5%	18.2%	0.0%				0.07			
	TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%
Hattie											
	1	11.17	50.0%	37.5%	11.1%	18.2%	66.7%	0.0%	45.5%	0.0%	
	2	66.7%	25.0%	25.0%				66.7%			
	3	0.0%	0.0%	12.5%	11.1%	45.5%	0.0%	33.3%	0.0%	20.0%	0.0%
	4	22.21	0.0%	25.0%	11.1%			0.0%			
	5	0.0%	25.0%	0.0%	22.2%	0.0%	33.3%	0.0%	9.17	20.0%	
	TOTAL	100.01	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
O'Brien											
	1	0.0%	0.0%	50.0%	50.0%	60.0%	100.0%	75.0%	100.0%	0.0%	100.0%
	2	100.0%	100.0%	50.0%	50.0%			25.0%		100.0%	
	TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CATEGORY IV											
Eagle	•										
•	1	44.4%	60.0%	40.0%	84.6%	40.0%	100.0%	100.0%	62.5%	57.1%	60.0%
	2	44.4%	40.0%	40.0%	7.7%	20.0%	0.0%	0.0%	25.0%	42.9%	
	3	11.17	0.0%	20.0%	7.7%	40.0%	0.07	0.07	12.5%	0.0%	20.0%
	TOTAL	100.07	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hansen											
•	1	0.0%	40.0%	0.0%	100.0%	66.7%	0.0%	0.0%	33.3%	100.0%	100.0%
	2	100.0%	60.0%	0.0%	0.0%	33.3%	0.0%	0.0%	66.71	0.0%	0.0%
	TOTAL	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	0.0%	100.0%	100.0%	100.0%

TABLE 11

Distribution of Counted Boats by Lake Category
Date and Type of Boating Activity

	! Boats Wi !	th Wakes With	:	Beached	oats With	out Wakes	! !	Total With	Total Without	Lake Area
	Other		ł.	Boats	Sailed	Canoe	Other :	Wakes	Wakes	Total
	!		;				!			
CATEGORY I	;		i							400
May 18, 1985 - Saturday .				17	07	07	917	7%	93%	
June 01, 1985 - Saturday	127			2%	07	0%	86% !	127	887	
June 19, 1985 - Wednesday	1 197			47	21	07	75% !	20%	80%	
June 29, 1985 - Saturday	1 217			7%	17	17	70% !	22%	78%	
July 13, 1985 - Saturday	1 277			147	37	21	517	301	70%	
July 23, 1985 - Tuesday	297			18%	6%	17	44%	327	687	
July 28, 1985 - Sunday	337			14%	87	17	38% !	381	62%	
August 11, 1985 - Sunday	1 30%	4%	ŀ	9%	8%	21	47%	347	667	
August 15, 1985 - Thursday	1 307			92	47	31	471	37%	63%	
August 25, 1985 - Sunday	! 36%	37	1	6% -	37	17	51%	392	617	1007
CATEBORY I-MILLE LACS	:									
May 18, 1985 - Saturday	: 57			0%	0%	0%	95%	5%	95%	
June 01, 1985 - Saturday	1 97			0%	01	0%	917 !	9%	917	
June 19, 1985 - Wednesday	127			0%	07	0%	88% !	127	88%	
June 29, 1985 - Saturday	1 137	. 07	i	17	17	0%	87%	13%	87%	
July 13, 1985 - Saturday	1 167	17	;	10%	27	0%	83% !	171	83%	
July 23, 1985 - Tuesday	1 147	37	1	0%	0%	0%	837 ;	177	83%	
July 28, 1985 - Sunday	1 26%	3%	ŀ	27/	7%	21	71% 1	291	717	
August 11, 1985 - Sunday	157	. 07	į	17	17	17	85% :	15%	85%	
August 15, 1985 - Thursday	17%	0%	i	2%	21	02	83% }	17%	837	
August 25, 1985 - Sunday	157	. 01	:	07	21	0%	85% ;	15%		100%
CATEGORY I WITHOUT MILLE LACS			!				1		•	
May 18, 1985 - Saturday	157	. 0%	i	47	07	17	817 !	157	85%	
June 01, 1985 - Saturday	197	07.	ŀ	7%	07	17	73% 1	197	817	
June 19, 1985 - Wednesday	1 237	17	!	67	21	0%	67%	24%	76%	
June 29, 1985 - Saturday	! 287		1	12%	2%	17	54% !	30%	70%	
July 13, 1985 - Saturday	1 347	4%	1	16%	47	4%	38% !	381	627	
July 23, 1985 - Tuesday	: 33%		1	23%	71	17	34%	36%	647	
July 28, 1985 - Sunday	1 367		!	207	97	17	28% (42%	58%	100%
August 11, 1985 - Sunday	387			13%	12%	27	30% (44%	56%	
August 15, 1985 - Thursday	327			11%	57	3%	40%	417		
August 25, 1985 - Sunday	48%			9%	57	17	31% :	54%	461	100%

TABLE 11 (cont.)

	1	Boats Wi	th Wakes	;		Boats With	out Wakes	1		Total	Lake
	1		With	1	Beached			1	With	Without	Area
	i	Other	Skiiers	1	Boats	Sailed	Canoe	Other :	Wakes	Wakes	Total
CATEGORY II	i			;							
May 18, 1985 - Saturday	!	97	01		07	07	17	877 :		91%	
June 01, 1985 - Saturday	ł	14%	07		07	0%	07	86%		867	
June 19, 1985 – Wednesday	!	15%	17		17	17	21	80% ;			
June 29, 1985 - Saturday	i	20%	17		3%	2%	37	71% :		807	
July 13, 1985 - Saturday	ŀ	24%	6%	;	21	4%	37	61% !		70%	
July 23, 1985 - Tuesday	i	20%	17	ľ	4%	37	3%	69% :		79%	
July 28, 1985 - Sunday	į	317	81	i	01	87	21	51% 1		61%	
August 11, 1985 - Sunday	1	297	7%	;	07.	7%	2%	56% :		65%	
August 15, 1985 - Thursday	i	20%	71	ŀ	0%	21	4%	67%			
August 25, 1985 - Sunday	1	28%	4%	ł	37.	4%	47	57% }	327	687	1007
	1			;				!			
CATEGORY III	1	•		1				;			
May 18, 1985 - Saturday	!	87	17	i	15%	07	07	76%	97	917	1007
June 01, 1985 - Saturday	1	4%	07	1	0%	07	27	94%	4%	96%	100%
June 19, 1985 - Wednesday	1	7%	07	!	71	97	01	78% :	71	931	100%
June 29, 1985 - Saturday	1	14%	0%	!	0%	31	0%	84% :	14%	86%	100%
July 13, 1985 - Saturday	1	16%	07	!	7%	. 97	4%	63% :	16%	84%	100%
July 23, 1985 - Tuesday	1	6%	0%		0%	0%	0%	94% 1	6%	94%	100%
July 28, 1985 - Sunday	:	39%	67.	ŀ	0%	07	07	55% 1	45%	55%	100%
August 11, 1985 - Sunday	ŀ	147	0%	1	0%	27	2%	83% :	14%	86%	100%
August 15, 1985 - Thursday	;	17%	21	ł	07	0%	21	79% 1	19%	81%	100%
August 25, 1985 - Sunday	!	16%	3%	1	0%	0٪	0%	81% !	19%	817	100%
,	ŀ										
CATEBORY IV	i										
May 18, 1985 - Saturday	1	4%	0٪	i	0%	0%	4%	93% :	4%	96%	100%
June 01, 1985 - Saturday	1	17%	01	ŀ	01	01	02	83% ;	17%	837	100%
June 19, 1985 - Wednesday	1	0%	0%		0%	0%	0%	100%		100%	100%
June 29, 1985 - Saturday	ł	16%	07		0%	0%	27	82%		847	1007
July 13, 1985 - Saturday	!	7%	0%		0%	7%	0%	86%	7%	93%	100%
July 23, 1985 - Tuesday	1	17%	0%		0%	171	0%	67% 1		837	100%
July 28, 1985 - Sunday	1	27%	7%		0%	02	137	53% !		67%	100%
August 11, 1985 - Sunday	1	28%	107		0%	37	3%	55% !			
August 15, 1985 - Thursday		13%	. 0%		0%	0%	9%	78%		871	
August 25, 1985 - Sunday	!	17%	07		07	61	07	78% 1			
gast 25; 1100 Dallady	•	A.I. Pe	V.	•	, , , , , , , , , , , , , , , , , , ,		¥-4.	,	• / •		- * * **

location, all empty trailers, cars with empty cartop carriers and pickup trucks capable of carrying a boat or canoe were counted. These counts were recorded and identified by lake and access. frequently, the trailers and other carriers were located in a lot or designated parking immediately area adjacent to the launch. However, some cases, particularly on the opening weekend of fishing season on Mille Lacs, parking was more widely dispersed.

Private accesses were treated in an identical manner to public accesses. All empty trailers or boat-carrying vehicles at or near the private launching site were recorded. The determination of the proportion of use from public and private accesses was a straight-forward division of the number of empty boat-carrying vehicles on the lake by the total number of boats observed on that lake.

the opening weekend of fishing On particularly on Mille Lacs, season, large numbers of boaters use informal access points scattered around the lake. Trailers and trucks are then parked randomly along peripheral roads. All of these randomly parked vehicles capable carrying boats were counted attributed to a random shoreline access category corresponding with designated lake area. These counts were included in the nondesignated public access category for analysis.

(2) Resorts and Marinas:

Boats originating from resorts marinas were determined by several First, the number of resort steps. obtained from boats was owned telephone survey. The number of rented slips at marinas was also obtained. During the aerial overflights, the number of trailers was also counted. Trailers were added to the number of resort owned boats or rented slips at This created a total maximum marinas. number of boats available at the resort marina. During the overflight, the number of boats beached or moored at the resort or marina were counted. By subtracting the number of boats actually counted from the total available boats, we determined the number of boats that originated from the resort or marina.

Since all resorts were not counted during the aerial overflight, it was necessary to extrapolate from obtained from resorts where counts were made to the entire population. telephone survey and review of published data, we obtained a count of the number of resort units or cabins at each resort and totaled for the lake category. Using the data from the resorts actually sampled and counted, we were able to calculate the amount of boat usage per cabin or unit at the resort. By multiplying the boat usage per resort unit by the total number of resort units in the lakes of a specific category, we were able to obtain an overall estimate of the number of boats originating from resorts at each aerial overflight counting period.

(3) <u>Lakeshore Residents</u>:

Use of a lake by residents could not be directly observed, rather it was calculated by subtracting the number of boats arising from use of public and private accesses and resorts from the total number of boats counted on the lake. Remaining boats, by definition, had to come from lakeshore resident use. As noted earlier, some of these residents live in housing developments that provide marinas; their use of the lake is counted as lakeshore resident usage rather than marina usage.

Appendix K includes boat counts and activity proportions from each access type. This Appendix is organized by lake category and flight date. Table 12 presents a summary of these data weighted to reflect seasonal usage.

TABLE 12 Summary of Lake Usage by Access Type Weighted to Reflect Seasonal Characteristics on Weekdays and Weekend

Category 1 Lakes

June-Aug.

, -				
Observed	<u>Access</u>	Resorts	Residences	<u>Total</u>
Weekday	310	448	604	1362
Weekend	1693	1601	2483	5777
<u>Weighted</u>				
Weekday (obs.* 65/3)	6717	9707	13087	29510
Weekend (obs.* 27/6)	7618	7204	11174	25996
TOTAL	14335	16911	24261	55506
Weekday	22.8%	32.9%	44.3%	100%
Weekend	29.3%	27.7%	43.0%	100%
TOTAL	25.8%	30.5%	43.7%	100%
Weekday	46.9%	57.4%	53.9%	53.2%
Weekend	53.1%	42.6%	46.1%	46.8%
TOTAL	100%	100%	100%	100%

Category 2 Lakes

June-Aug	
----------	--

<u>Observed</u>	<u>Access</u>	<u>Resorts</u>	Residences	<u>Total</u>
Weekday	40	41	216	297
Weekend	162	211	734	1107
		-		
Weighted				
Weekday (obs.* 65/3)	867	888	4680	6435
Weekend (obs.* 27/6)	729	949	3303	4981
TOTAL	1596	1837	7983	11416
			· · · · · · · · · · · · · · · · · · ·	
Weekday	13.5%	13.8%	72.7%	100%
Weekend	14.6%	19.1%	66.3%	100%
TOTAL	14.0%	16.1%	69.9%	100%
Weekday	54.3%	48.3%	58.6%	56.4%
Weekend	45.7%	51.7%	41.4%	43.6%
TOTAL	100%	100%	100%	100%

Category 3 Lakes

June-Aug.

<u>Observed</u>	Access	Resorts	Residences	<u>Total</u>
Observed				
Weekday	27	26	57	110
Weekend	141	101	296	538
Weighted				
Weekday	585	563	1235	2383
(obs.* 65/3) Weekend (obs.* 27/6)	635	454	1332	2421
TOTAL	1220	1017	2567	4804
Weekday	24.6%	23.6%	51.8%	100%
Weekend	26.2%	18.8%	55.0%	100%
TOTAL		21.2%	53.4%	100%
Weekday		55.4%		49.6%
Weekend	52.0%	44.6%	51.9%	50.4%
TOTAL	100%	100%	100%	100%

Category 4 Lakes

June-Aug.

Observed	Access	Resorts	Residences	<u>Total</u>
Weekday	7	9	34	50
Weekend	33	15	111	159
			-	
Weighted				
Weekday (obs.* 65/3)	152	195	737	1084
Weekend (obs.* 27/6)	148	67	500	715
TOTAL	300	262	1237	1799
		~~~~~~~~~~~~~~~~~~		
Weekday	14.0%	18.0%	68.0%	100%
Weekend	20.7%	9.4%	69.9%	100%
TOTAL	16.7%	14.6%	68.7%	100%
Weekday	50.7%	74.4%	59.6%	60.3%
Weekend	49.3%	25.6%	40.4%	39.7%
TOTAL	100%	100%	100%	100%

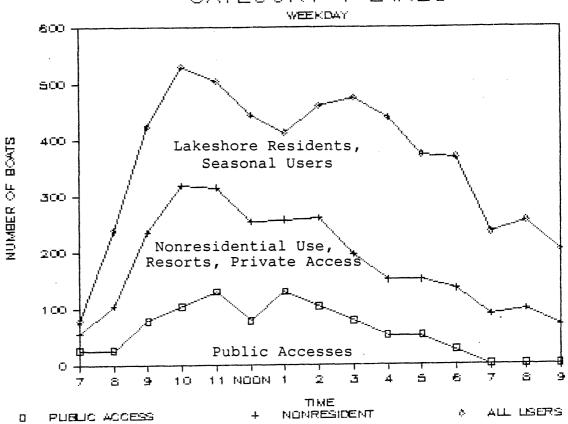
Total Boating Hours and Boating Occasions. Following weighting of access survey results to provide unbiased representation of time periods during the day, the distribution of public boating from various access types was analyzed over time weekdays and weekend days during for recreational summer boating season (June, July and This distribution was applied to the results of the aerial overflight boat counts to arrive at an estimate of the number of boats on lakes in each of the lake categories at each hour between 6:00 AM and 10:00 PM during the summer season. The results of these estimates are shown Figures 4-9. Because interviewers seldom remained at the accesses after 8:30 PM, the estimates after that time are lower than actual boating use; a few boaters from public accesses, private accesses and marinas do remain on the lake after 8:30 PM; however, this number is very small compared to overall boating counts. Results of the lakeshore residents interviews were used to distribute their boating use over time and are also given in Figures 4-9. It should be noted that peak boating time varies from category to category, differs somewhat for access users and for lakeshore residents as well as for weekdays Because of these differences and and weekends. because each overflight required five to seven hours, it was not possible to observe peak boating activity on each lake. However, the distribution of boating activity obtained from the survey analyses allowed estimates of both time and amount of peak boating activity to be made.

The number of boating occasions per day (for a typical weekday or weekend day during the prime boating season) has been derived from the total number of boating hours (summation of boating hours shown in Figures 4-9 over time) by dividing these total boat-hours by the average length of time per boating occasion. Table 13 gives the average time per boating occasion as derived from the access and resident interviews.

Special attention in called to Figure 5 in which the pattern of boating by resort guests is shown to terminate after 5 PM on weekends on lakes in Category 1. Upon seeing this result, we reviewed all of the interviews conducted with resort guests in Category 1 lakes. Most of the interviews were conducted at resorts on Tuesday through Saturday, with only a few on Sunday and Monday. Resort guests were found to be frequent boaters and responded by reference to their most recent

# FIGURE 4 BOATING PATTERNS ON CATEGORY 1 LAKES WEEKDAY USE





LAKES INCLUDED: Mille Lacs, Gull Chain, Whitefish Chain, Pelican

DATA SOURCES: Survey of public and private access users; Survey of boating resort guests; Survey of boating lakeshore residents; Aerial overflights. Survey results used to distribute lake usage over time

periods not covered by aerial overflights.

RESULTS: Typical weekday; summer of 1985; totals for all Category 1 lakes.

Public Accesses: 878 boat hours, 219 boating occasions

Resort, Private

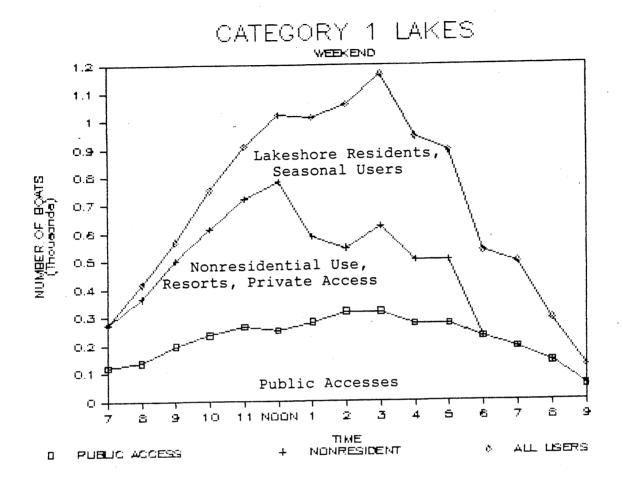
Accesses: 1,802 boat hours, 467 boating occasions

Resident; Seasonal

Users: 2,762 boat hours, 924 boating occasions

TOTAL 5,442 boat hours, 1,610 boating occasions

## FIGURE 5 BOATING PATTERNS ON CATEGORY 1 LAKES WEEKEND USE



LAKES INCLUDED: Mille Lacs, Gull Chain, Whitefish Chain, Pelican

DATA SOURCES: Survey of public and private access users; Survey of boating resort guests; Survey of boating lakeshore residents; Aerial overflights. Survey results used to distribute lake usage over time periods not covered by aerial overflights.

RESULTS: Typical weekend; summer of 1985; totals for all Category 1 lakes.

Public Accesses: 3,265 boat hours, 710 boating occasions

Resort, Private

Accesses: 3,354 boat hours, 890 boating occasions

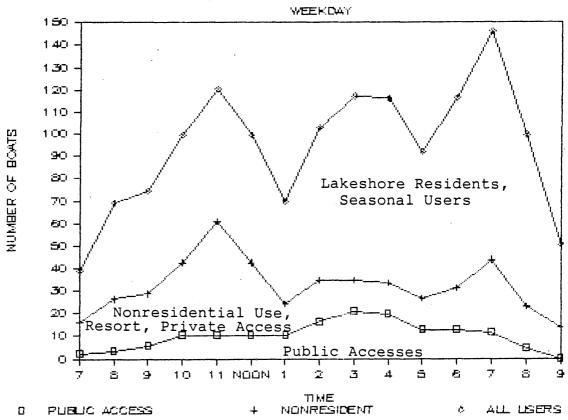
Resident; Seasonal

Users: 3,826 boat hours, 1,366 boating occasions

TOTAL 10,445 boat hours, 2,966 boating occasions

### FIGURE 6 BOATING PATTERNS ON OTHER PUBLIC ACCESS LAKES WEEKDAY USE





LAKES INCLUDED: Ada, Bay, Farm Island, Round (Crow Wing), Sandbar, Sylvan, Clark, Emily/Mary, Little Boy, Nord, Waukenabo

DATA SOURCES: Survey of public and private access users; Survey of boating resort guests; Survey of boating lakeshore residents; Aerial overflights. Survey results used to distribute lake usage over time periods not covered by aerial overflights.

RESULTS: Typical weekday; summer of 1985; totals for 11 lakes.

Public Accesses: 153 boat hours, 42 boating occasions

Resort, Private

Accesses: 330 boat hours, 168 boating occasions

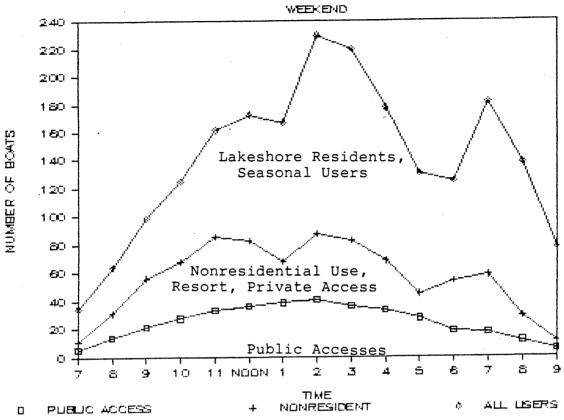
Resident; Seasonal

Users: 930 boat hours, 422 boating occasions

TOTAL 1,413 boat hours, 632 boating occasions

### FIGURE 7 BOATING PATTERNS ON OTHER PUBLIC ACCESS LAKES WEEKEND USE





LAKES INCLUDED: Ada, Bay, Farm Island, Round (Crow Wing), Sandbar,

Sylvan, Clark, Emily/Mary, Little Boy, Nord,

Waukenabo

DATA SOURCES: Survey of public and private access users; Survey

of boating resort guests; Survey of boating

lakeshore residents; Aerial overflights. Survey results used to distribute lake usage over time

periods not covered by aerial overflights.

RESULTS: Typical weekday; summer of 1985; totals for 11 lakes.

Public Accesses: 365 boat hours, 82 boating occasions

Resort, Private

Accesses: 471 boat hours, 173 boating occasions

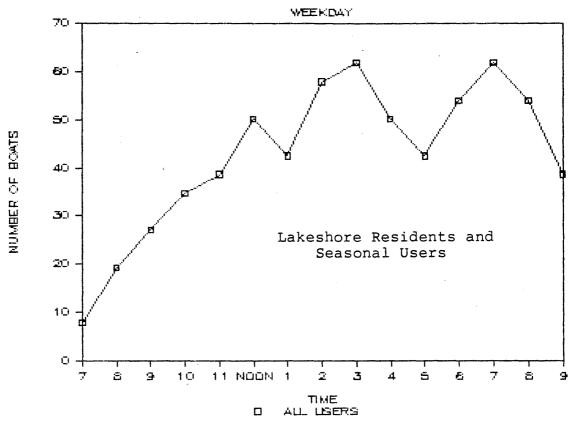
Resident; Seasonal

Users: 1,266 boat hours, 530 boating occasions

TOTAL 2,102 boat hours, 785 boating occasions

### FIGURE 8 BOATING PATTERNS ON OTHER NO PUBLIC ACCESS LAKES WEEKDAY USE

### OTHER LAKES NONPUBLIC ACCESS



LAKES INCLUDED: Borden, Clearwater, Inguadona, Round (Aitkin),

Esquagamah, Hattie, Moccasin, O'Brien

DATA SOURCES: Survey of boating lakeshore residents; Aerial

overflights. Survey results used to distribute lake

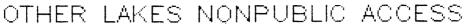
usage over time periods not covered by aerial

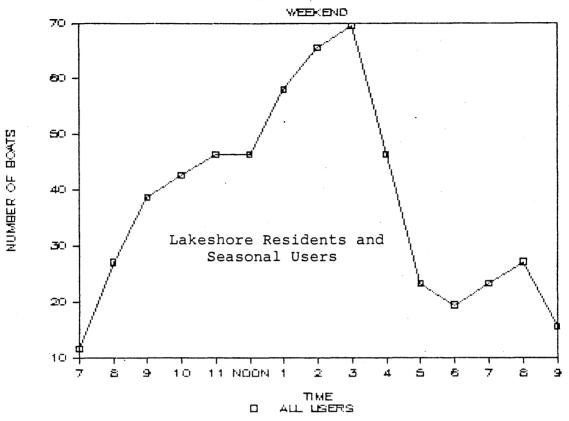
overflights.

RESULTS: Typical weekday; summer of 1985; totals for 8 lakes.

All Users: 642 boat hours, 208 boating occasions

### FIGURE 9 BOATING PATTERNS ON OTHER NO PUBLIC ACCESS LAKES WEEKEND USE





LAKES INCLUDED: Borden, Clearwater, Inguadona, Round (Aitkin),

Esquagamah, Hattie, Moccasin, O'Brien

DATA SOURCES: Survey of boating lakeshore residents; Aerial

overflights. Survey results used to distribute lake

usage over time periods not covered by aerial

overflights.

RESULTS: Typical weekday; summer of 1985; totals for 8 lakes.

All Users: 560 boat hours, 208 boating occasions

TABLE 13

AVERAGE LENGTH OF BOATING OCCASION DURING SUMMER BOATING SEASON

		Category 1	Oth	er Lakes
		With Access	With Access	Without Access
Weekd	ay			
	Public Access	4.00	3.62	
	Resort, Private Access	e 3.86	1.96	
	Resident, Seasonal	2.99	2.20	3.09
Weeke	end			
	Public Access	4.60	4.46	
	Resort, Privat Access	e 3.77	2.72	
	Resident, Seasonal	2.80	2.39	2.69

boating experience. Their most recent boating experience was usually earlier in the day of the interview or the previous day. Because of the small number of interviews conducted on Sunday and Monday on Category 1 lakes resorts, we did not get any responses indicating evening boating usage on weekends.

Realizing that this result was probably an anomaly of the sampling design, we conducted a separate analysis of questions 30, 32, 21 and 22.

Question 30. How many days will you stay at this resort?

Question 32. How many times will you or your party use a boat during your stay?

Question 21. Approximately what percentage of your boating activity occurs on weekdays; on Saturday; on Sunday?

Question 22. During what hours do you boat most frequently on weekdays; on Saturday; on Sunday?

This analysis showed that resort guests on Category 1 lakes boated 46.3 percent of the time on weekdays, 28.1 percent of the time on Saturdays and 25.6 percent of the time on Sundays. Of the total boating occasions by resort guests on Category 1 lakes, 6.5 percent occurred after 5 PM on Saturdays and 5.4 percent occurred after 5 PM on Sundays. Of the total weekend boating occasions by resort guests on Category 1 lakes, 22.3 percent included boating after 5 PM.

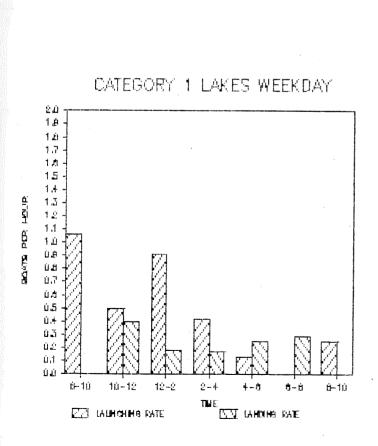
While this analysis does not permit us to complete the missing data in Figure 5, it indicates that 198 of the 890 boating occasions by resort guests extended beyond the 5 PM period.

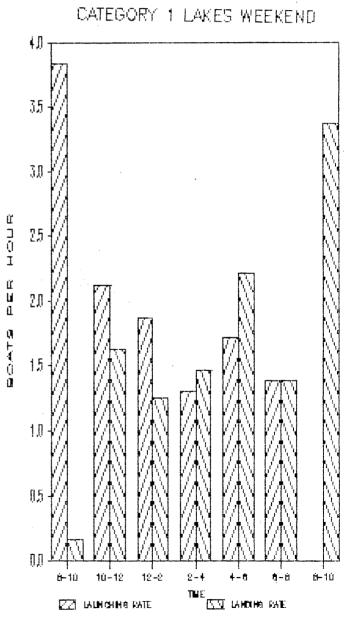
- Access Activity. In addition to conducting interviews during the assigned time period at designated accesses, interviewers were required to record launching, landing and parking activity at each access. These activities were observed under the same locational and temporal conditions described in Section 2 for access interviews. Interviewers recorded these observations on an Access Information Sheet (Appendix L) and were instructed to take such information even during period of poor weather when little or no activity was present. Thus, the results represent a good mix of activity levels over the season under a variety of weather conditions.
  - Parking. Interviewers arriving at the access observed and recorded the number of vehicles with trailers, as well as other vehicles which were parked within boundaries of the designated parking lot. As boats were launched, they also recorded whether the driver parked the vehicle in the designated lot. At the conclusion of the time period allocated for that access, the interviewer again recorded the number vehicles with and without trailers in the lot. Time of interviewer arrival and departure at the access was noted on the access sheet, along with observation of whether it was windy, cloudy or raining.
  - b. <u>Launchings/Landings</u>. During the observation period, interviewers recorded launching and landing activity on their Access Information Sheet. This information provided the basis for calculating launching and landing activity rates for each lake category.

Table 14 summarizes the activity rates at lakes within the three lake categories. Note that rates on the weekend and during the week are quite different, a result that was anticipated and accounted for in the design of the study. Rates also differ by time of day.

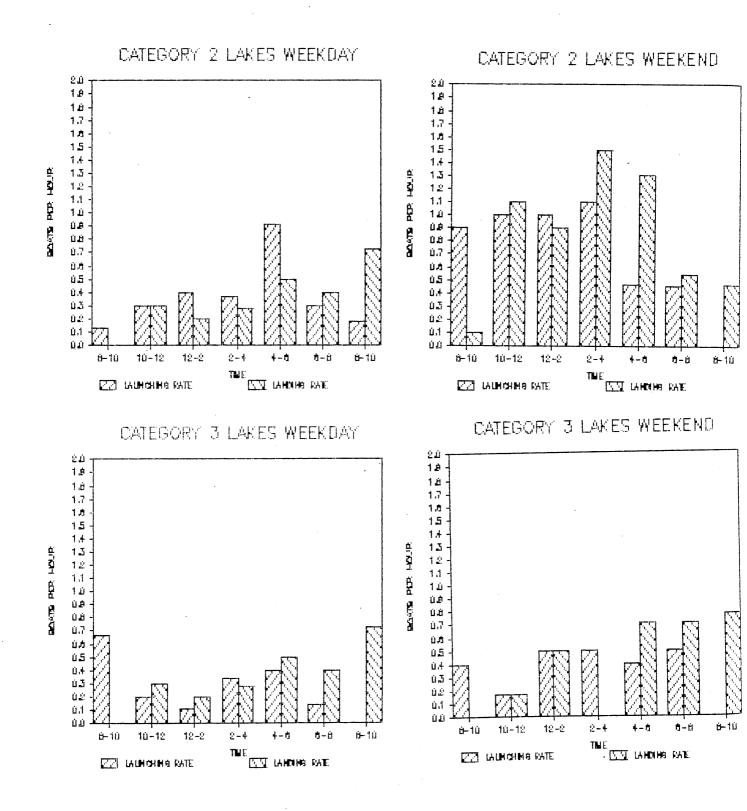
These data are presented graphically in Figure 10.

# FIGURE 10 AVERAGE LAUNCHING AND LANDING RATES THROUGHOUT THE DAY AT PUBLIC ACCESSES





# FIGURE 10 (CONTINUED) AVERAGE LAUNCHING AND LANDING RATES THROUGHOUT THE DAY AT PUBLIC ACCESSES



# TABLE 14 BOAT LAUNCHING AND LANDING RATES AT PUBLIC ACCESSES

#### CATEGORY 1

	WEEKI	DAY	WEEKEND		
TIME	LAUNCH/HR	LAND/HR	LAUNCH/HR	LAND/HR	
8-10	1.07	0.00	3.83	0.17	
10-12	0.50	0.40	2.13	1.63	
12- 2	0.91	0.18	1.88	1.25	
2- 4	0.42	0.17	1.31	1.46	
4-6	0.13	0.25	1.71	2.21	
6-8	0.00	0.29	1.38	1.38	
8-10	0.25	0.00	0.00	3.38	

#### CATEGORY 2

	WEEK	DAY	WEEKEND		
TIME	LAUNCH/HR	LAND/HR	LAUNCH/HR	LAND/HR	
8-10	0.13	0.00	0.90	0.10	
10-12	0.30	0.30	1.00	1.10	
12- 2	0.40	0.20	1.00	0.90	
2- 4	0.36	0.27	1.10	1.50	
4-6	0.92	0.50	0.46	1.31	
6-8	0.30	0.40	0.45	0.55	
8-10	0.18	0.73	0.00	0.46	

#### CATEGORY 3

	WEEK	DAY	WEEKEND		
TIME	LAUNCH/HR	LAND/HR	LAUNCH/HR	LAND/HR	
8-10	0.67	0.00	0.40	0.00	
10-12	0.20	0.60	0.17	0.17	
12- 2	0.11	0.33	0.50	0.50	
2- 4	0.33	0.44	0.50	0.00	
4-6	0.40	0.90	0.40	0.70	
6- 8	0.14	0.57	0.50	0.70	
8-10	0.00	0.50	0.00	0.78	

presents data and calculations of the number and percentage of boaters launching at public accesses who parked their trailer and/or vehicle in the designated public access. Table 15 also presents the calculations of the number of times a parking space was used on a typical summer day in 1985 (i.e. Parking Lot Turnover Rate).

It must be noted that these data and calculations are for the period June - September. During the opening weekend of fishing season (May 18th), the parking lots are usually filled to capacity with considerable random parking along adjacent roadways.

# TABLE 15 PARKING TURNOVER RATES DURING SUMMER BOATING SEASON

Category 1	Weekday	Weekend
Percent Parking in Lot	88.9%	90.6%
Total Users	219	710
Number Parking in Lot	195	643
Available Parking Spaces	409	409
Turnover Rates		
Lot Turnover	.48	1.57
Total Turnover	.54	1.74
Other Lakes	Weekday	Weekend
Percent Parking in Lot	91.4%	73.6%
Total Users	42	82
Number Parking in Lot	38	60
Available Parking Spaces	127	127
Turnover Rates		
Lot Turnover	.30	.48
Total Turnover	.33	. 64

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#### APPENDIX A

INVENTORY OF LAKES 150 ACRES OR LARGER IN SIZE LOCATED IN THE 1985 STUDY AREA

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#### APPENDIX A Inventory of Lakes 150 Acres or Larger in Size Located in the 1985 Study Area

Lake Number Water Acc	Lake Name	Acres	Miles of Shoreline	Shoreline Zoning Class
010093 010096 010137 010142 010157	Clear Dam Round Hill Pine	590 633 645 898 646	4.4 5.9 3.6 10.2 5.8	Recreation Recreation Recreation Gen. Dev. Recreation
010159 010178 010204 110043 110059	Farm Island Spirit Round Roosevelt Washburn	2025 523 736 1561 1768	12.6 5.1 5.0 18.1 17.2	Recreation Recreation Recreation Gen. Dev. Gen. Dev.
110062 110120 110142 110171 110200 110201	Thunder Inguadona Long Wabede Mule Woman	1316 935 926 1272 501 5360	14.9 10.5 11.3 11.5 6.2 26.3	Gen. Dev. Gen. Dev. Gen. Dev. Recreation Recreation Gen. Dev.
110250 110274 110277 110283 110304	Ada Black Water Big Deep Baby Sylvan	1044 761 532 736 882	7.3 8.0 0.0 9.7 9.6	Recreation Recreation Recreation Recreation Gen. Dev.
110305 110308 110311 110371 110383 110412	Gull Big Portage Webb Stony Pleasant Birch	9541 956 619 523 907 1262	38.0 7.0 0.0 6.0 6.2 14.0	Gen. Dev. Gen. Dev. Recreation Recreation Gen. Dev. Gen. Dev.
110412 110413 180018 180020 180028 180034	Ten Mile Camp Borden Smith Bay	4640 537 1038 486 2435	30.0 8.5 11.0 5.7 18.8	Gen. Dev. Gen. Dev. Gen. Dev. Recreation Recreation
180038 180090 180093 180096 180104	Clearwater Serpent Rabbit Upper Long Nokay	917 1154 840 793 782	8.5 8.6 6.1 6.3 6.1	Recreation Gen. Dev. Gen. Dev. Gen. Dev. Recreation
180212 180225 180242 180243 180251 180297	Ruth Adney Upper Mission Lower Mission Sandbar West Fox	623 322 895 739 974 510	4.9 2.8 5.1 5.8 3.1 4.3	Not Avail. Gen. Dev. Gne. Dev. Recreation Recreation Gen. Dev.

100303	Edward	2044	J. 4.	Gen. Dev.
180308	Pelican	8468	22.7	Gen. Dev.
180310	Whitefish	7969	28.4	Gen. Dev.
180311	Rush	782	12.7	Gen. Dev.
180312	Cross	1882	18.3	Gen. Dev.
180315	Big Trout	1486	8.6	Gen. Dev.
180352	Ossawinnamakee	739	13.1	Gen. Dev.
180372	Long	6178	19.3	Gen. Dev.
180372	Round	1706	6.4	Gen. Dev.
180375	Hubert	1344	6.0	Gen. Dev.
180378	Lower Hay	720	4.0	Gen. Dev.
180412	Upper Hay	640	3.7	Gen. Dev.
480002	Mille Lacs	132516	76.2	Gen. Dev.
Water Ac	cess Priority B			
010089	Long	433	5.1	Recreation
010091	Rabbit	210	4.2	Recreation
010099	Gun	735	7.1	Recreation
010102	Wilkins	366	3.7	Recreation
010104	French	155	2.7	Nat. Envir.
010117	Nord	414	5.1	Recreation
010125	Lone	437	5.6	Recreation
010126	Waukenabo	819	4.6	Recreation
010146	Ripple	676	8.2	Recreation
010147	Esquagamah	808	6.1	Recreation.
010147	Hammal	393	4.2	Recreation
010209	Cedar	788	26.2	Recreation
110053	Lawrence	224	4.4	Recreation
110055	Bass	224	3.9	Recreation
110003	Big Rice	2656	14.0	Nat. Envir.
110102	Island	390	5.4	Recreation
110102	Laura	1424	6.5	Nat. Envir.
		426	3.9	Recreation
110105	Upper Trelipe		5.5	
110129	Lower Trelipe	592		Recreation
110167	Little Boy	1396	9.0	Recreation
110170	Hunter	181	2.5	Recreation
110174	Girl	384	8.1	Recreation
110177	Three Island	168	6.2	Nat. Envir.
110199	Hay	406	4.9	Recreation
110218	Upper Gull	345	7.5	Gen. Dev.
110222	Margaret	230	5.3	Nat. Envir.
110232	Hattie	592	6.6	Recreation
110234	Ponto	380	4.3	Recreation
110242	Hand	316	5.2	Recreation
110258	Long	229	4.4	Recreation
110261	Mc Keown	171	3.9	Recreation
110262	Kid	167	2.7	Recreation
110263	Child	295	5.1	Recreation
110273	Widow	197	3.0	Recreation
110282	Mann	484	5.3	Recreation
110296	Moccasin	259	4.7	Recreation
110320	Pillager	213	2.4	Recreation
	-			

2844

Gen. Dev.

180305

Edward

110324	Rock	249	3.0	Recreation
110350	Bowen	185	2.1	Recreation
110351	Five Point	265	3.0	Recreation
110355	Ox Yoke	199	2.7	Recreation
110358	Horseshoe	245	3.4	Recreation
110361	Sanburn	224	2.3	Recreation
110366	Brookway	182	1.6	Recreation
110367	Lind	462	4.9	Recreation
110387	Little Webb	249	2.5	Recreation
110411	Pine Mountain	1657	8.6	Gen. Dev.
110472	Howard	384	6.7	Recreation
110476	Portage	282	2.5	Recreation
110502	Williams	188	3.4	Recreation
180014	Bull Dog	151	2.0	Recreation
180033	Scott	178	1.9	Recreation
180041	Crooked	462	9.2	Recreation
180041	Partridge	185	3.1	Recreation
180050	Portage	292	2.5	Recreation
180050	Agate	203	2.7	Recreation
180070	Hamlet	313	4.2	Recreation
180076		196	3.0	Recreation
	Long Platto			Gen. Dev.
180088		1768	10.3	
180105	Pointon	193	1.7	Recreation
180136	Long	1389	9.3	Gen. Dev.
180139	Little Rabbit	153	4.1	Nat. Envir.
180140	Balck Bear	235	2.7	Recreation
180155	Crow Wing	373	3.9	Gen. Dev.
180165	Ross	504	5.8	Recreation
180169	Stark	228	3.7	Gen. Dev.
180184	Rogers	249	2.4	Recreation
180203	Emily	675	4.8	Gen. Dev.
180211	Blue	185	2.4	NA
180226	Goodrich	398	3.9	Gen. Dev.
180227	O Brien	203	4.8	Gen. Dev.
180231	Butterfield	225	3.2	Recreation
180239	Silver	213	2.1	Recreation
180266	Little Pine	384	7.5	NA
180269	Island	193	4.2	NA
180284	Velvet	167	1.9	NA
180288	ox	258	3.8	Gen. Dev.
180293	Kego	299	3.6	Recreation
180294	Mitchell	460	4.3	Gen. Dev.
180298	East Fox	234	5.0	Gen. Dev.
180306	Bass	455	3.0	Recreation
180314	Duck	160	3.8	Recreation
180320	Gilbert	391	7.9	Gen. Dev.
180338	Gladstone	457	3.5	Gen. Dev.
180340	Little Hubert	192	2.4	Recreation
180342	Lougee	217	2.0	Recreation
180351	Little Pelican	402	3.9	Gen. Dev.
180355	Bertha	353	3.8	Gen. Dev.
180356	Clamshell	238	4.4	Gen. Dev.
180359	Star	153	3.2	Recreation
180361	Kimball	186	3.0	Gen. Dev.

				*
180364	Clear	242	3.4	Recreation
180371	Perch	284	4.2	NA
180374	Clark	309	5.0	Gen. Dev.
180376	Upper Cullen	459	4.3	Recreation
180377	Middle Cullen	405	5.4	Gen. Dev.
180387	Whipple	345	6.9	Recreation
1800396	Edna	156	4.9	NA
180398	Roy	306	5.2	NA
180403	Lower Cullen	469	3.7	Gen. Dev.
180407	East Twin	164	2.5	Gen. Dev.
		201	2.5	dell. Dev.
Water Acce	ess Priority C		·	
			•	
010087	Sugar	466	3.8	Recreation
010092	Swamp	276	2.8	Nat. Envir.
010115	Wladimiraf	440	4.1	Recreation
010120	Section 12	167	2.2	Recreation
010123	Elm Island	656	6.1	Recreation
010129	Sissabagamah	386	4.0	Recreation
010132	Hansen	200	3.3	Nat. Envir.
010170	Hanging Kettle	.320	3.7	Recreation
010174	Thornton	186	4.2	Recreation
010179	Hickory	183	2.3	Recreation
010212	Moulton	282	3.8	Recreation
010212	Edna	272	2.8	Nat. Envir.
110009	Little Thunder	264	6.3	Recreation
110162	Rice	342	2.2	
110226	Loon	220	2.6	Recreation
110220	Pine	256	2.6	Recreation
110292	Norway	498		Recreation
110374	Larson	179	4.1 3.8	Recreation NA
180001	Whitefish	760	7.4	
180009	Erskine			Recreation
180009	Rock	186	2.0	Recreation
180019		210	3.1	Recreation
180029	Holt Shirt	156	2.3	Recreation
		220	4.0	Recreation
180099	Eagle	249	3.1	Recreation
180110	Grave	177	2.2	Gen. Dev.
180117	Blackhoof	195	2.1	Recreation
180126	Mahnomen	468	4.0	Gen. Dev.
180145	Rice	434	36.1	Gen. Dev.
180161	Sebie	180	2.1	Recreation
180170	Upper Dean	263	3.1	Recreation
180183	Island	256	4.7	Gen. Dev.
180185	Mary	491	3.9	Gen. Dev.
180186	Perry	160	2.4	Recreation
180256	Bass	386	2.6	Recreation
180261	Pine	391	6.0	Gen. Dev.
180271	Daggett	284	5.2	NA
180287	Greer	384	5.0	NA
180354	Pig	213	2.4	Gen.Dev.
180366	Arrowhead	285	3.8	Recreation
180367	Stewart	254	2.6	NA

180379 180399 180494 180415 180416	White Sand Nisswa Sibley Jail Lizzie	441 213 412 190 384	3.3 2.6 8.2 2.0 4.0	NA NA Gen.Dev. Recreation Recreation
Water Acc	cess Priority D			
110216 110474 180067 180401	Agate Bass Reno Hole-in-the-Day	151 264 181 217	1.9 0.0 2.6 3.0	Recreation Nat. Envir. NA NA
Water Acc	cess Priority E			
010105 010188 110101 110168 180112 180123 180164 180180 180195 180224 180386	Fleming Blind George Mc Carthey Walf Crocker Nelson Long Dolney Fool Red Sand	326 323 720 194 218 256 323 320 264 250 569	3.0 5.9 6.1 2.4 2.7 4.2 4.0 1.5 2.5 2.7 4.1	Recreation Nat. Envir. Recreation Nat. Envir. Nat. Envir. Nat. Envir. Nat. Envir. Nat. Envir. Nat. Envir. Recreation Nat. Envir. Recreation
Water Ac	cess Priority Z			
010207 010208 110449 180008 180044 180097 180142 180160 180231	Townline Sunset North Haynes Twenty Two Hanks Swamp Russell Mud Mud	174 235 164 169 171 267 153 153	2.6 7.3 1.5 2.5 3.6 0.0 3.4 2.8 2.5	Recreation Recreation Nat. Envir. Nat. Envir. Recreation Nat. Envir. Nat. Envir. Nat. Envir. Nat. Envir.

# APPENDIX B ACCESS QUESTIONNAIRE

#### ACCESS INTERVIEW

ATE	· 	INTERVIEW #	
ITERVIEWER	LAKE	ACCESS	
OF BOAT OCCUPANTS	AdultsTeenag	ersChildren	
	rsAdultsTeenag	ersChildren	•
		ATERS ON THIS LAKE. COULD YOU TA	KE A FEW MINUTES TO
) Where did you launch your b	ooat? (DO NOT READ RESPONSES)		
1_ Here at this access2_ Another public acces3_ Private access	4 Resort/Campgroun ss5_ Friend's home/c6_ Other (SPECIFY	d where staying abin	
How much did you pay to lau	inch? (Dollars)		
Where did you park? (90 MO)	READ RESPONSES)		
1 In lot at access <b>(6</b> 0	) TO QUESTION 4)		
2_ Another lot3_ Street4_ Friend's home/cabin	5 At my home6 At resort/campgr7 Other (SPECIFY	ound where staying : 3A	
3A. How far away was that?	2 miles (use 1/4, 1/2, 3/4	, 1; 2 etc.)	
) Was it today that you launc	:hed?		
_1_ Yes What time	did you launch?	AM PM (CIRCLE DNE)	
That means		hours. Is that correct?	
2_ No What day w	uas it?1 Yesterday 2 2-7 days ago	3 8-14 days ago 4 Earlier than 14 days ago	
What was your group's prima	ry activity on the lake today?	(CIRCLE ONE)	
	3_ Sailing5_ Boat Rid 4_ Canoeing6_ Transport	e tation To/From (SPECIFY	)
7_ Taking boat off lak	e (60 TO QUESTION 5A, 5B, 5C, 5	3)	
•	ing the boat off the lake, when (DATE)	was the last time you used a boa	t on this
	you leave from shore that day? you return to shore that day?	AM PM (CIRCLE ONE)	
5C. What was your	primary activity that day?		
_1Fishin _2Water	ng _3_ Sailing _5_ Booksing _4_ Canoeing _6_ To	oat Ride ransportation To/Fro <b>m (SPECIFY</b>	)
FOR THE REST OF THE	DUESTIONS. PLEASE ANSWER IN TERM	S OF YOUR ROATING ACTIVITY ON THA	T BAV

<b>(b.)</b>	What length is your boat? feet
7.	What size motor do you have? horsepower (_000_ no motor, _999_ don't know)
8.	Approximately how many gallons of gas did you use while boating? gallons (_000_no motor, _999_don't know
9.	Do you have a home, cabin or other residence on this lake?
	_1_ Yes (IF YES, TERMINATE INTERVIEW)
	2_ No (IF NO, GO TO QUESTION 9A AND 9B)
	9A. How far away do you live from here? miles 9B. How many miles did you drive to use this access today? miles
MON	WE HAVE SOME QUESTIONS ABOUT BOATING SAFETY.
10.	Have you yourself ever taken a course in boating safety?
	1Yes2No3Don't Know/Not Sure4Other (Specify)
11.	Has anybody else on your boat taken a boating safety course?
	1Yes2_ No9_ Don't Know/Not SureO Alone On Boat
(12.	) From a safety standpoint, how did you feel about the <u>number</u> of boats on the lake ? Was the lake?  (READ CATEGORIES AND CIRCLE ONE)
	1 About Right2_ Crowded or3_ Far Too Crowded to be Safe? (4_ Few Boats Here9_ Don't Know/No Response)
<b>(13.</b>	) Would you come back to this lake if you if you knew there were going to be about the same number of boats?
	_1_ Yes2_ No9_ Don't Know
11.	) While you were boating, did you see any incidents that you considered to be safety problems?
	_1_ Yes (GO TO QUESTION 14A)
	14A. (IF YES) Tell me what you saw. (DO NOT READ LIST, CIRCLE ALL THAT ARE MENTIONED)
	1_ Near Miss or Collision1_ Use of Alcohol1_ High Wakes1_ Boats not Yielding Right-of-Way1_ Overloaded boats1_ Other Carelessness (Describe)1_ Boats too Close to Shore or Docks1_ Excessive Speed
	2_ No9_ Don't Know/Not Sure0_ No Answer (GO TO QUESTION 15)
<b>(15.</b>	) While you were on the lake, did you happen to see an enforcement officer?
	_1_ Yes (GO TO QUESTION 15A AND QUESTION 15B)
	15A. (IF YES) What agency was the officer from?
	1_ Sheriff's _2_ Conservation _3_ Park _4_ Other _9_ Don't Know/ Department Officer Police Not Sure
	150. Were you spot checked by that officer?
	_1_ Yes2_ No9_ Don't Know/Not Sure
	2_ No9_ Don't Know/Couldn't Tell For Sure (GO TO QUESTION 16)

MON	A FEW QUESTIONS ABOUT THIS ACCESS (IF PRIVATE ACCESS OR MARINA, SKIP TO QUESTION 23 ON MEXT PAGE)	
16.	Have you ever used this access before?	
	_1_ Yes2_ No9_ Don't Know/Not Sure	
17.	Was it well enough marked with directional signs for you to find it <u>easily</u> ?	
	_1_ Yes2_ No3_ I don't need signs9_ Don't Know/Not Sure	
18.	Did you use a map to find this access today?	
	1 Yes (GO TO QUESTIONS 18A and 18B )	
	18A. (IF YES) Did you use one of these? (HOLD UP LAKE ACCESS GUIDES)	
	i Yes (GO TO QUESTION 188) 2_ No9_ Don't Know/Not Sure (GO TO QUESTION 19)	
	18B. Was it detailed enough to help you find the access?1_ Yes2_ No3_ Other (SPECIFY	)
	2_ No3_ Don't Know/Not Sure (GO TO QUESTION 19)	
19.	How would you rate this access for launching and landing your boat? Do you feel it is (READ)	
	_1_ Excellent _2_ Good _3_ Fair _4_ Poor _5_ Very Poor	
20.	Did you have any particular problems using this access today?	
	1 Yes (GO TO QUESTION 20A)	
	20A. (IF YES, ASK) What was the problem? (BO NOT READ LIST, CIRCLE ALL THAT ARE MENTIONED)	
	1_ Crowded access for parking1_ Inadequate signing1_ Crowded access for launching/landing1_ Swimmers/Skiiers near ramp1_ Water too shallow1_ Ramp blocked by parked cars, campers, etc1_ Ramp not well maintained or inadequate1_ Other (SPECIFY	_}
	2_ No9_ Don't Know/Not Sure (60 TO QUESTION 21)	· ,
21,	What did you like about this access? (SPECIFY	-
	***************************************	_)
22)	Which of the following improvements do you feel are needed at this launch site? (READ LIST, CIRCLE ALL YES ANSWERS)	

### ASK OF ALL RESPONDENTS

23.	Do you prefer a solid concrete, plank concrete or gravel ramp?	
	1 Solid Concrete 3 Gravel 5 Other (SPECIFY ) 2 Plank Concrete 4 No Difference 9 Not Sure/Don't Know	
24.)	How many times have you used this access in the last 12 months? times	*
<b>3</b>	How many times have you used free public accesses at other Minnesota lakes in the last 12 months?	times
<u>26.</u>	What special boating use restrictions are there for this lake? (BO NOT READ LIST, CIRCLE ALL MENTIONED)	
	1 None 1 Boat type and size restrictions 1 Speed restrictions/Quiet Waters 1 Area of lake restrictions 1 Horsepower restrictions 1 Other (SPECIFY ) 1 Time restrictions 1 Don't Know/Not Sure	
27)	What special boating use restrictions do you feel are needed on this lake? (READ LIST, CIRCLE ALL YES AMSWERS)	
28.	How many wearable life jackets did you have on your boat? (NUMBER)	
29)	How many boat <u>cushions</u> did you have?(MUMBER)	
<b>39.</b>	What percent of the time were you wearing a life jacket? %  How about other members of your boating group? % other adults % teenagers % children	
31.	Which of the following do you have on your boat? (READ LIST AND CIRCLE ALL YES ANSWERS)	
	1_ Fire Extinguisher1_ Visual Signaler (flag, flare gun, etc.)1_ Lights1_ Horn	
32.	What do you estimate to be the replacement value of your boat, motor, trailer and other attached equipment?(DOLLARS)	

JUST	FEN FINAL QUESTIONS
	out how much money did your group spend on this particular boating activity including gas for your boat, bait, rental, of drink ?  \$
34.)	ich category on the blue card best describes your total household income before taxes last year. ease give me the letter. (CIRCLE ONE LETTER)
	A Less than \$ 5,000 (01)
<b>33.</b>	ich of the beverages on the white card did you have with you on the boat today? st give me the letters. (CIRCLE ALL MENTIONED)
	A-1_ Soft drinksD-1_ BeerG-1_ None B-1_ Coffee/Tea/WaterE-1_ WineH-1_ Refused to Answer C-1_ Other NonalcoholicF-1_ Other AlcoholicI-1_ Don't Know/Not Sure
<b>36.</b>	ich number on the yellow card best describes the type of beverage use you personally feel is appropriate or boat operators? Just give one number. (CIRCLE ONE NUMBER)
	1 Nonalcolic beverages only
	2_ Beer or wine only !IF RESPONDENT REPLYS "IN HODERATION" ! !CHECK HERE!
	3_ Any alcoholic beverage
	9_ Bon't Know/ No Opinion
(EITI	OBSERVE OR ASK BOAT TYPE AND BOAT LICENSE NUMBER)
BOAT	PE (1 = Fishing; 2 = Runabout; 3 = Sail; 4 = Pontoon; 5 = Canoe; 6 = Other)
BOFT	CENSE NO (ASK FOR HOME TOWN AND ZIPCODE IF LICENSE IS UNREADABLE OR OUT OF STATE)
	INF. TOW

BOAT TYPE ____ (1 = Fishing; 2 = Runabout; 3 = Sail; 4 = Pontoon; 5 = Canoe; 6 = Other______

BOAT LICENSE NO. _____ (ASK FOR HOME TOWN AND ZIPCODE IF LICENSE IS UNREADABLE OR ON HOME TOWN ______

ZIP CODE ______

THAT'S THE END OF THE QUESTIONS. THANK YOU VERY MUCH.

INTERVIEW ENDING TIME _____ AN PM (CIRCLE ONE)

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# APPENDIX C RESORT QUESTIONNAIRE

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#### RESORT INTERVIEW

#### INTERVIEW INFORMATION

DAIL			
INTERVIEWER	LA	AKE	
on this lake. Must be at le once during this boating seaso	east 18 years of age, had, and at least sometime	a boat (any type) that is docked or moored ave been out on this lake at least es operate the boat themselves.	
		URVEY OF BOATERS ON THIS LAKE. I'D LIKE TO ASK TED A BOAT ON THIS LAKE THIS YEAR.	A FEW QUESTIONS OF
1. How many of each of the (READ LIST AND RECORD NUMB		ts did you bring with you ? PE)	
Didn't bring any boats	with us (0)		
Fishing Boats (1)	Pontoons (4	4)	
Runabouts (2)	Canoes (5)		
Sailboats (3)	Other (6) (	(SPECIFY)	•
2. When was the last time you	used a boat on this lal	ke?(DAY, DATE)	
3. Approximately what time di	d you leave from shore?	AM PM (CIRCLE ONE)	
Aproximately what time did	you return here?	AM PM (CIRCLE ONE)	
That means you were on the	lake about	hours. Is that correct?	
4.) Did you yourself operate t	he boat for any of that	time?	•
1 Yes	2 No		
5.) How many people including	yourself were in the boa	at that day?	
6. What was your group's <u>prima</u>	<u>ry</u> activity while boatir	ng? (CIRCLE ONE ANSWER)	
_1_ Fishing _2_ Water Skiing	_3_ Sailing _4_ Canoeing	5_ Cruising 6_ Transportation To/From (SPECIFY	)
7. On that day, what type of b	oat did you use?	(1=Fishing; 2=Runabout; 3=Sail; 4=Pontoon; 5=c	:anoe; 6=Other)
(8.) What is the length of the	boat? feet		
9. What size motor did you ha	ve? horsep	power (_000_ no motor, _9	99 don't know)
(10.) Approximately how many gal	lons of oas did you use	while boating that day? gallons ( 000	) no motor.

(11) Have you yourself ever taken a course in boating safety?
1 Yes 2 No 3 Don't Know/Not Sure 4 Other (Specify )
12) Has anyoody else who lives at this address ever taken a boating safety course?
_1_ Yes2_ No9_ Don't Know/Not Sure
13. From a safety standpoint, how did you feel about the <u>number</u> of boats on this lake the last time you were boatin was the lake?(READ CATEGORIES AND CIRCLE ONE)
_1_ About Right _2_ Crowded or _3_ Far Too Crowded to be Safe? (_4_ Few Boats Here9_ Don't Know/No Response)
Again from a saftey standpoint, do you feel the lake is usually? (READ CATESORIES AND CIRCLE DNE)1_ About Right2_ Crowded or3_ Far Too Crowded to be Safe?
15. The last time you were boating, did you see any specific incidents that you considered to be safety problems?
_1_ Yes (GD TO EDESTION 15A)
15A. (IF YES) Tell me what you saw. (DO NOT READ LIST, CIRCLE ALL THAT ARE MENTIONED)
1 Near Miss or Collision 1 Use of Alcohol 1 High Wakes 1 Boats not Yielding Right-of-Way 1 Overloaded Bcat 1 Other Carelessness (Describe ) 1 Boats too Close to Shore/Docks 1 Excessive Speed
_2_ No _9_ Don't Know/Not SureO_ No Answer (GO TO QUESTION 16)
16. While you were on the lake that day, did you happen to see an enforcement officer?
_1_ Yes (GD TO QUESTION 16A AND QUESTION 16B)
16A. (IF YES) What agency was the officer from?
_1_ Sheriff's _2_ Conservation _3_ Park _4_ Other _9_ Don't Know/ Department Officer Police Not Sure
16B. Were you spot checked by that officer?
_1_ Yes2_ No9_ Don't Know/Not Sure
2_ No9_ Don't Know/Couldn't Tell For Sure (ED TO QUESTION 17)

NOW HE HAVE SOME QUESTIONS ABOUT BOATING SAFETY.

	Have you ever used a map to find a public access on a Minnesota lake?
	_1_ Yes (60 TO GUESTIONS 18A and 18B)
	18A. (IF YES) Did you use one of these? (HOLD UP LAKE ACCESS SUIDES)
	_1_ Yes (60 TO QUESTION 188) _2_ No9_ Don't Know/Not Sure (60 TO QUESTION 19)
	18B. Was it detailed enough to help you find the access?1_ Yes2_ No3_ Other (SPECIFY)
	_2_ No _3_ Don't Know/Not Sure (60 TD QUESTION 19)
19.)	What special boating use restrictions are there for this lake? (DO NOT READ LIST, CIRCLE ALL MENTIONED)
	1 None 1 Boat type and size restrictions 1 Speed restrictions/Quiet Waters 1 Area of lake restrictions 1 Horsepower restrictions 1 Other (SPECIFY ) 1 Time restrictions 1 Don't Know/Not Sure
0	What special boating use restrictions do you feel are needed on this lake? (READ LIST, CIRCLE ALL YES ANSWERS
	_1_ None
	Approximately what percent of your boating activity occurs on week days?
	on Saturday?Z
	on Sunday?
	(TOTAL = 100Z)
2)	During what hours do you boat most frequently on week days?(Probe for specific time period)  Example: 8-10 AM)
	on Saturday?
	on Sunday?
3)	Do crowded conditions cause you to boat less frequently or at different times than you would otherwise?
	1_ Yes (Explain how your boating use has changed because of crowding
	_2_ No
1)	Which of the following do you have on your boat? (READ LIST, CIRCLE ALL YES ANSWERS)
_	1_ Fire Extinguisher1_ Visual Signaler (flag, flare gun, etc.)5_ Wearable Life Jackets1_ Lights1_ Horn6_ Boat Cushions

JUST	A FEW	FI	IAL	<b>QUESTIONS</b>	3			•					
25.)	What	do v	ou	estimate	to	be	the	replacement	value	σf	your	boat.	noto

(25.)	What do you estimate to be the replacement value of your boat, motor, trailer and other attached equipment? (DOLLARS)
<u>26</u> )	Which category on the blue card best describes your total household income before taxes last year. Please give me the letter. (CIRCLE ONE LETTER)
	A Less than \$ 5,000 (01)
<b>27</b>	Which of the beverages on the white card did you have with you on the boat the last time you were out?  Just give me the letters. (CIRCLE ALL MENTIONED)
	_A
28.	Which number on the yellow card best describes the type of beverage use you personally feel is appropriate for boat operators? Just give one number. (CIRCLE ONE LETTER)
	1 Nonalcholic beverages only
	2_ Beer or wine only :IF RESPONDENT REPLYS "IN MODERATION" : CHECK HERE :
	3_ Any alchoholic beverage
29.	How far did you travel to get to this resort? (MILES)
<u>30</u> ,	How many days will you stay at this resort?(DAYS)
(31,	Where did you launch your boat? (READ LIST AND CIRCLE NUMBER)
	O Rented or borrowed boat, did not launch1_ Public Access
	2_ Resort Access3_ Other Private Access
<b>32.</b>	How many times will you or your party use a boat during your stay?
THAT	'S THE END OF THE QUESTIONS. THANK YOU VERY MUCH.
====	ADDRESS
	CITY
INTE	RVIEW ENDING TIME AM PM (CIRCLE DWF)

APPENDIX D
RESIDENT QUESTIONNAIRE

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#### RESIDENT INTERVIEW

#### INTERVIEW INFORMATION

DATE	
INTERVIEWER	LAKE
on this lake for the sum other commercial establishm	Must own or regularly operate a boat (any type) that is docked or moored mer on their own or friends property - cannot keep it in a marina or at ent. Must be at least 18 years of age, have been out on this lake at least ason, and at least sometimes operate the boat themselves.
# · · · · · · · · · · · · · · · · · · ·	I'N CONDUCTING A SURVEY OF BOATERS ON THIS LAKE. I'D LIKE TO ASK A FEW QUESTIONS OF LIVES HERE AND HAS OPERATED A BOAT ON THIS LAKE THIS YEAR.
	following types of boats are normally kept on this property during the boating season?  WHER OF BOATS FOR EACH TYPE)
Fishing Boats (1)	Pontoons (4)
Runabouts (2)	Canoes (5)
Sailboats (3)	Other (6) (SPECIFY)
2. When was the last time	you used a boat on this lake?(DAY,DATE)
3. Approximately what time	did you leave from shore? AM PM (CIRCLE ONE)
Aproximately what time	lid you return home? AM PM (CIRCLE DNE)
That means you were on	the lake about hours. Is that correct?
4. Did you yourself operate	the boat for any of that time?
_1_ Yes	2_ No
5. How many people including	g yourself were in your boat that day?
6. What was your group's <u>pr</u>	mary activity while boating? (CIRCLE ONE ANSWER)
_1_ Fishing _2_ Water Skiing	3_ Sailing5_ Boat Ride 4_ Canoeing6_ Transportation To/From (SPECIFY)
7.On that day, what type o	boat did you use? (1=Fishing; 2=Runabout; 3=Sail; 4=Pontoon; 5=canoe; 6=Other
B. What is the length of yo	ur boat? feet
9.) What size motor did you	have? horsepower (_000_ no motor, _999_ don't know)
(10.) Approximately how many	allons of gas did you use while boating that day? gallons (_000_ no motor,

NON	WE HAVE SOME QUESTIONS ABOUT BOATING SAFETY.
11.	Have you yourself ever taken a course in boating safety?
	1 Yes 2 No 3 Dan't Know/Not Sure 4 Other (Specify )
12.	Has anyoody else who lives at this address ever taken a boating safety course?
	_1_ Yes2_ No9_ Don't Know/Not Sure
	From a safety standpoint, how did you feel about the <u>number</u> of boats on this lake the last time you were boating Was the lake?(READ CATEGORIES AND CIRCLE ONE)
	_1_ About Right _2_ Crowded or _3_ Far Too Crowded to be Safe? (_4_ Few Boats Here9_ Don't Know/No Response)
14.	Again from a saftey standpoint, do you feel the lake is usually? (READ CATEGORIES AND CIRCLE ONE) 1_ About Right2_ Crowded or3_ Far Too Crowded to be Safe?
15.	The last time you were boating, did you see any specific incidents that you considered to be safety problems?
	15A. (IF YES) Tell me what you saw. (DO NOT READ LIST, CIRCLE ALL THAT ARE MENTIONED)
16.	2_ No9_ Don't Know/Not Sure0_ No Answer (60 TO QUESTION 16) While you were on the lake that day, did you happen to see an enforcement officer?
	1 Yes (GO TO QUESTION 16A AND QUESTION 16B)
	16A. (IF YES) What agency was the officer from?
.	_1 Sheriff's _2 Conservation _3 Park _4 Other 9 Don't Know/ Department Officer Police Not Sure
	16B. Were you spot checked by that officer?
	_1_ Yes2_ No9_ Don't Know/Not Sure
•	2_ No9_ Don't Know/Couldn't Tell For Sure (GO TO QUESTION 17)

<b>17</b> .	How many times have you used free public accesses at other Minnesota lakes in the last 12 months? times
(18.)	Have you ever used a map to find a public access on a Minnesota lake?
	_1_ Yes (60 TO QUESTIONS 18A and 18B)
	18A. (IF YES) Did you use one of these? (HOLD UP LAKE ACCESS GUIDES)
	_1_ Yes (60 TO QUESTION 18B)2_ No9_ Don't Know/Not Sure (60 TO QUESTION 19)
	18B. Was it detailed enough to help you find the access?1_Yes2_No3_ Other (SPECIFY)
	2_ No3_ Don't Know/Not Sure (60 TO RUESTION 19)
19.	What special boating <u>use restrictions</u> are there for this lake? (DO NOT READ LIST, CIRCLE ALL MENTIONED)
	1 None 1 Boat type and size restrictions 1 Speed restrictions/Quiet Waters 1 Area of lake restrictions 1 Horsepower restrictions 1 Other (SPECIFY ) 1 Time restrictions 1 Don't Know/Not Sure
<b>(20.)</b>	· · · · · · · · · · · · · · · · · · ·
	1 None
21)	Approximately what percent of your boating activity occurs on week days?%
	on Saturday?Z
	on Sunday?
	(TOTAL = 100I)
22,	During what hours do you boat most frequently on week days?(Probe for specific time period)
	Example: 8-10 AM) on Saturday?
	on Sunday?
23,	Do crowded conditions cause you to boat less frequently or at different times than you would otherwise?
	1 Yes (Explain how your boating use has changed because of crowding
	2_ No
24.	Which of the following do you have on your boat? (READ LIST, CIRCLE ALL YES ANSWERS)
	1_ Fire Extinguisher1_ Visual Signaler (flag, flare gun, etc.)5_ Wearable Life Jackets1_ Lights1_ Horn6_ Boat Cushions

#### JUST A FEW FINAL QUESTIONS

<b>(25.)</b>	What do you estimate to be the replacement value of your boat, motor, trailer and other attached equipment?(DOLLARS)
<b>26.</b> )	Which category on the blue card best describes your total household income before taxes last year. Please give me the letter. (CIRCLE ONE LETTER)
	_A Less than \$ 5,000 (01)
27)	Which of the beverages on the white card did you have with you on the boat the last time you were out? Just give me the letters. (CIRCLE ALL MENTIONED)
	_A-1_ Soft drinks D-1 Beer G-1 None _B-1_ Coffee/Tea/Water E-1 Wine H-1 Refused to Answer _C-1_ Other Nonalchoholic F-1 Other Alchoholic I-1 Don't Know/Not Sure
<u>28.</u>	Which number on the yellow card best describes the type of beverage use you personally feel is appropriate for boat operators ? Just give one number. (CIRCLE CNE NUMBER)
	1 Nonalcholic beverages only
	_2_ Beer or wine only !IF RESPONDENT REPLYS "IN MODERATION" !
	_3_ Any alchoholic beverage
	9_ Don't Know/ No Opinion
29.	Is this your permanent home?1_ Yes2_ No
THAT	'S THE END OF THE QUESTIONS. THANK YOU VERY MUCH.
INTE	RVIEW ENDING TIME AM PM (CIRCLE ONE)

# APPENDIX E SUMMARY OF INTERVIEW RESULTS

## RESULTS OF ACCESS SURVEY

RESULTS OF RESORT SURVEY (Administered at Designated (Administered at Selected Public Accesses) Resorts)

RESULTS OF RESIDENT SURVEY (Administered to Lakeshore Residents)

DATA ITEM	LAKE CI	ATEGORY Other		1	ATEGORY Other		E CATEGORY 1 Other
AVERAGE NUMBER OF BOAT OCCUPANTS	(117)	(122)	( )	 '5)	( 66)	(236	(316)
Adults/Boat	2.2	1.9					
Teens/Boat	0.2	0.1					
Children/Boat	0.3	0.1					
Total/Boat			2	.7	2.4	2.7	7 2.5
% of Boat Occupants Wearing Life Jackets	(114)	(115)					
Adults	2.7%	4.7%					
Teens	0.0%	7.5%					
Children	58.3%	58.6%				•	
Question 1 -Where Launched	(117)	(122)					
This Access	99.1%	100.0%					
Another Public Access							
Private Access							-
Resort - Campground	0.9%						
Friend's							
Other							
Question 2 - % Who Paid to Launch	(113) 0.9%	(122) 0.0%					
Question 3 -Parking Location	(115)	(122)					
Lot at Access	90.4%	78.7%					
Other Lot		0.8%					
Friend's House	5.2%	6.6%					•
At Home	1.7%	4.1%					
Resort or Campground	2.6%	4.1%					
Other		5.7%				÷	
Question 3A -Average Distance to Parking;	( 7)	( 21)					
in Miles (For those not parking at lot)	2.4	0.8					
Question 4 -% That Launched Today	(115)	(122)					
	86.1%	81.1%					
	(99)	(95)	( 75	i)	( 66)	(237)	(317)
Question 4 -Average Hours on Lake	4.7	4.2	3.		2.5	2.8	2.3
Question 4 -Day Launched							
(For those not launching today)	(16)	(23)					
Yesterday	12.5%	39.1%					
2-7 Days Ago	50.0%	43.5%					
8-14 Days Ago	12.5%	•					
Before 14 Days Ago	25.0%	17.4%					

	RESULTS OF ACCESS SURVEY (Administered at Designated Public Accesses)		RESULTS OF RESORT SURVEY (Administered at Selected Resorts)		RESULTS OF RESIDENT SURV (Administered to Lakeshore Residents)	
DATA ITEM	LAKE CA	ATEGORY Other	LAKE CA	ATEGORY Other	LAKE: CA	TEGORY Other
		******			-	******
Question 5 -Primary Activity	(117)	(122)	(77)	( 66)	(236)	(317)
Fishing	63.2%	81.1%	66.2% 5.2%	77.3%	53.0%	59.3%
Water Skiing	5.1%	1.6%	. 3. 44	6.1% 15.2%	2.1%	11.4%
Boat Ride	25.6% 6.0%	· 5.7% 11.5%		13.24	34.7%	26.5%
Removing Boat Sailing	0.0%	11.34		1.5%	2.5%	0.9%
Canoeing			3.9%	1.34	0.4%	0.7%
Transportation			24.7%		7.2%	0.7%
ir anspor cacron			LY. i h		1 • £ h	V s / le
Question 5C -Primary Activity Time Before Taking Boat Out	(117)	(122)				
Fishing	42.9%	78.6%				•
Water Skiing	28.67	14.3%				
Boat Ride	28.6%	7.1%	-			
Removing Boat						
Sailing						
Canoeing						
Transportation						
Question 6 -Average Length of Boat(Feet)	(117)	(121)	(76)	( 65)	(237)	(317)
	16.1	15.6	16.2	15.3	17.2	16
Question 7 -Average Size of Motor	(116)	(120)	( 66)	( 65)	(229)	(289)
	64.2	43.3	57.0	41.7	71.3	24.3
% with second smaller motor	6.9%	2				
Question 8 Average Gallons of Gas Used	(108)	(120)	(63)	( 58)	(211)	(272)
Muestion o Average dailons of das osed	3.7	2.4	2.3	1.5	2.9	1.7
	U.,/	± 8 T	ž. U	110	<b>2.</b> 1	4 = 1
Question 9- Respondents with Lake Cabins/	(117)	(122)				
Residences	8.5%	18.0%				
Weardelinea	0.64	101VA				
Question 9a-Average Miles to Primary	(102)	(97)	( 77)	( 65)		•
Residence	93.2	108.8	150.0	340.4		
The state of the s	7212	2 4 2 0 2				
Question 9b -Average Miles Driven to Acces	ss (101)	(98)			-	•
	33	24.3				
			-			
Question 10 -Boat Safety Course Respondant	t (107)	(100)	( 77)	( 65)	(237)	(316)
Yes	18.7%	17.0%	27.3%	26.2%	24.5%	21.2%
		•				
Question 11 -Boat Safety Course Other	(104)	(100)	(77)	( 65)	(235)	(305)
·	13.5%	9.0%	23.4%	10.8%	20.9%	16.4%
		•				

		(Administered at Designated Public Accesses)		(Administered at Selected Resorts)		(Administered to Lakeshore Residents)	
DATA ITEM	LAKE C	ATEGORY Other	LAKE C	ATEGORY Other	LAKE C	ATEGORY Other	
DHIH TIEU	1		1			orner	
Question 12 -Safety of Number of Boats	(107)	(100)	(76)	( 66)	(236)	(317)	
Few Boats	22.4%	25.0%	40.8%	42.4%	55.5%	43.5%	
About Right	69.2%	73.0%	55.3%	54.5%	38.6%	50.5%	
Crowded	6.5%	2.0%	3.9%	3.0%	5.9%	5.7%	
Far Too Crowded	0.9%					0.3%	
Question 13 -Return If Same Conditions	(107)	(100)		<b>\</b>			
No	3.7%	1.0%					
Question 14 -Safety Incidents Today	(107)	( 98)	( 77)	( 66)	(237)	(317)	
Yes	10.3%	5.1%	11.7%	13.6%	17.3%	15.5%	
Question 14A -What Incidents? (% of th	ose observing i	incidents)					
	( 11)	(5)	( 9)	( 9)	( 41)	( 49)	
Near Miss or Collision	54.5%		11.1%	22.3%	9.8%	10.2%	
High Wakes	18.2%		33.3%	11.1%	41.5%	32.6%	
Boars Not Yielding	18.27	40.0%	11.1%		9.8%	8.2%	
Other Carelessness	27.3%	80.0%	77.8%	66.8%	48.8%	36.7%	
Excessive Speed	9.0%	40.0%	11.1%	22.3%	51.2%	44.9%	
Overloaded Boats			11.17		14.6%	8.2%	
Boats Too Close to Shore			11.17	22.3%	22.0%	28.6%	
Use of Alcohol					7.3%	2.0%	
Question 15 -See Enforcement Officer?	(107)	(100)	( 77)	( 66)	(234)	(317)	
Yes	1.9%	3.0%	3.9%	4.5%	8.1%	3.2%	
Question 15A -Officer's Agency (% of t	hose observing	an officer)					
•	(2)	( 3)	( 3)	( 3)	(18)	( 10)	
Sheriff	50.0%	66.7%		66.7%	72.2%	60.0%	
Conservation		33.3%	100.0%	33.3%	27.8%	40.0%	
Don't Know	50.07						
Question 15B -Spot Checked?	(107)	(100)	( 77)	( 66)	(234)	(317)	
Yes	0.9%	2.0%	3.9%	3.0%	1.3%	0.61	
Question 16 -Used This Access Before	(107)	(100)					
Yes	75.7%	74.0%					
Question 17 -Adequate Directional Signs	(107)	(100)					
Yes	79.4%	62.0%					
	(Significance	= =.0093)					
Question 18 -Use of a Map	(104)	( 99)	( 77)	( 66)	(235)	(316)	
Yes	5.8%	10.1%	13.0%	10.6%	5.5%	13.3%	

RESULTS OF ACCESS SURVEY RESULTS OF RESORT SURVEY

RESULTS OF RESIDENT SURVEY

#### RESULTS OF ACCESS SURVEY (Administered at Designated Public Accesses)

## RESULTS OF RESORT SURVEY (Administered at Selected Resorts)

RESULTS OF RESIDENT SURV (Administered to Lakeshore Residents)

LAKE CATEGORY 1 Other

(13) (42) 30.8% 23.8%

100.0% 100.0%

(10)

( 4)

	Public Acc	esses)	Resorts)  LAKE CATEGORY						
	LAKE CA	TEGORY							
DATA ITEM	1	Other	1	Other					
Question 18A -Use DNR Map (% of those using maps)									
	( 6)	( 10)	( 6)	(5)					
Yes	0.0%	20.0%	33.37	40.0%					
Question 188 -Detailed Enough? (% using	DNR map)		•						
		(2)	( 2)	(3)					
Yes		50.0%	100.0%	100.0%					
Question 19 -Access Rating	(107)	( 99)							
Excellent	54.2%	27.3%							
Good	32.7%	50.5%							
Fair	10.3%	20.2%							
Poor	2.8%	2.0%							
Question 20 -Access Problems Today? (% of Those who had Problems)	(106)	(98)							
Yes	11.3%	16.3%							
Question 20A -Use Problems	(12)	(16)							
Crowded Access for Parking	16.7%	12.5%							
Crowded Access for Launching	25.0%	6.2%							
Water Too Shallow	33.3%	31.2%							
Ramp Not Well Maintained	16.7%	12.5%							
Inadequate Signing		18.87							
Other	41.7%	25.0%							
Question 21 -Liked About Access	(90)	(82)							
Handy	3.3%	1.2%							
Good Drop	10.0%	13.4%							
Big, Wide Ramp	11.1%	1.2%							
Ramp Type	13.3%	20.7%							
Good Ramp	5.6%	9.8%							
Easy for Launching	10.0%	11.0%							
Parking	20.0%	31.7%							
Not Crowded	5.6%	4.9%							
Ramp Design	3.37	11.0%							
Access Design	3.3%	1.2%							
Parking Design	4.4%	****							
Free	5.6%								
Location	8.9%	7.3%							
Beach	1.1%	, , , , ,							
Dock	13.3%	6.1%							
Clean	8.9%	2.4%							
Nothing Particular	1.1%	2.4%							
Other	4.4%	6.1%							

#### RESULTS OF ACCESS SURVEY (Administered at Designated (Administered at Selected Public Accesses)

Resorts)

RESULTS OF RESORT SURVEY RESULTS OF RESIDENT SURVEY (Administered to Lakeshore Residents)

DATA ITEM	LAKE CI	ATEGORY Other	LAKE (	CATEGORY Other	LAKE 1	CATEGORY Other
Question 22 -Improvements Needed at Access	(63)	(93)				
Directional Signs	9.5%	33.3%				
Informational Signs	3.2%	12.9%				
Dock for Launching	31.7%	21.5%				
Better Area Lighting	19.0%	10.8%				
Beacon Light	36.5%	18.3%				
Trash Containers	28.67	74.2%				
Trash Pickup	31.7%	39.8%				
Toilets	14.3%	59.1%				
Another Ramp	25.4%	7.5%				
Better Enforcement	4.8%	4.3%				
Other Improvements	11.17	8.6%				
Question 23 -Ramp Type Preference	. (105)	(100)				
Solid Concrete	41.0%	53.0%				
Plank Concrete	58.17	41.0%				
Gravel		3.0%				
No Difference	10.0%	3.0%				
8						
	(105)	(95)				
Question 24 -Average Use of This Access in the Prior 12 Months	6	4.2				
Question 25 -Average Use of Other	(103)	(95)	( 76)	( 66)	(235)	(313)
Minnesota Public Access Last 12 Months	16.4	32.7	5.9	6.3	1.8	3.0
Median use of other accesses	8.0	15.0	2.0	0.0	0.0	0.0
Question 26 -Boating Use Restrictions	(103)	(97)	( 77)	( 65)	(221)	(313)
No Restrictions	59.2%	63.9%	44.1%	27.7%	44.3%	
Speed	5.8%	7.2%	11.7%	6.2%	31.7%	13.4%
Horsepower						
Time			1.3%		0.9%	
Boat Type and Size					0.4%	
Area of Lake			5.2%	3.1%	11.8%	
Other	2.9%		1.37	3.1%	4.17	
Don't Know	32.0%	28.9%	39.0%	64.6%	24.9%	37.1%
Question 27 -Needed Use Restrictions	(104)	(91)	( 77)	( 66)	(222)	(316)
Speed	4.8%	11.0%	14.3%	9.1%	33.8%	19.3%
Horsepower	1.07	3.3%	6.5%	6.1%	12.67	
Time	1.0%	1.1%		4.5%	9.0%	6.6%
Boat Type and Size	3.8%	2.2%	6.5%	12.1%	10.4%	5.4%
Area of Lake			2.6%	7.8%	21.27.	10.17
Other	4.8%	2.2%	5.2%	7.8%	25.2%	10.4%
No Restrictions Needed	84.6%	83.5%	61.0%	42.4%	41.4%	50.3%
Don't Know	2.9%	2.2%	14.3%	30.3%	5.4%	8.2%
Question 28 -Average # Wearable Life Jacket	(106) 3 <b>.4</b>	(99) 2.8				

#### RESULTS OF ACCESS SURVEY RESULTS OF RESORT SURVEY RESULTS OF RESIDENT SUR (Administered at Designated (Administered at Selected Public Accesses)

Resorts)

(Administered to Lakeshore Residents)

	LAKE C	ATEGORY	LAKE C	ATEGORY	LAKE C	ATEGORY
DATA ITEM	1	Other	1	Other	1	Other
Question 29 -Average # of Boat Cushions	(104)	(99)	40 40 40 40 40 40 40 40 40 40 40 40 40 4	මා යා මට සහ යා සහ සහ සහ	<b>₩₩₩₩₩₩₩₩₩₩</b> ₩₩₩₩	
·	1.6	1.5				
Question 30 -Average % of Time Life Jackets	Worn					
D. C 4	(104)	(99)				
By Operator	3. <b>5%</b> (73)	7.4%				
Other Adults	4.8%	10.6%				
	(23)	(28)				
Teenagers	2.4%	7.0%				
	(27)	(34)				
Children	40.7%	24.1%				
Question 31 -Boat Safety Equipment	(107)	(100)	(76)	( 65)	(222)	(317)
Fire Extinguisher	38.3%	25.0%	38.27	36.9%	64.9%	36.3%
Lights	80.4%	76.0%	64.5%	63.1%	91.4%	68.4%
Visual Signaler Horn	19.6% 37.4%	10.0% 19.0%	15.8% 39.5%	9.2% 24.6%	23.9% 63.9%	4.7% 30.6%
Life Jackets (Resort & Residents Only)	3/.46	17.VA	96.0%	90.8%	100.0%	94.6%
Boat Cushion (Resort & Residents Only)			84.2%	84.6%	91.4%	83.9%
bode bushion thesay e a hesidenes only?			81167		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	(106)	(100)	( 54)	( 34)	(235)	(317)
Question 32 -Average Boat Replacement Value	\$5,999	\$4,303	<b>\$5,</b> 134	\$3,554	\$5,668	\$3,645
Question 33 -Average Money Spent by Group	(106)	(99)				
Car Expenses Excluded	\$21.30	\$21.07				
	(98)	(97)				
Car Expenses Included @ \$.27/Mile	\$29.67	\$27.89				
Question 34 -Cumulative Income Categories	(85)	(84)	( 52)	( 47)	(188)	(238)
Under \$5,000	4.7%	2.4%	0.0%	4.3%	3.2%	2.9%
Under \$10,000	5.9%	3.6%	1.9%	8.6%	8.5%	6.7%
Under \$15,000	10.6%	13.1%	7.7%	23.5%	22.3%	14.3%
Under \$20,000	18.8% 44.7%	29.8%	19.2% 46.1%	36.3% 55.4%	31.9% 45.2%	30.7% 55.5%
Under \$30,000 Under \$40,000	69.4%	50.0% 76.2%	73.0%	83.1%	63.3%	73.6%
Under \$50,000	88.2%	85.7%	82.6%	89.5%	79.3%	85.4%
Under \$75,000	95.3%	96.4%	98.0%	98.0%	90.5%	93.4%
Question 35 -Drinks on Board	(97)	(95)	( 73)	( 65)	(222)	(314)
Soft Drinks	76.3%	71.6%	50.7%	46.2%	47.8%	42.4%
Coffee, Tea or Water	30.9%	16.8%	19.2%	23.1%	28.8%	15.0%
Other Nonalcoholic	2.1%		6.8%		3.2%	2.2%
Beer	18.6%	38.9%	22.0%	13.8%	21.67	15.3%
Wine	1.0%		1.4%	1.5%	3.6%	1.3%
Other Alcoholic		1.0%	2.7%		4.5%	0.6%
None	11.3%	12.6%	31.5%	44.6%	39.27	47.8%
Don't Know	2.1%	1.0%	2.7%			

E-6

#### RESULTS OF ACCESS SURVEY (Administered at Designated Public Accesses)

RESULTS OF RESORT SURVEY
(Administered at Selected
Resorts)

RESULTS OF RESIDENT SURVEY (Administered to Lakeshore Residents)

	LAKE CA	LAKE CATEGORY		LAKE CATEGORY		LAKE CATEGORY	
DATA ITEM	1	Other	1	Other	1	Other	
Question 36 -Appropriate Beverage for C	)perators						
	(107)	(100)	(71)	( 63)	(233)	(302)	
Nonalcoholic	72.0%	56.0%	71.8%	82.5%	73.0%	80.5%	
Beer, Wine Only	10.3%	24.0%	18.3%	6.3%	14.6%	11.6%	
Any Alcoholic	7.5%	12.0%	9.9%	11.1%	12.4%	7.9%	
No Opinion	10.3%	8.0%					
Alcohol In Moderation - % of							
Beer/Wine/Alcoholic Responses	47.4%	47.2%	55.0%	100.0%	61.9%	57.6%	
Boat Type Used	(101)	(97)	( 76)	( 65)	(235)	(317)	
Fishing	50.5%	78.4%	59.2%	72.3%	42.1%	49.2%	
Runabout	49.5%	21.6%	26.3%	26.2%	41.3%	28.1%	
Sail				1.5%	2.1%	0.9%	
Pontoon			5.3%		12.3%	19.2%	
Canoe			5.3%		0.4%	1.6%	
Other			3.9%		1.7%	0.9%	

# RESULTS OF RESORT SURVEY (Administered at Selected Resorts)

#### RESULTS OF RESIDENT SURVEY (Administered to Lakeshore Residents)

	Li	AKE CATEGORY	LA	LAKE CATEGORY			
•	1	2	i	2			
ARRITIONAL RECORT/DECIRENT		の 不 (c) C) C) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	### ## ## ## ## ## ## ## ## ## ## ## ##	******			
ADDITIONAL RESORT/RESIDENT : Question 1 -Average Number (							
Adestion 1 -Handade Mompet (		( 66)	(237)	(317)			
Fishing	0.32	0.35	0.85	0.97			
Runabout	0.27	0.14	0.61	0.42			
Sail	0.00	0.00	0.13	0.14			
Pontoon	0.04	0.00	0.19				
Canoe	0.01	0.00	0.12	0.24			
Other		0.02	0.08				
Question 14 -Usual Safety o	Boat Numbers	i					
	(74)	( 65)	(236)	(316)			
About Right	91.9%	98.5%	B0.1%	88.3%			
Crowded	6.8%	1.5%	16.5%				
Top Crowded	1.4%		3.4%	1.6%			
Question 21 -% of Boating ac	tivity						
Weekday	(74)	( 63)	(237)	(307)			
·	40.2%	. 47.6%	45.8%	43.7%			
Saturday	(71)	( 55)	(233)	(300)			
	36.6%	32.4%	29.2%	30.6%			
Sunday	(70)	( 55)	(234)	(304)			
	30.9%	27.2%	25.7%	28.97			
Question 23 -Adjust Boating	Activity		,				
	(75)	( 63)	(236)	(314)			
Yes	24.0%	7.9%	26.3%				
Avoid Weekends	31.3%	40.0%	29.0%				
Avoid Holidays	6.3%		11.3%				
Avoid Crowds	43.8%	20.0%	35.5%				
Hard to Fish	6.3%		4.8%	11.5%			
Crowded With Skiiers		40.0%	12.9%	9.8%			
Unsafe	12.5%			1.6%			
Use Less Frequently			3.2%				
Go Out After Crowds			3.2%	3.3%			
Question 29 -Average Distanc							
to Resort	( 77)	( 65)					
1-50 Miles	5.2%	1.5%					
51-100 Miles	19.5%	18.3%					
. 101-150 Miles	39.0%	19.9%					
151-200 Miles	11.7%	21.3%					
201-250 Miles	1.3%	3.0%					
251-500 Miles	10.4%	13.7%					
Over 500 Miles	13.0%	21.5%					

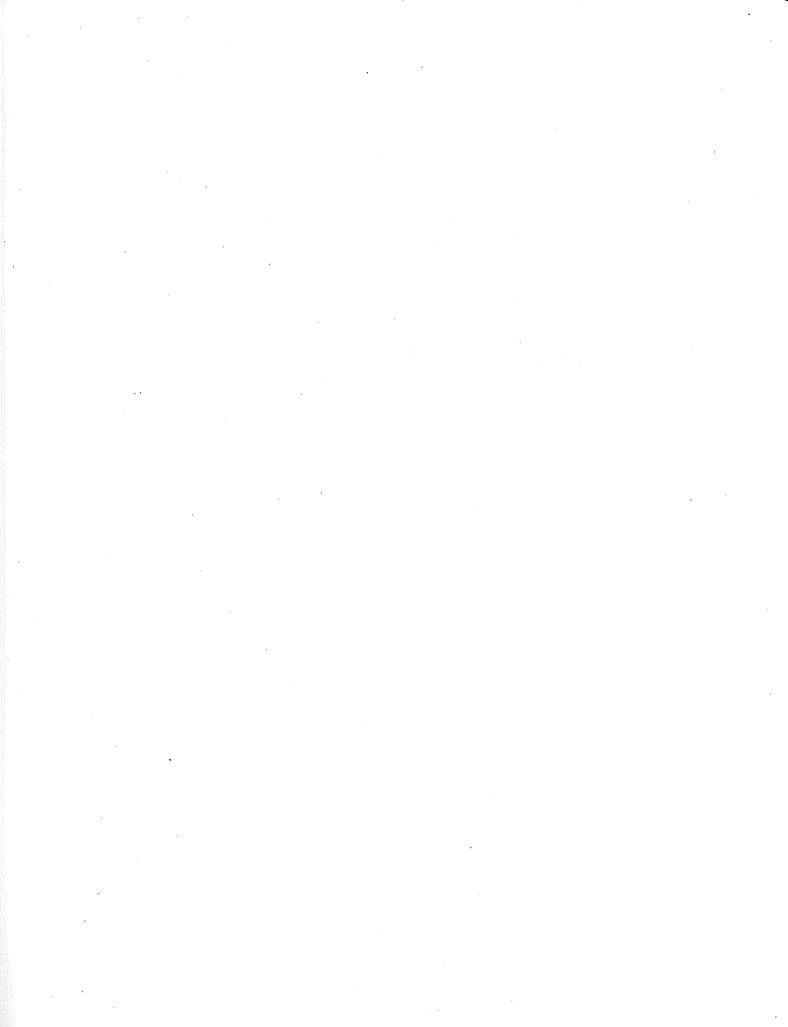
# RESULTS OF RESORT SURVEY (Administered at Selected Resorts)

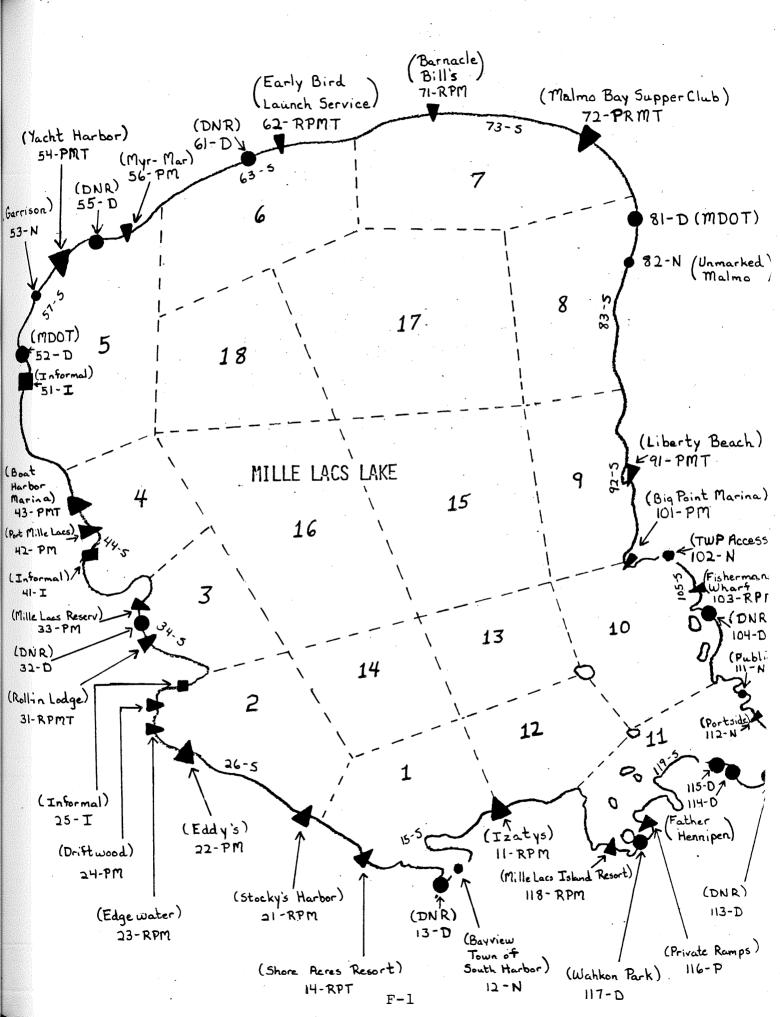
RESULTS OF RESIDENT SURVEY
(Administered to
Lakeshore Residents)

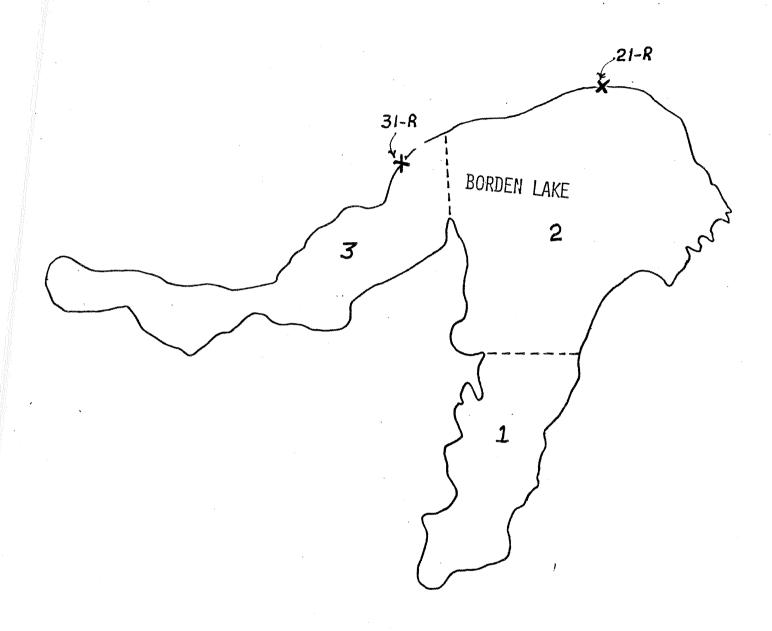
	1	AKE CATEGORY 2	LAF	CE CATEGORY
Question 30 -Average Days at	( 77)	( 65)		
Resort	21.7	6.7		
Question 31 - Where Did You La				
	(77)	( 65)		
Rented	36.4%	49.2%		
Resort Access	42.9%	36.9%	*	
Public Access	6.5%	6.2%		
Other Private Access	14.3%	7.7%		
Question 32 -Number of				
Boating Occasions	( 68)	( 64)		
Average	10.7	19.4		
Median	5	10		

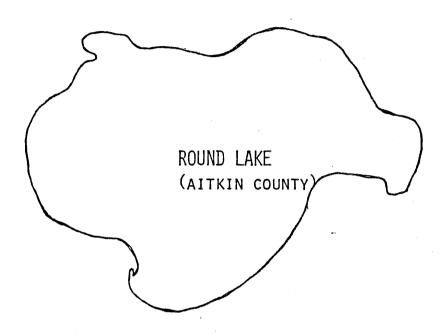
Numbers in parentheses indicate the number of valid responses.

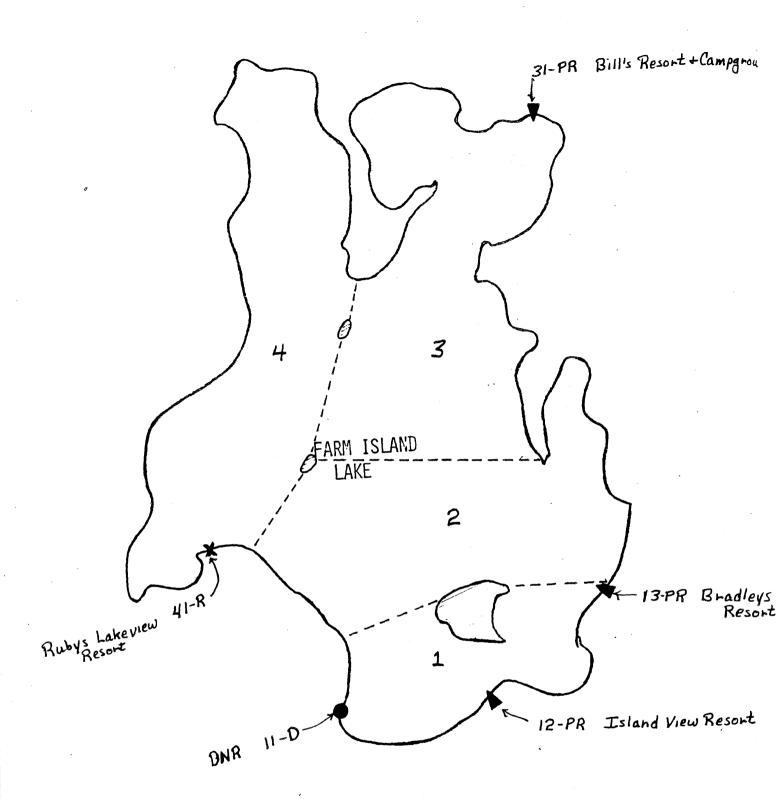
APPENDIX F
MAPS OF LAKES

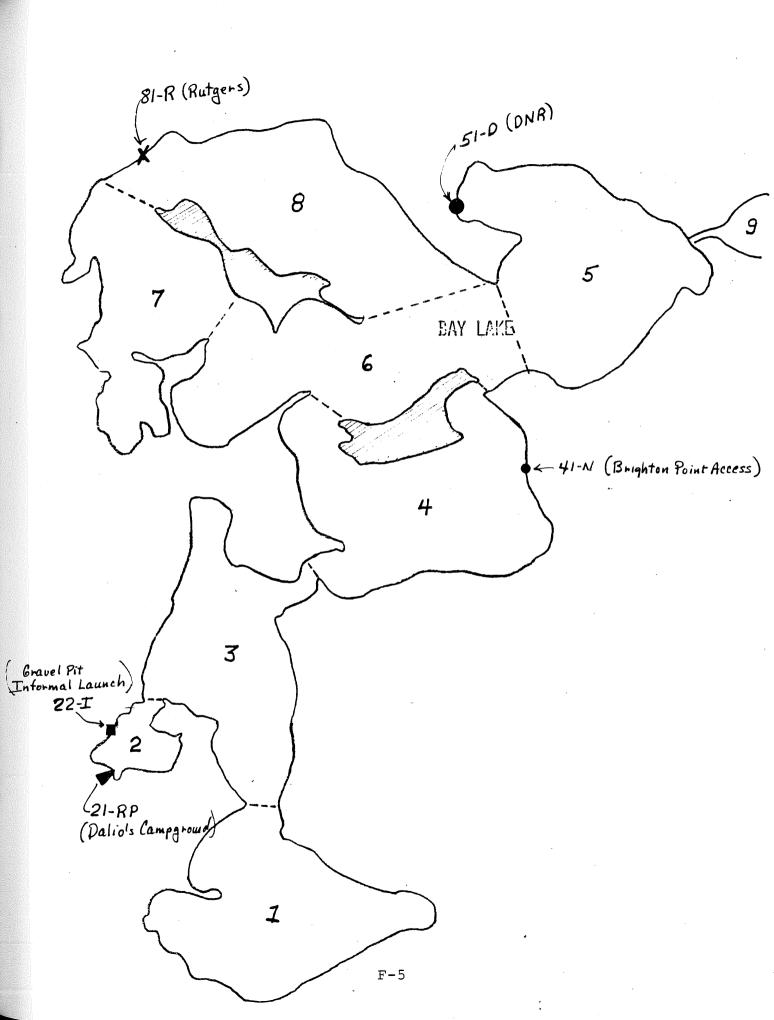


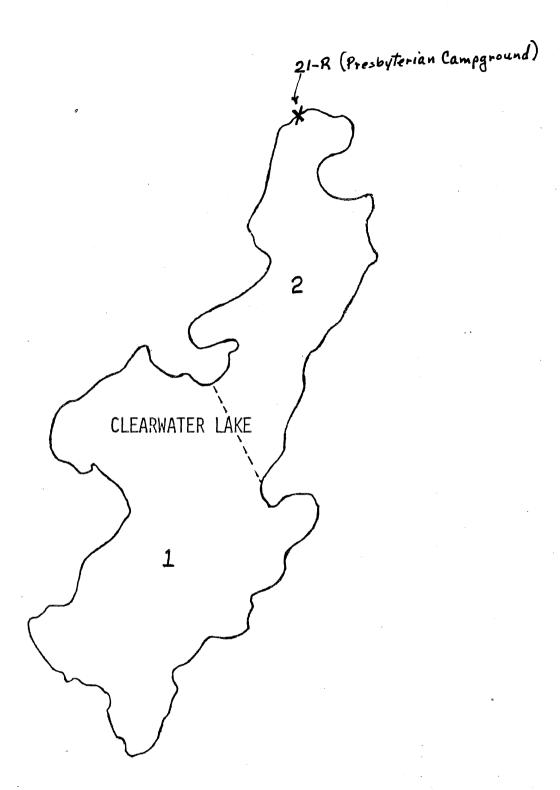


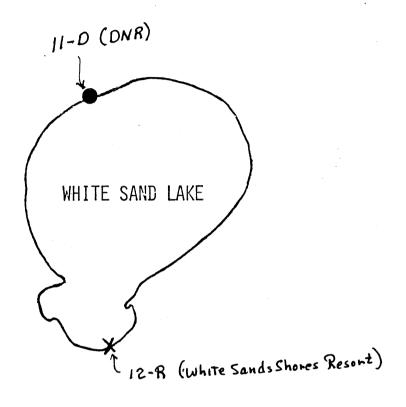


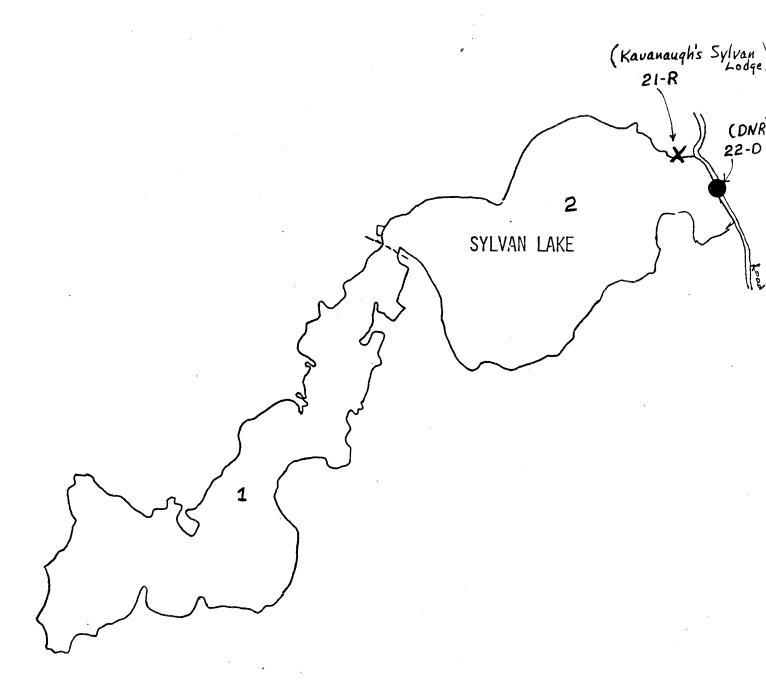


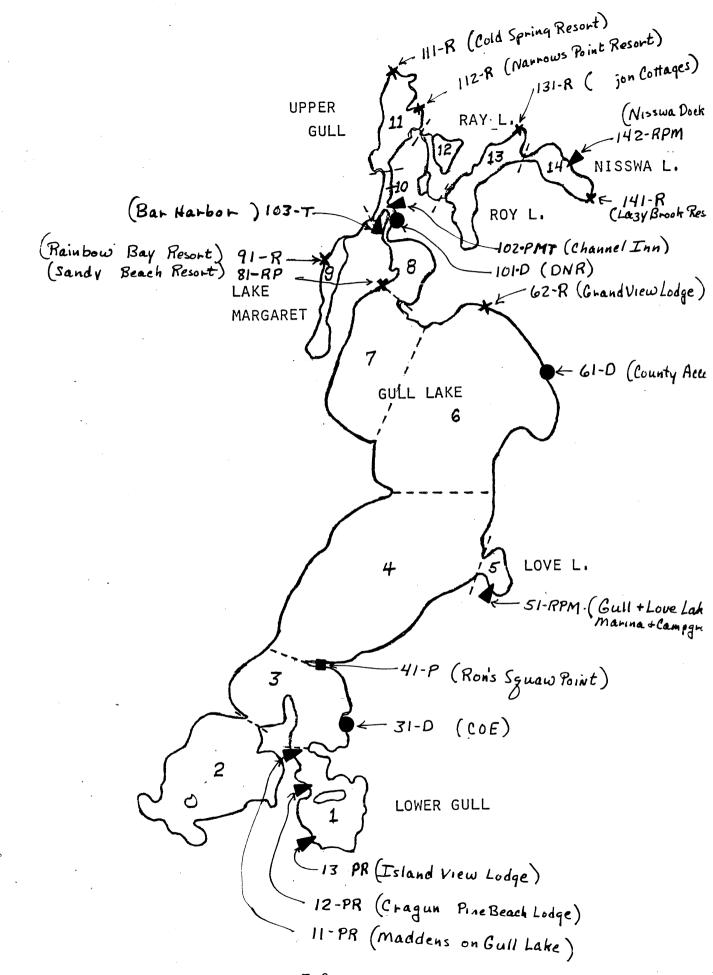


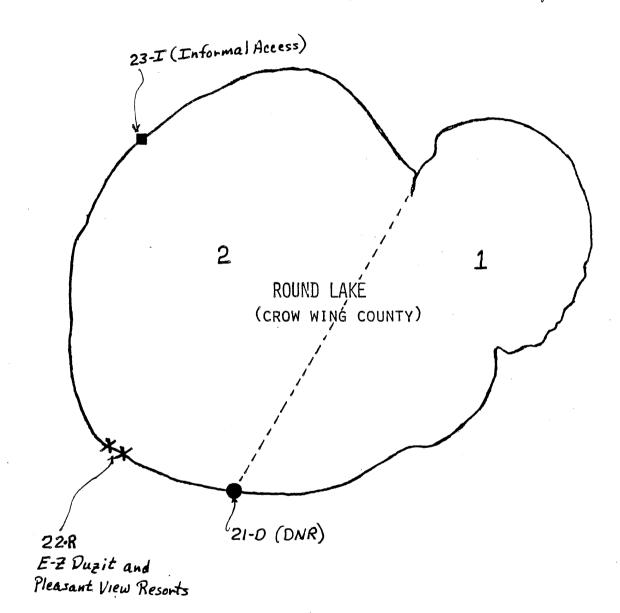


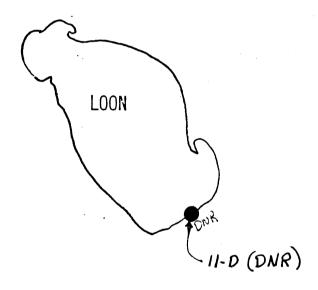


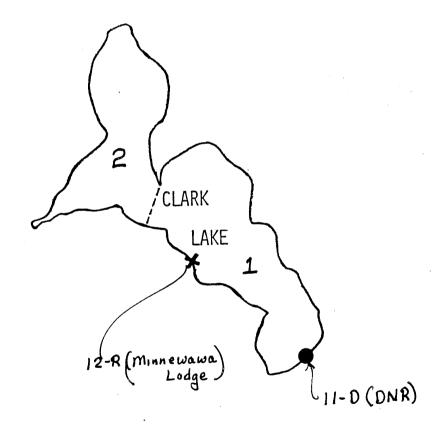


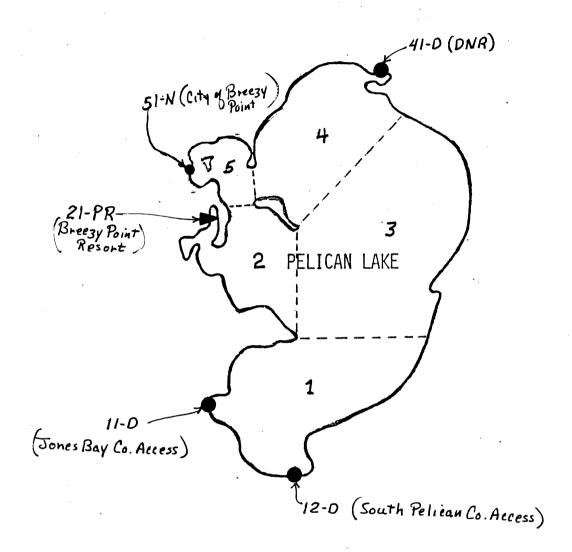


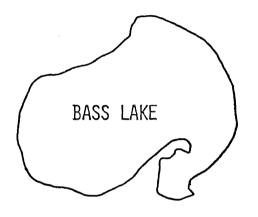


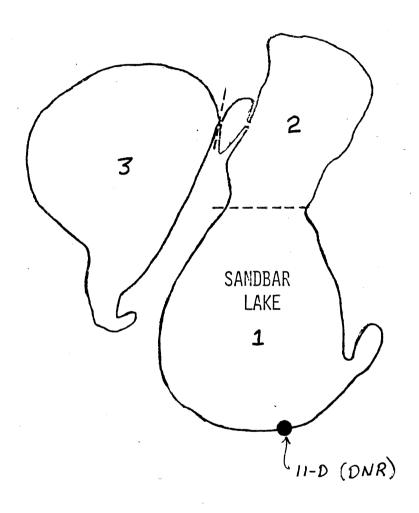


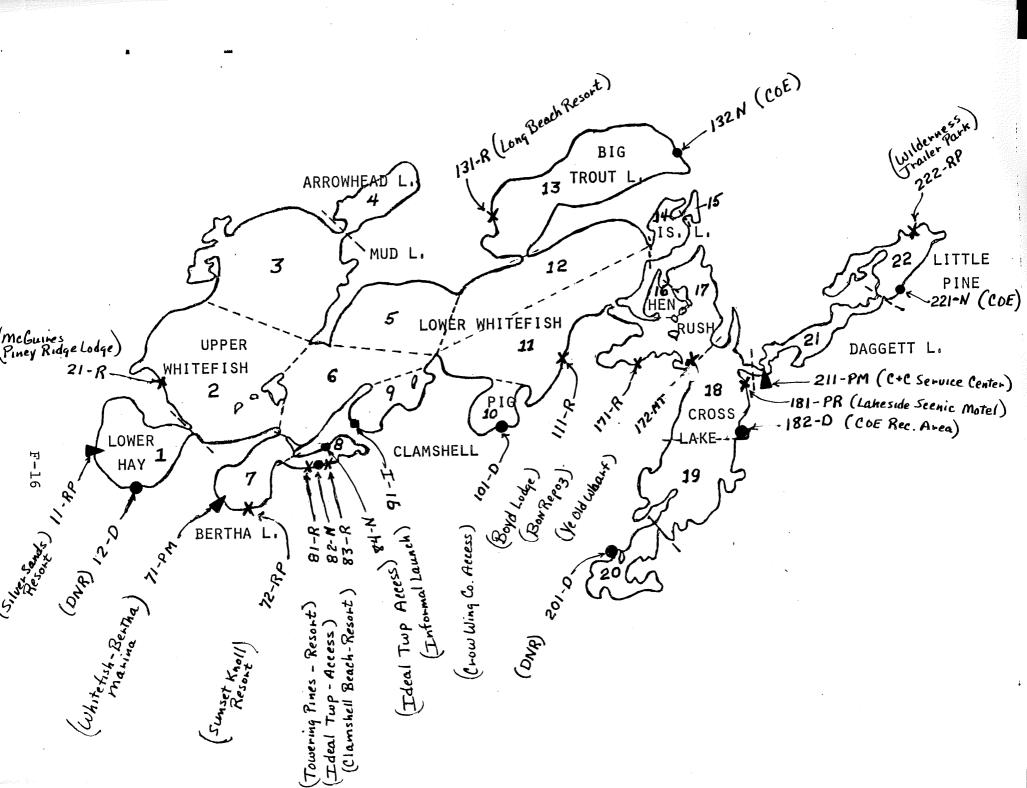


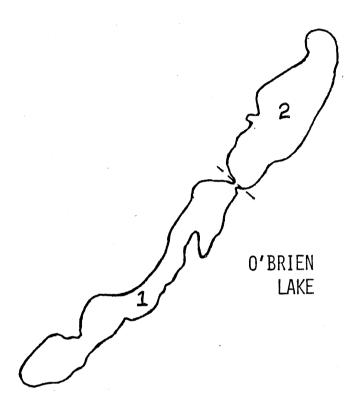


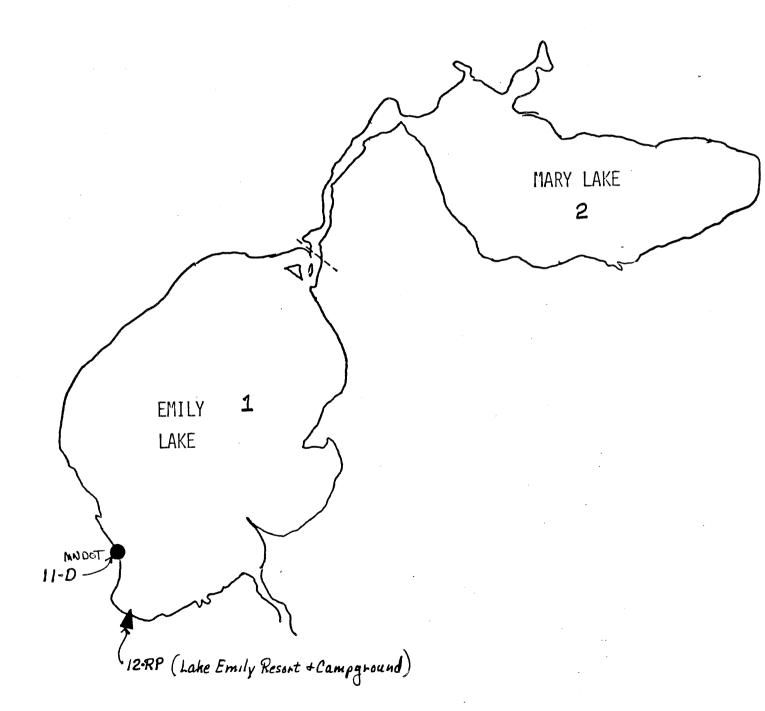


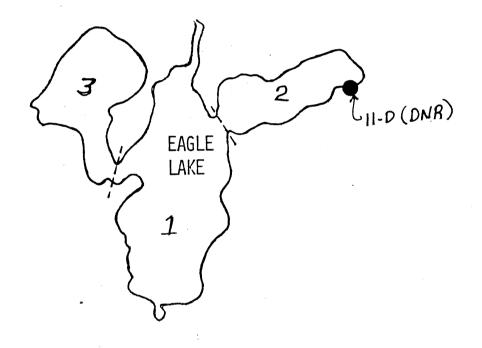


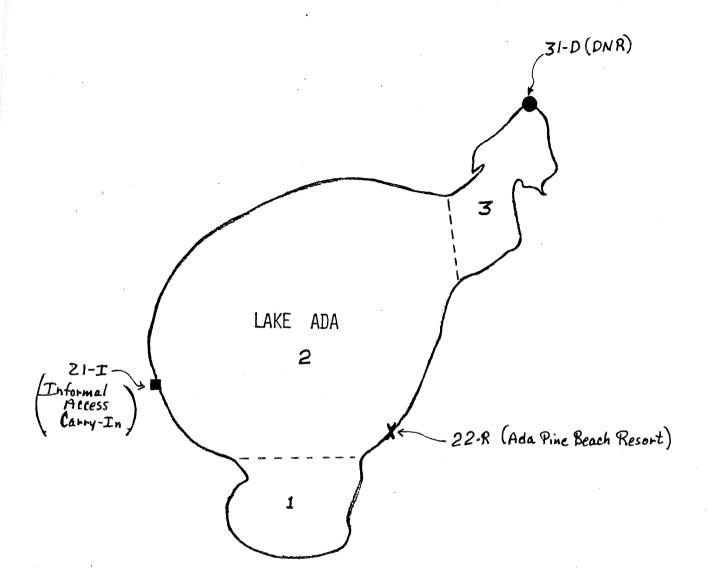


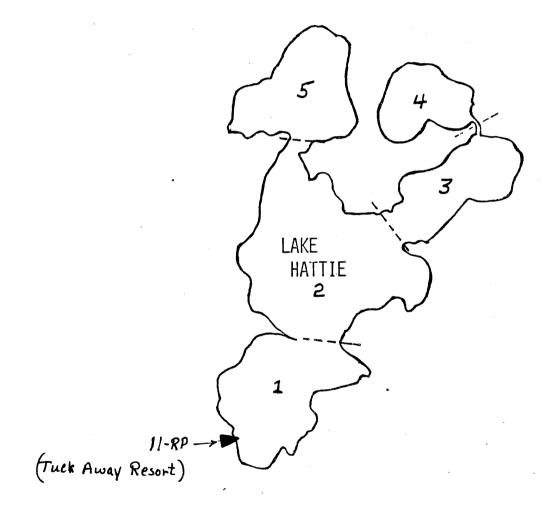


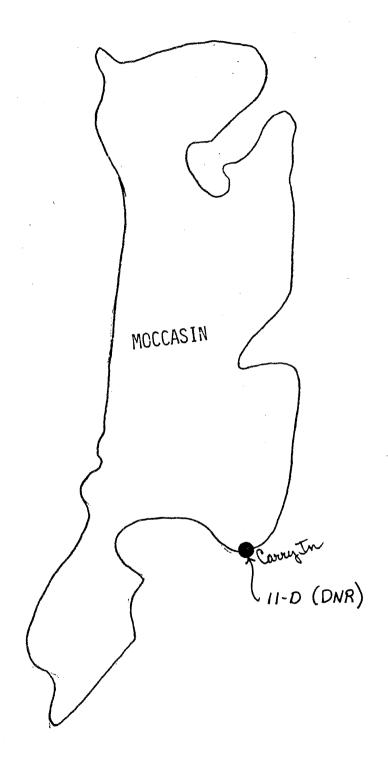


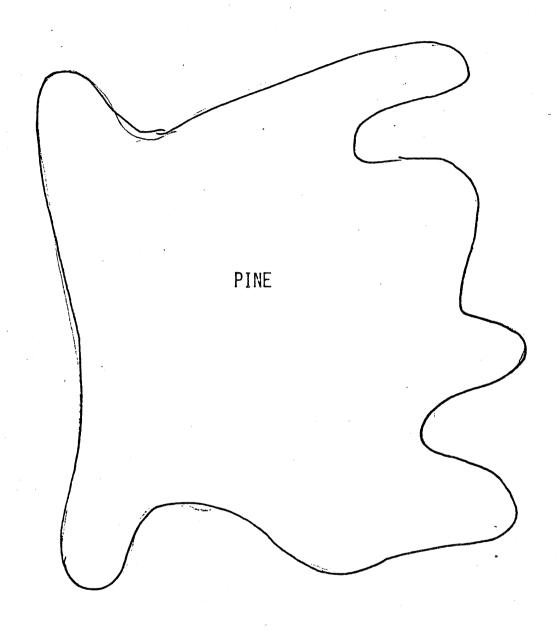


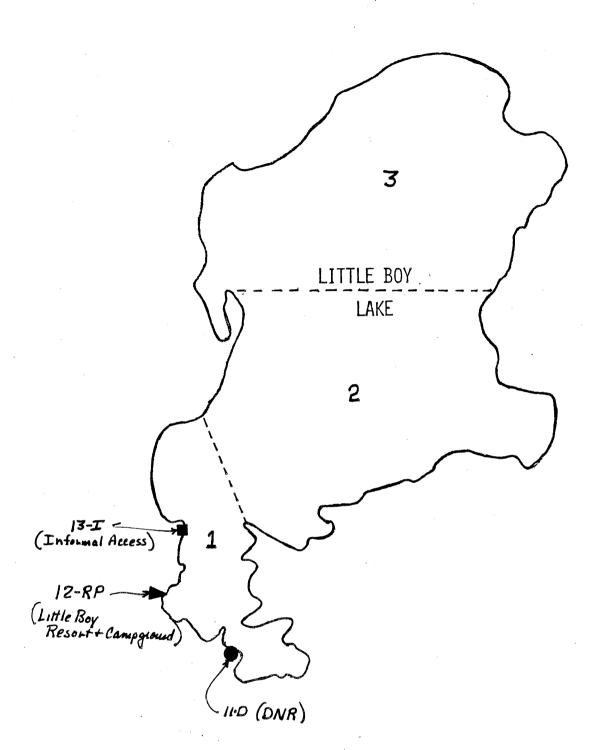


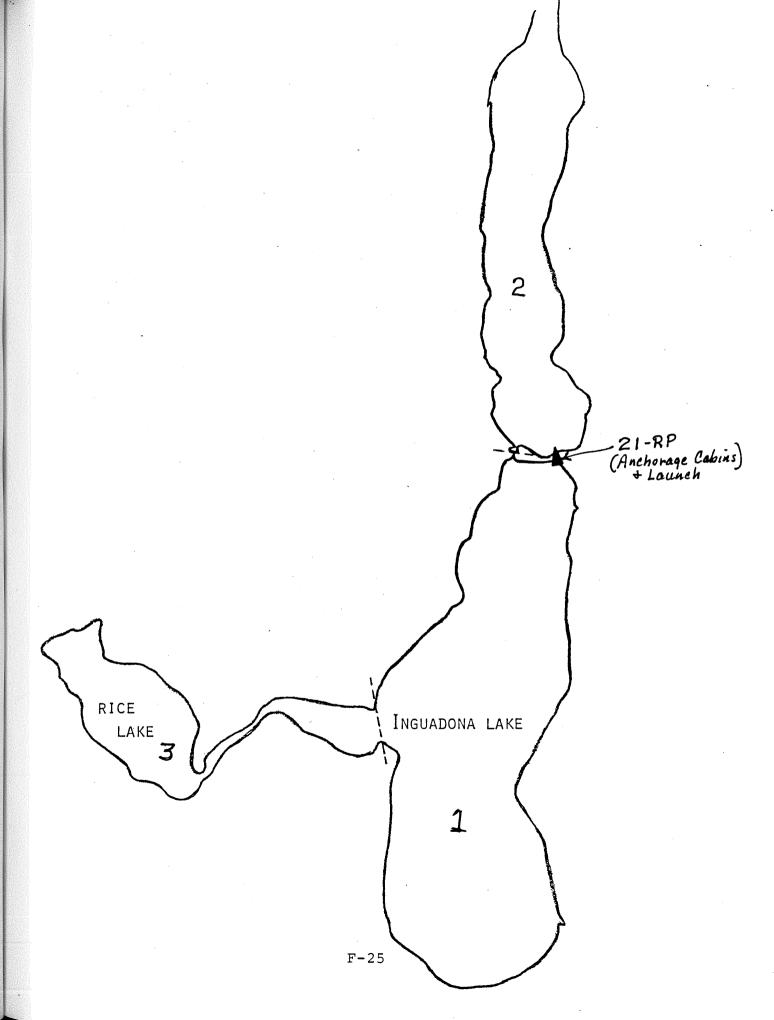


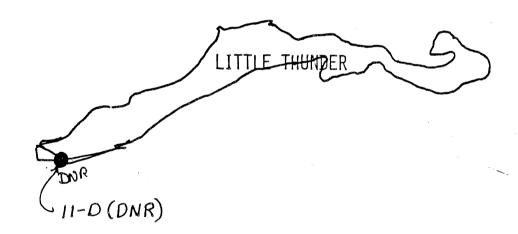


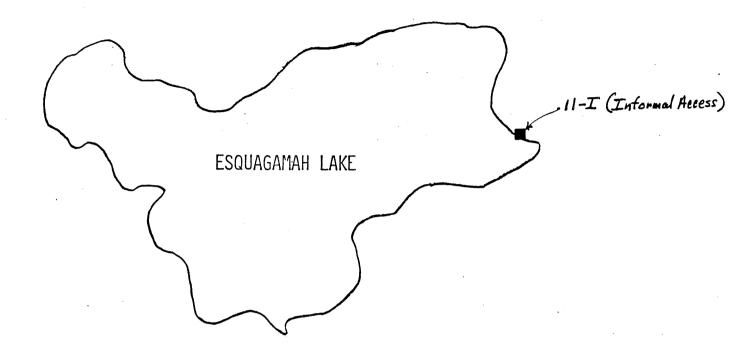


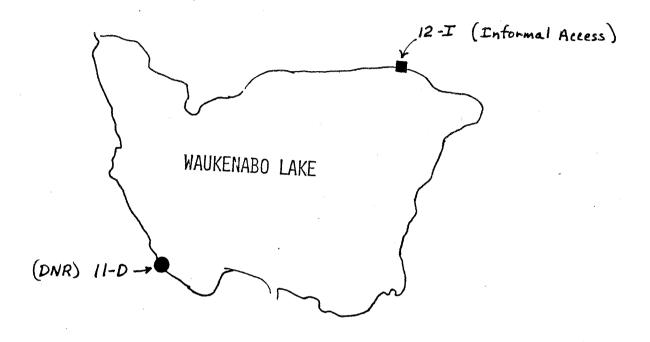


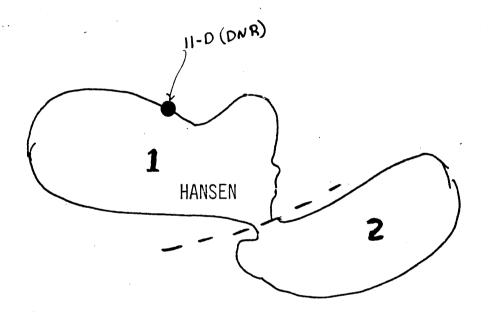


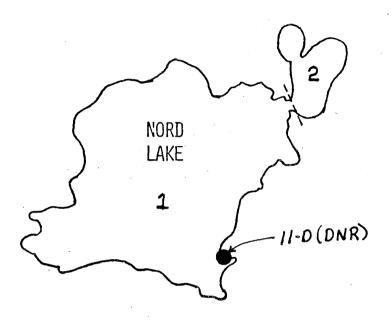


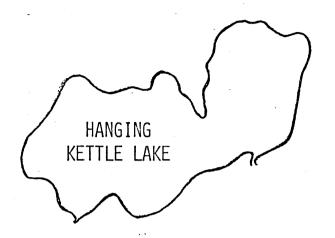




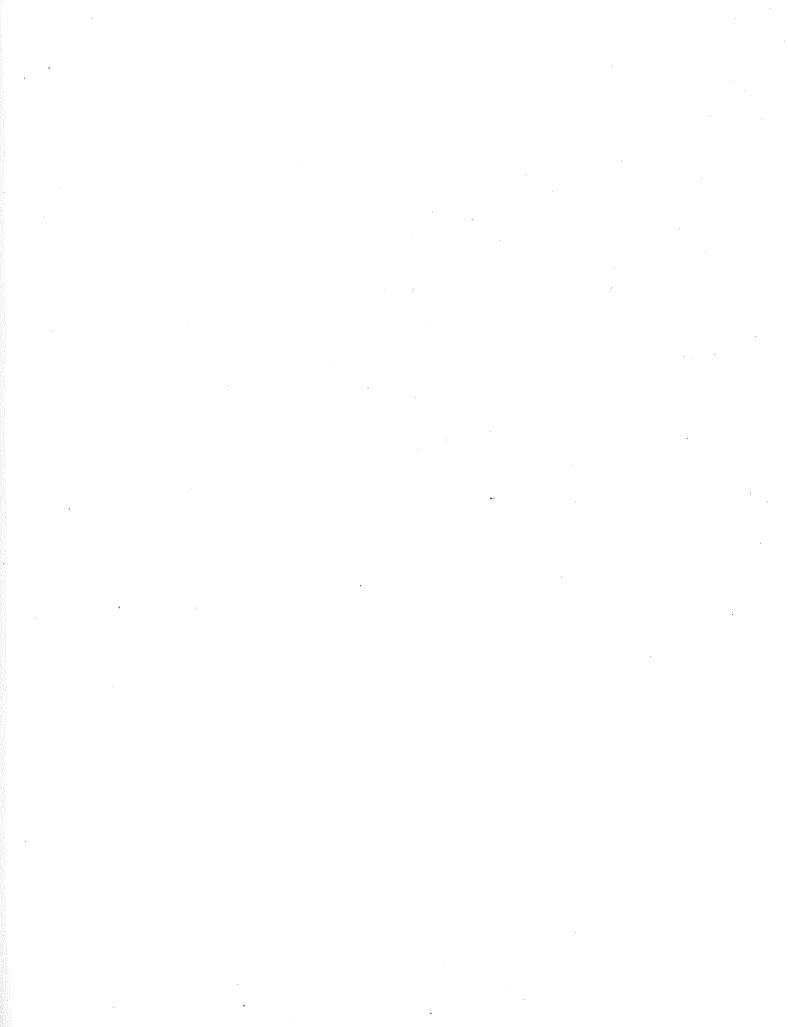








## APPENDIX G AERIAL OVERFLIGHT RECORDING FORM



Nama of I	ake MILL	E LACS						Date:					
								Day:					
Section .			 With Wak				Boats					1	- ; ;
of Lake	Time	ll Other	1	Skiiers	II Bo	ats :	Sailed			Othe			-11
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ACCESS		   Trailers	l Pick		_!! Other	ii acs	ESS Tir	: se	Trail	ers	l Pick Up	l Other	-!!
IZAT	Y'S	<del></del>		: : :		         Sto	cky's	; ; ;			<del></del>       		
Publ	ic Acc.	 	   	     		         Edd		¦ ; ;			 		
DNR	;		; ; ;	!				;				! ! !	
Shore	e Acres			     			ewater	;		- 400 am 400 403 403 400 am am	   	i   	
		! ! !	[¦]			Dri 	ft Inn				} 	 	
Area	1		!			   Are	a 2	: :			 		
	·		; ; ;	!		! ! ! ! ! !		! ! !		;			
				     				` ; ;					



## APPENDIX H

BOAT COUNTS BY DATE, LAKE AND TYPE OF BOATING ACTIVITY



APPENDIX H
Boat Counts by Date, Lake and Type of Boating Activity

	Boats With Wakes					<b>.</b>	.!	1				
Lake/Flight Date			With	<b>.</b>	i	Beached	<b>.</b>	_				Lake
W (0 (00r	i,		Skiiers	Total	;	Boats	Sailed	Canoe	Other	Total	;	Total
DATE: May 18, 1985 -	Satur		۸	8/0	i	4.7		,	4504	4:47	i	408
Mille Lacs	ir •	268	0	268	i	16	0	6	4591	4613 -	i	488
Gull Chain	į	84	0	84	i	22	0	1	531	554	i	63
Whitefish Chain	i	78	1	79		23	0	4	324	351	1	43
Pelican	i	14	0	14	i	0	1	2	117	120		13
TOTAL CATEGORY I		444	1	445	; 	61	1	13	<b>55</b> 63	5638	; 	808
Ada	i	4	0	4	i	0	1	0	8	9	!	1
Bay	!	9	0	9	!	0	0	1	81	82	!	9
Farm Island	i	14	Ō	14	į,	0	0	1	205	206	i	22
Round (Crow Wing)	!	4	0	4	1	. 0	0	0	34	34	1	3
Sandbar	ł	4	0	4	;	0	0	0	12	12	1	1
Sylvan	1	2	0	2	! i	0	0	3	20	23	ł	2
Borden	i i	2	0	2	!	0	0	2	27	29	į	3
Clearwater	!	2	0	2	1	0	0	0	14	14	;	1
Inguadona	!	2	0	2	1	0	0	0	29	29	i i	3
Round (Atkin)	1 1	0	0	0	!	0	- 0	0	2	2	!	
TOTAL CATEBORY II	1	43	. 0	43	!	0	1	7 -	432	440	!	48
 Clark	!	1	1	2	!	0	0	0	3	3	!	
Emily/Mary	;	6	1	7	!	0	0	0	55	55	1	É
Little Boy	!	5	0	5		20	0	0	- 38	58	1	6
Nord	-	0	0	0		3	0	0	5	8	!	
Waukenabo		4	0	4		3	0	0	33	34		4
Esquagamah	1	0	0	0		4	0	0	17	21	!	2
Hattie	:	1	0	1		0	0	0	8	. 8	i	_
Moccasin	!	0	0	0		3	0	0	- 3	6	!	
O'Brien	!	0	Ō	0		0	ō	0	2	2	i	
TOTAL CATEGORY III	!	17	2	19	ľ	33	0	0	164	197	;	21
 Eagle	 !	0	0	0	. <b></b>	0		1	 8	9	 !	
Hansen		Õ	0	Ŏ	!	0	. 0	Ô	3	3	. !	
Little Thunder		0	0	0	!	0	0	0	4	4	!	
Loon	:	0	0	0	!	0	0	0	2	2	!	
White Sand	:	0	0	0	i	0	0	1	12	13		1
Hanging Kettle	•	2	0	2	į	0	0	Ò	9	9	!	1
Bass	!	0	0	0	1	0	0	0	8	8	į	1
Pine	i !	0	0	0	1	0	0	0	4	4	i	
TOTAL CATEGORY IV	i i	2	- 0	2	1	0	0	2	<del>1</del> 50	<del>1</del> 52	i	5
INIUE CHIEDRAL IA	ı	4	U	4		U	U	4	٦v	٦Ľ	1	i i

APPENDIX H (cont.)
Boat Counts by Date, Lake and Type of Boating Activity

Lake/Flight Date	;	Во	ats With W With	lakes	:	Beached	Boats W	ithout Wa	kes		i ,	Lake
cake/filync bate	! !	Other	Skilers	Total	!	Boats	Sailed	Canoe	Other	Total	!	Total
DATE: June 1, 1985	- Saturda		3411613	10(81	•	poats	201150	Canuc	Other	10081	•	10141
Mille Lacs	1	·) 68	Û	68	;	0	0	0	677	677	1	745
Gull Chain		28	0	28	i	10	0	2	112	124	i	152
Whitefish Chain	1	21	0	21	1	10	1	1	59	71	i	92
Pelican	1	1	0	1	1	0	0	0	25	25	1	26
TOTAL CATEBORY I	1	118	0	118	1	20	1	3	873	897	1	1015
Ada		3	0	3		0	()	0	6	6	   	9
Bay	† !	5	0	5	1	0	0	0	34	34	1	39
Farm Island	!	5	0	5	I I	0	0	0	49	49	1	54
Round (Crow Wing)	1	1	0	1	!	0	0	0	3	3	!	4
Sandbar	1	5	0	5	!	0	0	0	6	6	!	11
Sylvan	;	1	. 0	1	;	0	0	0	7	7	ł	8
Borden	1	2	0	2	1.	0	0.	0	13	13	:	15
Clearwater	!	0	0	0	1	0	0	0	8	8	}	8
Inguadona	- ¦	1	0	1	1	0	0	0	8	- 8	1	9
Round (Atkin)	1	0	0	0	;	0	0	0	5	5	i i	5
TOTAL CATEGORY II	-,1	<b>2</b> 3	0	23	ł	. 0	0	0	139	139	ŀ	162
Clark	1	0	0	0	!	0	0	0	0	0	 	0
Emily/Mary	1	0	0	0	!	0	0	0	7	7	;	7
Little Boy	1	1	0	1	i i	0	Ů	0	4	4	1	5
Nord	;	1	0	1	!	0	0	0	10	10	;	11
Waukenabo	1	0	0	0	!	0	0	0	15	15	ļ	15
Esquagamah	!	0	0	0	!	0	0	0	8	8	ì	8
Hattie	i i	0	0	0	! !	0	0	0	4	4	! !	4
Moccasin	!	0	0	0	1	0	0	1	0	1	i	1
O'Brien	4 .	0	0	0	;	0	0	. 0	2	2	l i	2
TOTAL CATEGORY III	!	2	0	2		0	0	1,	50	51	!	53
Eagle	!	0	0	0	!	0	0	0	5	5	1	5
Hansen	1	. 0	0	0	ł	0	0	0	5	5	t	5
Little Thunder	!	1	0	- 1	i	0	0	0	0	0	1	1
Loon	1	2	0	2	. !	0	0	0	. 0	0	I I	2
White Sand	Į.	0	0	0	! i	0	0	0	3	3	!	3
Hanging Kettle	1	0	0	0	;	0	0	0	5	5	1	5
Bass	1	1	0	. 1	1	0	0	0	2	2	}	3
Pine	!	0	0	0	1	0	0	0	0	0	1	0
TOTAL CATEGORY IV	!	4	0 -	4	!	0	0	0	20	20	1	24

## APPENDIX H (cont.) Boat Counts by Date, Lake and Type of Boating Activity

	1	Boa	ts With Wakes				1					
Lake/Flight Date	1		With		1	Beached			811	<b>.</b>	i	Lake
	i -		Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total		Total
DATE: June 19, 1985	- Wedne								471	471		4.00
Mille Lacs	į	23	.0	23	!	0	0	0	176	176	!	199
Gull Chain	!	41	1	42	!	8	5	0	93	106	i	14
Whitefish Chain	i	32	1	33		13	3	0	101	117	i	150
Pelican	1	5	1	6		0	0	0	28	28	i	3/
TOTAL CATEGORY I		101	3	104	!	21	8	0	398	427	i 	53:
Ada	!	0	0	0	1	0	1	0	9	10	1	10
Bay	1	4	1	5	;	1	0	2	12	15	f	2
Farm Island	1	4	0	4	i	0	0	0	18	18	1	2.
Round (Crow Wing)	1	0	0	0	!	0	0	0	8	8	Į į	
Sandbar	;	0	0	0	;	0	0	0	10	10	ļ	1
Sylvan	:	3	0	3	!	0	0	0	8	8	) 1	1
Borden	1	2	0	2	!	0	0	0	4	4	i i	
Clearwater	Į į	0	0	0	!	0	0	0	6	6	. :	
Inguadona	;	1	0	1	;	0.	. 0	0	5	5	;	
Round (Atkin)	!	1	0	1	!	0	. 0	0	1	1	1	
TOTAL CATEGORY II	i i	15	1	16	I i	1	1	2	81	85	1	10
 Clark	!	0	0	0		0	1	0	2	3		
Emily/Mary	1	2	0	2	!	0	0	0	. 7	7	1	
Little Boy	1	0	0	0	i	0	3	0	8	11	;	1
Nord	!	0	0	0	;	0	0	0	3	3	1	
Waukenabo	i	0	0	0	i i	1	0	0	3	4	† i	
Esquagamah	1	0	0	0	1	0	0	0	2	2	!	
Hattie	1	1	0	1	;	0	0	0	7	7	† i	
Moccasin	1	0	0	0	;	2	0	0	1	3	!	
O'Brien	1	0	0	0	!	0	0	0	2	2	!	
TOTAL CATEGORY III	1	. 3	0	3	i	3	4	0	35	42	!	4
 Eagle	·	0	0	0		0	0	0	5	5	-, 	
Hansen	!	0	0	0	;	0	0	0	0	0	1	
Little Thunder	1	0	0	0	!	0	0	0	0	0	!	
_00n	ŀ	0	0	0	!	0	0	ő	3	3	!	
White Sand	1	1. O	0	Ŏ	:	0	0	0	5	5	!	
Hanging Kettle	:	Õ	0	0	!	0	0	0	2	2	!	
Bass		0	0	0	:	0	. 0	0	4	4	!	
Pine	:	0	Ŏ	0	;	0	0	0	2	2	, i	
TOTAL CATEGORY IV	,	0	0	0	!	0	0	0	21	21		2

APPENDIX H (cont.)
Boat Counts by Date, Lake and Type of Boating Activity

Lake/Flight Date	1	Во	ats With W	s With Wakes :		Beached	Boats W	kes		!	Lake	
<b>3</b>	1	Other	Skiiers	Total	1	Boats	Sailed	Canpe	Other	Total	;	Total
DATE: June 29, 1985	- Saturo	day										
Mille Lacs	1_	73	. 0.	73	i i	5	3	0	486	494	1	567
Gull Chain	1	70	4	74	1	32	5	. 3	153	193	1	267
Whitefish Chain	}	86	.5	91	!	42	6	4	131	183	1	274
Pelican	!	15	1	16	!	1	2	0	44	47	!	63
TOTAL CATEGORY I	!	244	10	254	!	80	16	. 7	814	917	!	1171
Ada	!	4	0	4	!	0	0	0	4	4	1	8
Bay	1	12	0	12	;	0	1	2	24	27	i i	39
Farm Island	ŀ	2	0	2	ł	0	0	1	24	25	1	27
Round (Crow Wing)	ļ	4	0	4	1	0	0	0	11	11	!	15
Sandbar	5 3	0	0	0	1	1	1	0	10	12	į	12
Sylvan	1	2	1	3	:	0	1	2	12	15	1 .	18
Borden	ŀ	2	0	2		0	0	0	8	8	Į.	10
Clearwater	!	3	0	3	!	4	0	0	. 4	8	1 .	11
Inguadona	ŀ	3	0	3.	1	0	i	0	17	18	1	21
Round (Atkin)	!	1	0	1	!	0	0	0	4	4	;	5
TOTAL CATEGORY II	!	33	1	34	!	5	4	5	118	132		166
Clark	!	1	0	1	1	0	0	0	1	1	!	2
Emily/Mary	3	4	0	4	1	0	0	0	10	10	!	14
Little Boy	I	3	0	3	!	0	0	0	26	26	i i	29
Nord	1 1	0	0	0	1	0	0	0	2	2	!	2
Waukenabo	1	0	0	0	!	0	0	0	3	3	1	3
Esquagamah	i	0	0	0	! !	0	0	0	9	9	;	. 9
Hattie	i	0	0	0	1	0	2	0	7	9	;	9
Moccasin	!	0	0	0	1	0	0	0	1	1	1	1
O'Brien	ī j	2	0	2	!	Û	0	0	2	2	!	4
TOTAL CATEGORY III	!	10	0	10	· 1.	0	2	0	61	63	!	73
Eagle	!	1	0	1	!	0	0	0	12	12	!	13
Hansen `	1	0	0	0	i	0	Û	0	1	1	!	1
Little Thunder	1	0	0	0	1	0	0	0	1	1	!	1
Loon	1	1	0	1	1	0	0	1.	. 3	. 4	!	5
White Sand	8	2	0	2	1	0	0	0	2	2	1	4
Hanging Kettle	1	1	0	1	I I	0	0	0	8	8	1	9
Bass	I i	2	0	2	1	0	0	0	4	4	1	6
Pine	i	0	0	0	t i	0	0	0	5	5	1 1	5
TOTAL CATEGORY IV	1	7	0	7	i	0	0	1	36	37	1 i	44

APPENDIX H (cont.)
Boat Counts by Date, Lake and Type of Boating Activity

toto/Flinkb Baka	! E	Roats With	Wakes	!	Beached	Boats W	Vithout Wa	ikes		!	Lake
Lake/Flight Date	: Other		Total	1	Boats	Sailed	Canoe	Other	Total	!	Total
DATE: July 13, 1985		Skilers	incar	1	Duals	241160	Lance	ucher	iotai	ı	10.01
Mille Lacs	{ 63	3	66	!	40	8	0	273	321	!	387
Gull Chain	1 81		91	!	39	. 15	6	88	148	:	239
Whitefish Chain	102		110	. !	53	8	14	112	187	!	297
Pelican	17		22		0	3	2	25	30	•	52
TOTAL CATEGORY I	263		287	i	132	34	22	498	686	:	975
Ada	1 6	1	7		0	0	0	8	8	!	15
Bay	1 15	5	20	:	2	2	2	31	37	i	57
Farm Island	: 9	2	11	;	2	1	0	31	34	}	45
Round (Crow Wing)	1 11		12	! !	0	4	2	18	24	;	36
Sandbar	1 5	2	7	;	0	0	0	13	13	!	20
Sylvan	1 5	1	6	1	0	2	1	9	12	;	18
Borden	1 2	1	3	1	0	0	0	13	13	i i	16
Clearwater	1 1	. 0	i	!	0	1	2	5	8	i i	9
Inguadona	1	0	1	1	0	0	0	7	7	1	8
Round (Atkin)	; (	1	1	l i	0	0	0	6	, 6	1 1	7
TOTAL CATEGORY II	! 55	14	69	!	4	10	7	141	162	!	231
Clark	i	0	1	1	0	1	0	2	3	i	4
Emily/Mary	}	-	4	1	0	1	0	9	10	1	14
Little Boy	1	0	1	!	0	4	1	9	14	i	15
Nord	1 1	. 0	1	!	0	0	0	3	3	1	4
Waukenabo	; 0	0.	0	;	0	0	0	i	1	;	1
Esquagamah	. (	) 0	0	!	0	0	0	4	4	1	4
Hattie	1	0	1	ł	0	0	1	Ģ	10	ļ	11
Moccasin	! (	•	0	1	5	0	1	3	9	i i	9
O'Brien	! 3		3	i	0	0	0	2	2	l i	5
TOTAL CATEGORY III	11	. 0	11	!	5	6	3	42	56	!	67
Eagle	1 (		0	1	0	0	0	5	5	1	5
Hansen	; 0		0	1	0	0	0	3	3	1	3
Little Thunder	1 (	) 0	0	2 1	0	0	0	2	2	!	2
Loon	! 0	-	0	!	0	0	0	1	1	1	1
White Sand	; (	0	0	;	0	0	0	0	0	;	0
Hanging Kettle	: 0	0	0	ļ	0	. 2	0	6	8	1	8
Bass	; 2		2	! i	0	0	0	5	5	1	7
Pine	; 0	_	0	!	0	0	0	2	2 .	. !	2
TOTAL CATEGORY IV	1 2	2 0	2		0	2	0	24	26		28

Lake/Flight Date	1	Ва	ats With With	lakes	;	Danshad	Boats	lithout Wa	kes		1	Labor
cake/filght bace	; !	Other	Skiiers	Total	! !	Beached Boats	Sailed	Canoe	Other	Total	;	Lake Total
DATE: July 23, 1985 -	- Tuesday			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	26954	882256	Ganbe	861127		•	. 10142
Mille Lacs	1	8	2	10	!	0	0	0	- 49	49	ļ	59
Gull Chain	1	30	1	31	;	4	5	2	23	34	1	65
Whitefish Chain	1	37	5	42	:	47	10	0	42	99	ŀ	141
Pelican	!	8	0	8	1	0	1	0	11	12	!	20
TOTAL CATEGORY I	i	83	. 8	91	;	51	16	2	125	194	;	285
Ada	!	0	0	0	 :	0	0	()	5	5	 !	5
Bay	i	5	0	5	ľ	3	1	0	19	23	!	28
Farm Island	!	3	0	3	Į.	0	1	0	6	7	!	10
Round (Crow Wing)	!	0	0	0	!	0	0	- 1	6	7	1	7
Sandbar	!	1	0	1	1	0	0	0	4	4	!	\$6 63
Sylvan	1	3	0	3	!	0	0	1	2	3 -	1	6
Borden	i	0	0	0	1	0	0	0	3	3	1	3
Clearwater	i	2	0	2	1	0	0	0	0	0	1	2
Inguadona	1	0	· 1	1	1	0	0	0	3	3	I I	4
Round (Atkin)	i i	0	0	0	!	0	0	0	1	1	i	1
TOTAL CATEGORY II	!	14	1	15	;	3	2	2	49	56	!	71
Clark	!	0	0	0	!	0	0	0	2	2	!	2
Emily/Mary	!	0	0	0	i i	0	0	0	2	2	;	2
Little Boy	i	0	0	0	1	0	0	0	3	3	1	3
Nord	1	0	0	0	1	0	0	0	0	0	1	0
₩aukenabo	1	0	0	0	;	0	0	Û	2	2	;	2
Esquagamah	i	0	0	0	ŀ	0	0	0	3	3	;	
Hattie	1	0	0	- 0	1	0	0	Ů	3	3	1	·6
Moccasin	i	0	. 0	0	!	0	0	0	1	1	1	i i
O'Brien	}	1	0	1	i	0	0	0	1	1	!	4
TOTAL CATEGORY III	!	1	0	1	!	0	0	0	17	17	!	16
Eagle	!	0	0	0	!	0	0	0	1	i	1	,
Hansen	!	. 0	0	0	į	0	0	0	0	0	ŀ	
Little Thunder	1	0	0	0	ì	0	0	0	0	0	1	
Loon	1	0	0	0	!	0	0	0	1	1	; ,	
White Sand	1	0	0	0	!	0	1	0	1	2	;	*
Hanging Kettle	! !	1	0	1	;	0	0	0.	0	0 -	i i	
Bass	!	0	0	0	1	0	0	0	. 0	0	9 i	
Pine	i	0	0	0	1	0	0	0	1	1	i	
TOTAL CATEGORY IV	1	1	0	1	}	0	1	0	4	5	;	

	1	Во	ats With W	lakes	;	Beached	Boats W	lithout Wa	kes		1	Lake
Lake/Flight Date	i	Other	With Skilers	Total	i !	Beached Boats	Sailed	Canoe	Other	Total	!	Total
DATE: July 28, 1985	- Sunday		JAILELS	10001	•	DOGES	201150	Canoe	GCHE	10041		10042
Mille Lacs	!	69	. 8	77	!	5	19	4	161	189	!	265
Gull Chain	;	116	19	135	1	70	35	1	98	204	!	339
Whitefish Chain		89	14	103	i	47	11	3	50	111	!	214
Pelican		18	5	23	1	5	7	0	27	39	!	62
TOTAL CATEGORY I	ŀ	292	46	338	;	127	72	_ 8	336	543	1	881
Ada	<u>{</u> :	2	i	3	ŀ	0	1	0	3	4		7
Bay	!	26	4	30	1	0	- 6	0	24	30	1	60
Farm Island	!	12	4	16	!	0	4	1 -	16	21	!	<b>3</b> 7
Round (Crow Wing)	1 i	3	1	4	i I	0	1	0	17	18	1	22
Sandbar	Ī	4	2	6	!	0	2	1	7	10	i	16
Sylvan	! !	4	1	5	1 }	Ō	0	1	11	12	1	17
Borden	!	0	0	0	i	0	0	1	3	4	;	4
Clearwater	!	1	0	1	† i	0	0	0	3	3	!	4
Inguadona	!	1	0	1	;	0	0	0	1	1	!	2
Round (Atkin)	1.	1	2	3	ł	0	0	0	5	5	1	8
TOTAL CATEGORY II	!	54	15	69	ŀ	0	14	4	90	108	!	177
Clark	!	i	1	2	ļ.	0	0	0	2	2	!	4
Emily/Mary	I i	1	0	1	:	0	0	0	0	0	!	1
Little Boy	1	2	0	2	1	0	.0	0	4	4	1	6
Nord	!	0	0	.0	ŀ	0	0	0	1	1	!	1
Waukenabo	!	0	0	0	!	0	0	0	2	2	:	2
Esquagamah	1	0	0	0	;	0	0	0	4	4	!	4
Hattie	!	5	0	5	!	0	0	0	1	1	į	6
Moccasin	i i	1	0	1	i	. 0	0	0	2	2	1	3
O'Brien	!	2	1	3	1	0	0	0	1	1	1	4
TOTAL CATEGORY III	!	12	2	14	!	0	0	0	17	17	!	31
Eagle	1	1	0	1	!	. 0	0	0	0	0	!	1
Hansen	!	0	0	0	!	0	0	0	0	0	!	0
Little Thunder	1	2	0	2	}	0	0	0	0	0	1	2
Loon	;	0	0	0	1	0	0	0	1	1		î
White Sand	!	0	1	1	1	0	0	1	3	4	!	5
Hanging Kettle	1	0	0	0	1	0	0	0	2	2	1	2
Bass	1	0	0	0	!	0	0	0	0	0	!	0
Pine	1	. 1	0	1	1 1	0	0	1	2	3	}	ā.
TOTAL CATEGORY IV	1	4	1	5	1	0	0	2	8	10	!	15

Lake/Flight Date	l Bo	ats With W	lakes	† 1 1	Beached	Boats W	lithout Wa	kes		;	Lake
- · · · · · · · · · · · · · · · · · · ·	l Other	Skiiers	Total .	. 1	Boats	Sailed	Canoe	Other	Total	1	Total
DATE: August 11, 1985	- Sunday										
Mille Lacs	45	1	. 46	1	4	. 3	3	245	255	!	301
Gull Chain	! 96	13	109	1	20	25	1	65	111	1	220
Whitefish Chain	115	19	134	!	52	29	9	90	180	i i	314
Pelican	18	4	22	!	4	17	1	27	49	1	71
TOTAL CATEGORY I	274	37	311	I	80	74	14	427	595	i	906
Ada	1 6	.1	7	ļ.	0	2	Ů	4	6	 ¦	13
Bay	1 22	7	. 29	!	0	5	1	23	. 29	;	58
Farm Island	; 5	2	7	1 .	0	2	0	38	40	!	47
Round (Crow Wing)	1 4	0	4	!	0	1	0	11	12	ł	16
Sandbar	1 4	1	5	!	0	1	0	7	8	ř i	13
Sylvan	1 7	1	8	1	0	2	1	7	10	1	18
Borden	! 3	0	3	1	0	0	0	5	5	1	8
Clearwater	1 0	0	0	1	0	0	1	5	6	ļ	- 6
Inquadona	. 2	1	3	!	0	1	0	2	. 3	!	6
Round (Atkin)	1	0	1	!	0	0	0	3	3	1	- , 4
TOTAL CATEGORY II	: 54	13	67	!	0	14	3	105	122	i	189
Clark	· 0	0	0		0	0	0	4	4	!	4
Emily/Mary	1 2	0	2	Į	.0	0	0	4	4	!	6
Little Boy	: 2	0	2	:	0	1	0	22	23	!	25
Nord	1 0	0	0	ł	0	0	0	6	6	1	6
Waukenabo	1 2	0	2	1	0	0	0	2	2	1	4
Esquagamah	1 0	0	0	;	0	0	1	5	6	;	Ь
Hattie	1 2	0	2	!	0	0	0	9	9	!	11
Moccasin	1 1	0	1	1	0	0	0	1	1	I I	.2
O'Brien	! 0	0	0	!	0	0	0	1	1	;	1
TOTAL CATEGORY III	1 9	0	9	1	0	1	1	54	56	}	65
Eagle	! 0	0	0	 ¦	()	0	0	8	8	!	8
Hansen	! 0	0	0	1	0	0	0	3	3	!	3
Little Thunder	! 3	0	3	1	0	0	0	. 3	3	1	6
Loon	1 0	1	1	<b>!</b>	0	0	1	0	1	1	2
White Sand	1 2	1	3	;	0	1	0	1	2	1	5
Hanging Kettle	1 2	0	2	1	. 0	0	0	1	1	!	3
Bass	1	1	2	!	0	0	0	0	0	!	2
Pine	1 0	0	0	1	0	0	0	0	0	1	0
TOTAL CATEGORY IV	1 8	3	11	}	Ō	1	1	16	18	i i	29

/Ti: . L	! Bo	ats With With	<b>l</b> akes	! !	Doobbad	Boats V	Vithout Wa	kes		ŀ	Lake
Lake/Flight Date	i Othor	With Skilers	Total	i 1	Beached Boats	Sailed	Canoe	Other	Total	1	Lake Total
DATE: August 15, 1985	-	2111612	inrai		DUALS	241150	Lanue	other	10141	1	10141
Mille Lacs	1 15	0	15	!	2	2	0	69	73	!	88
Gull Chain	; 56	21	77	. !	9		3	71	89	•	166
Whitefish Chain	1 72	13	85		34	11	10	82	137	į	222
Pelican	19	8	27		6	4	1	32	43	:	70
TOTAL CATEGORY I	162	42	204	ì	51	23	14	254	342	:	546
Ada	; 0	2	2	<u> </u>	0	().	0	8	8	!	10
Bay	11	3	14	!	0	0	4	14	18	I	33
Farm Island	1	0	1	!	0	0	0	15	15	i i	18
Round (Crow Wing)	; 5	2	7	!	0	i	0	13	14	1	2:
Sandbar	1	0	1	1	0	0	1	5	6	! .	-
Sylvan	: 4	2	6	!	0	1	0	7	8	!	1
Borden	1 0	0	0	;	0	0	0	4	. 4	!	1
Clearwater	; 0	0	0	!	0	0	0	3	3	1	,
Inguadona	1 2	0	2	!	0	0	0	10	10	i i	1:
Round (Atkin)	1	. 0	1	;	0	0	0	5	5	i	
TOTAL CATEGORY II	1 25	9	34	!	0	2	5	84	91	1	125
Clark	1 2	0	2		0	()	1	5	6	!	{
Emily/Mary	1	0	1	I I	0	0	0	5	5	!	1
Little Boy	1 2	0	2	1	0	0	0	15	15	1	17
Nord	! 0	0	0	1	0	0	0	2	2	1	
Waukenabo	1 0	0	0	1	0	0	0	0	0	! !	(
Esquagamah	1	0	1	ł	0	0	0	4	4	!	!
Hattie	1 2	0	2	1	0	0	0	3	3	i	5
Moccasin	1 0	0	~ 0	1	0	0	0	2	2	1	
O'Brien	1 - 0	1	1	;	0	0	0	1	1	!	:
TOTAL CATEGORY III	: 8	1	9	!	0	0	1	37	38	!	47
Eagle	1 2	0	2	!	0	. 0	0	5	5	1	
Hansen	! 0	0	0	ļ	0	0	0	1.	1	:	1
Little Thunder	1 0	0	0	1	0	0	1	1	2	!	:
Loon	1 0	0	0	!	0	0	1	4	- 5	!	5
White Sand	1	0	1	i i	0	0	0	4	4	!	1
Hanging Kettle	1 0	0	0	1	0	0	0	1	1	!	
Bass	1 0	0	0	1	0	0	0	0	0	!	
Pine	1 0	0	0	1	0	0	0	2	2	i	:
TOTAL CATEGORY IV	1 3	0	3	!	0	0	2	18	20	;	23

1-1-/21:-11 8-1-	i Bo	ats With I	Nakes	1	<b>5</b> 1	Boats W	lithout Wa	ikes		;	
Lake/Flight Date	i 	With	T_11	i	Beached	B-24-3	C	O.L	T_1 - 1	i	Lake
DATE: August 25, 1985	Other	Skiiers	Total	i	Boats	Sailed	Canoe	Other	Total	i	Total
Mille Lacs	- Sunday I 46	Ō	46	,		5	4	258	265		744
Gull Chain	1 89	10	40 99	1	1 15	9	1 4	238 79	107	1	311
	136	14		i	31	8	. 3	77 64	107	i	206
Whitefish Chain			150	i		8 7	. 3			i	256
Pelican	26	4	30	į	0			19	26	i	56
TOTAL CATEGORY I	ł 297	28	325	i 	47	29	8	420	504		829
Ada	1 2	1	3	1	0	1	0	7	8	i	11
Bay	1 27	3	30	;	6	5	2	13	26	!	26
Farm Island	1 7	3	10	!	0	. 1	3	20	24	1	34
Round (Crow Wing)	! 2	0	2	1	0	0	0	11	11	. j	13
Sandbar	4	1	5	!	0	0	0	6	6	<b>!</b>	11
Sylvan	! 3	0	. 3	1	. 0	0	2	11	13	!	16
Borden	1	0	1	t i	0	0	0	9	9	1	10
Clearwater	1 . 0	0	0	1	0	0	0	6	6	1	6
Inguadona	! 3	0	3	i	0	0	0	13	13	1	16
Round (Atkin)	1 2	0	2	1	0	0	0	7	7	1	9
TOTAL CATEGORY II	51	. 8	59	1	6	7	7	103	123	1	182
Clark	· 0	0	0	 !	0	0	·0	2	2	!	2
Emily/Mary	1 3	0	3	1	0	0	0	8	8.	!	11
Little Boy	! 1	0	1		0	0	0	8	8	1	9
Nord	. 1	0	1	į	. 0	0	0	1	" <b>i</b>	i	2
Waukenabo	! 0	0	0	!	0	0	0	2	2	•	2
Esquagamah	1 0	0	0		0	0	0	4	4	;	4
Hattie	: 0	0	0		Ŏ	0	Ö	1	i	•	1
Moccasin	1 0	0	0		0	0	0	Ô	0	!	0
O'Brien	1 0	1	1		0	0	0	0	0	,	1
TOTAL CATEGORY III	1 5	1	6	;	0	0	0	26	26	; ;	32
Eagle	1 4	0		 !	0	0	0	4	resesses		5
	1 1		1	i !					4	i,	J .
Hansen	1	0	1	i •	0	0	. 0	0	0	i	1
Little Thunder	1 0	0	0	i .	0	0	0	1	1	i	1
Loon	1 1	0	1	:	0	0	0	0	0	i	1
White Sand	1 0	0	0	1	0	1	0	4	5	1	5
Hanging Kettle	1 0	0	0	!	0	0	0	2	2	1	2
Bass	1 0	0	0	į	0	0	0	2	2	1	2
Pine	1 0	0	Ō	;	Û	0	Û	1	1	1	i
TOTAL CATEGORY IV	1 3	0	3	 	0	1	0	14	15	!	18

#### APPENDIX I

BOAT COUNT BY AREA OF LAKE, DATE AND TYPE OF BOATING ACTIVITY



DATE: May 18, 1985 - Saturday

	!	- Bo	ats With W	iakes	!		Boats	Without Wa	kes		!	Lake	Percent
LAKE/AREA	1		With		ļ	Beached					1 1	Area	of
Mille Lacs	1	Other	Skiiers	Total	1	Boats	Sailed	Cance	Other	Total	i	Total	Total
1	† ;	14	0	14	1	0	0	2	161	163	1	177	3.6%
2	I i	27	. 0	27	1	0	0	0	411	411	1	438	9.0%
3	1	18	0	18	!	0	0	0	124	124	1	142	2.9%
4	ŀ	12	0	12	1	0	0	0	307	307	i i	319	6.5%
5	- 1	23	: 0	23	;	11	0	0	543	554	!	577	11.8%
6	!	25	0	25	!	5	0	0	353	358	1	383	7.8%
7	1	36	0	` 36	1	0	0	1	538	539	1	575	11.8%
- 8	-	30	0	30	1	0	0	0	536	<b>5</b> 36	1	566	11.6%
9	!	16	0	16	!	0	0	0	347	347	1	363	7.4%
10	1	12	0	12	ı i	Ō	0	2	254	256	! !	268	5.5%
11	<u> </u>	17	0	17	1	0	0	1	404	405	!	422	8.6%
12	1	20	0	20	!	0	0	0	362	362	1	382	7.8%
13	!	3	0	3	1	0	0	0	8	8	1	11	0.2%
14	!	1	0		!	0	0	. 0	0	- 0	1	1	.0%
15	1	2	0	2	1	0	0	0	99	99	!	101	2.1%
16	1	0	0	0	; ì	0	0	0	37	37	1	37	0.8%
17	1	5	0	5	1	0	0	0	41	41	1	46	0.9%
18	-	7	0	7	1	0	0	0	66	66	1	73	1.5%
TOTAL	!	268	0	268	. !	16	0	6	4591	4613	1	4881	100.0%

DATE: June 1, 1985 - Saturday

	1	Во	ats With	Wakes	1		Boats (	without Wa	ikes		1	Lake	Percent
LAKE/AREA	1		With		1	Beached					1	Area	of
Mille Lacs	!	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
1	1	9	0	9	1	0	0	0	62	62	1	71	9.5%
2	! !	5	0	5	!	0	0	0	74	74	1	79	10.6%
3	!	6	0	6	1	0	0	0	65	65	1	71	9.5%
4	1	4	0	4	!	0	0	. 0	40	40	!	44	5.9%
5	!	8	0	8	1	0	0	0	104	104	1	112	15.0%
6	:	4	0	4	1	0	0	0	39	39	1	43	5.8%
7	1	11	0	11	!	0	0	0	74	74	1	85	11.4%
8	1	8	0	8	1	0	0	0	43	43	1	51	6.8%
9	!	3	0	3	1	0	0	0	34	34	!	37	5.0%
10	Į į	2	Û	2	1	0	0	0	21	21	1	23	3.1%
11	!	5	0	5	1	0	0	0	102	102	I I	107	14.4%
12	;	0	0	0	1	0	0	0	13	13	1	13	1.7%
13	ł	1	0	1	1	0	0	0	3	3	1	4	0.5%
14	1 1	0	Ô	0	1	0	0	0	0	0_	1	0	0.0%
15	1	0	0	0	!	0	0	0	1	1	!	1_	0.1%
16	i i	0	0	0	1	0	0	0	0	0	1	0	0.0%
17	ì	2	0	2	l i	0	0	0	2_	2	1	4	0.5%
18	1	0	0	0	1	0	0	0	0	0	1	0	0.0%
TOTAL	!	68	0	68	1	0	0	0	677	677	1	745	100.0%

DATE: June 19, 1985 - Wednesday

	1	Bo	ats With W	akes	1		Boats W	lithout Wa	kes		1	Lake	Percent
LAKE/AREA	!		With		!	Beached					1	Area	of
Mille Lacs	1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	!	Total	Total
<u>1</u>	!	1	0	1	1	0	0	0	26	26	1	27	13.6%
2	ţ	2	. 0	2	!	0	0	. 0	27	27	]	29	14.6%
3	- 1	0	0	0	1	0	0	0	4	4	1	4	2.0%
4	1	2	0	2	i	0	0	0	2	2	1	4	2.0%
5	<u> </u>	3	. 0	. 3	1	0	. 0	0	9	9	1	12	6.0%
6	!	0	0	0	!	00	00	0	6	6	1	6	3.0%
7	1	3	0	3	!	0	0	0	17	17	!	20	10.1%
8	1	0	0	0	!	0	0	0	11	11	i	11	5.5%
9	!	0	0	0	1	0	0	0	. 4	4	1	4	2.0%
10	ļ	1	0	<u> </u>	1	0	0	0	12	12	1	13	6.5%
11	1 1	6	0	6	1.	0	0	0	26	26	1	32	16.1%
12	1	4	0	4	i	0	0	0	19	19.	i i	23	11.6%
13	1	0	. 0	0	!	0	0	0	3	3	!	3	1.5%
14		0	0	0	1	0	00	0	. 0	0	!	0	0.0%
<u>15</u>	1	0	0	0	1	. 0	0	0	7	7	1	7	3.5%
16	!	0	0	0	!	0	0	0	3	3	1:	3	1.5%
17	1	1	0	1	1	0	0	0	0	0	1	1	0.5%
18	1	0	0	0	1	0	0	0	0	0	1	0	0.0%
TOTAL	!	23	0	23	! !	0	. 0	0	176	176	!	199	100.0%

DATE: June 29, 1985 - Saturday

	1	Вс	ats With W	iakes	!		Boats W	ithout Wa	kes		!	Lake	Percent
LAKE/AREA	1		With		!	Beached					1	Area	o f
Mille Lacs	!	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total	1	Total	Total
1	1	5	0 .	5	!	0	0	0	45	45	1	50	8.8%
2	l i	3	0	3	!	0	0	0	42	42.	1	45	7.9%
3	- !	4	0	4	I	0	0	0	7	7	!	11	1.9%
4	I I	5	0	55_	!	0	0	0	31	31	1	36	6.3%
5	- !	6	0	6	1	1	0	0	17	18	1	24	4.2%
6	1	3	0	3	!	0	0	0	35	35	) 1	38	6.7%
7	!	3	. 0	3	!	0	1	0	24	25	1	28	4.9%
8	I J	11_	0	1	1	0	0	0	13	13	!	14	2.5%
9	1	5	0	5	1	0	0	0	14	14	1	19	3.4%
10	ļ i	1	0	1	ľ	0	2	0	43	45	1	46	8.1%
11	!	16	0	16	1	4	0	0	71	75	1	91	16.0%
12	1	1	0	1	1	0	. 0	0	13 -	13	!	. 14	2.5%
13	1	1	0	1	!	0	0	0	7	7	!	8	1.4%
14		2	0	. 2	1	0	0	0	20	20	1	22	3.9%
<u>15                                    </u>	! !	7	0	7	!	0	0	0	16	16	!	23	4.1%
16	1	4	0	4	1	0	0	0	29	29	i	33	5.8%
17	!	3	0	3	l i	0	0	0	43	43	!	46	8.1%
18	1	3	0	3	1	0	0	0	16	16	1	19	3.4%
TOTAL	!	73	0	73	1	5	3	0	486	494	!	567	100.0%

DATE: July 13, 1985 - Saturday

	- <u>L</u>	Bo	ats With	Wakes	1		Boats	Without Wa	akes		!	Lake	Percent
LAKE/AREA	!	-	With		!	Beached					1	Area	of
Mille Lacs	!	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total	!	Total	Total
1	- 1	- 5	0	5	1	1	. 2	- 0	19	22	1	27	7.0%
2	!	4	1	5	1	0	0	0	23	23	1	28	7.2%
3	!	4	0	4	1	0	0	0	2	2	1	6	1.6%
4	1	3	111	4	!	2	1	0	16	19	1	23	5.9%
5	1.	3	0	3	!	0	3	0	15	18	1	21	5.4%
6	!	4	0	4	1	0	0	0	3	3	1	7	1.8%
7	- [	2	0	2	1	0	1	0	5	6	1	8	2.1%
8	!	i	0	1	1	0	0	0.	3	3	!	4	1.0%
9	1	1	1	- 2	) I	. 0	0	0	19	19	1	21	5.4%
10	1	7	0	7	1	1	0	0	34	35	1	42	10.9%
11	!	17	0	17	!	36	0	0	80	116	!	133	34.4%
12	1	3	0	3	l I	0	0	0	14	14	1	17	4.4%
13	!	2	0	2	1	0	0	0	3	3	1	5	1.3%
14 .	1 1	0	0	0.	I I	0	0	0	1	1	1	1	0.3%
15	1	2	0	2	1	0	0	0	15	15	1	17.	4.4%
16	1	2	0	2	1	0	1	0	20	21	1	23	5.9%
17	1	3	0	3	1	0	0	00	0	0	!	3	0.8%
18	1	0	0	0	1	0	0	0	1	1	1	1	0.3%
TOTAL	ł	63	3	66		40	8	0	273	321	1	387	100.0%

DATE: July 23, 1985 - Tuesday

	!	Во	ats With	dakes	1		Boats	Without Wa	ikes		1	Lake	Percent
LAKE/AREA	i		With		1	Beached					1	Area	o f
Mille Lacs	1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
1	!	1	1	2	!	0	0	0	9	9	1	11	18.6%
2	!	0	0	0	1	0	0	0	7	7	1	7	11.9%
3	!	1	0	1	1	0	0	0	4	4	1	55	8.5%
. 4	- !	0	0	0	! i	0	0	0	3	3	1	. 3	5.1%
5	!	0	0	0	1	0	0	0	2	2	i i	2	3.4%
6	!	0	0	0	!	0	0	0	0	0	1 i	0	0.0%
7	!	0	0	0	1	0	0	0	1	1	1_	1_	1.7%
8	I 1	0	0	0	i	0	0	0	3	3	1	3	5.1%
9	!	0	00	0	!	0	0	0	0	0	1	0	0.0%
10	1 .	0	0	0	1	0	0	0	4	4	! !	4	6.8%
11	!	5	00	5	!	0	0	0	7	7	!	12	20.3%
12	!	1	<u>1</u>	2	!	0	0	0	2	2	!	4	6.8%
13	!	0	0	0	1	0	0	0	2	2	!	2	3.4%
14	1	0	0	0	i	0	0	0	0	0	] 	0	0.0%
15	1	0	0	0	!	0	0	0	3	3	1 i	3	5.1%
16	1	0	0	0	!	0	0	0	0	0	i i	0	0.0%
17	1	0	0	0	!	0	0	0	0	0	1	0	0.0%
18	ļ.	0	0	0	1	00	0	0	2	2	1	2	3.4%
TOTAL		8	2	10	1 1	00	0	0_	49	49	i i	59	100.0%

DATE: July 28, 1985 - Sunday

	1	Во	ats With	lakes	!		Boats	Without Wa	ikes		ì	Lake	Percent
LAKE/AREA	-	-	With		1	Beached					!	Area	of
Mille Lacs	i	Other	Skiiers	Total	ŀ	Boats	Sailed	Canoe	Other	Total	1	Total	Total
1	-	3	2	5	1	0	2	3	14	19	!	24	9.0%
2	1	0	. 0	0	!	0	0	0	14	14	1	14	5.3%
3	i i	2	0	2	1	0	1	0	9	10	1	12	4.5%
4	1	4	1	5	1	0	1	0	8	9	. 1	14	5.3%
5 -	-	4	3	7	1	3	4	0	12	- 19	1	26	9.8%
6	-	7	1	8	1	0	3	0	8	11	1	19	7.1%
7	ľ	4	0	4	!	2	1	0	3_	6	1	10	3.8%
8	1	3	0	3	1	0	0	0	1	1	1	4	1.5%
9	1	7	0	7	!	. 0	0	1	15	16	1 3	23	8.6%
10	1	. 7	1	8	1	0	0	0	16	16	1	24	9.0%
11	1	13	0	13	!	0	6	0	13	19	ľ	32	12.0%
12	1	4	- 0	4	!	0	. 0	0	15	15	1	19	7.1%
13	!	1	0	1	1	0	0	0	. 3	3	!	4	1.5%
14	;	1	0	1	i	0	0	0	1	1	1	2	0.8%
15	1	3	0	3	1	0	0	0	12	12	1	15	5.6%
16	1	1	0	1	1	0	0	. 0	12	12	1	13	4.9%
17	1	1	0	1	!	0	0	0	3	3	1	4	1.5%
18	1	4	0	4	1	0	1	0	2	3	1	7	2.6%
TOTAL	1	69	8	77	1	5	19	44_	161	189	-	266	100.0%

DATE: August 11, 1985 - Sunday

!		Boa	ats With W	lakes	1		Boats	Without Wa	ikes		!	Lake	Percent
LAKE/AREA			With		-	Beached					I I	Area	of
Mille Lacs	Oth	er	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total	!	Total	Total
1		0	00	. 0	!	0	0	. 2	27	29	1	29	9.6%
2		2	0	2	!	0	0	0	14	14	1	16	5.3%
3	l	3	0 -	3	i i	0	0	0	3	3	1	6	2.0%
4 :		5	0	5	1	0	1	0	2	3	!	. 8	2.7%
5		3	0	3	!	. 0	0	0	4	4	!	7	2.3%
6 :		1	. 0	1	!	0	0	0	4	4	1	5	1.7%
7		5	0	5	!	0	0	0	33	33	1	38	. 12.6%
8 :		4	0	4	1	0	0	0	17	17	1	21	7.0%
9		4	1	5	1	0	0	0	37	37	1	42	14.0%
10		4	0	4	1	0	0	0	15	15	!	19	6.3%
11	L	12	0	12	!	4	2	1	38	45	1	57	18.9%
12		1	0	1	-	0	0	0	41	41 .	ľ	42	14.0%
13		0	0	0	!	0	0	0	1	1_	!	1	0.3%
14		0	0	0	1	0	0	0	1	1	!	1	0.3%
15		1	0	1	!	0	0	0	- 6	6	!	7	2.3%
16 ;		0	0	0	1	0	0	0	2	2	1	2	0.7%
17		0	0	0	1	0	0	0	0	0	1	0	0.0%
18 :		0	0	0	1	0	0	0	0	0	1	0	0.07
TOTAL		45	1	46	!	4	3	3	245	255	1	301	100.0%

DATE:	August	15.	1985 -	Thursday

	. !	_ Bo	ats With W	lakes	1		Boats (	lithout Wa	kes		1	Lake	Percent
LAKE/AREA	!		With		1	Beached					!	Area	of
Mille Lacs	!	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
1	! !	4	0	4	1	0	1	0	8	9	1	13	4.3%
2	- 1	2	0	2	!	0	0	0	8	8	-	10	3.3%
3	!	2	0	2	1	0	0	. 0	0	0	1	2	0.7%
. 4	¦	0	0	0	I I	0	0	0	3	3	t 1	3	3.4%
5	1	1	0	1	ŀ	0	0	0	8	8	1	9	10.2%
6	1 1	0	0	0	1	0	0	0	3	3	1	3	3.4%
7	!	0	00	0	1	0	0_	0	5	5	1	5	5.7%
8	!	0	0	0	1	0	0	0	3	3	1	3	3.4%
9	! !	1	0	1	i	0	0	0	3	. 3	1	<u> </u>	4.5%
10	1	. 0	0	0	ł	0	0	0	6	6	1	6	6.8%
11	1	3	0	. 3	!	2	0	0	8	10	1	13	14.8%
12	1	1	. 0	1	!	00	1	0	7	8	1	9	10.2%
13	!	0	0	0	!	0	0	0	4	4	1	4	4.5%
14	!	. 1	0	1	1	0	0	0	1	1	!	2	2.3%
15	!	0	0	0	!	0	0	0	0	0	1	0	0.0%
16	1	0	0	0	I I	0	0	0	0	0	† 1	0	0.0%
17	;	0	0	0	!	0	00	0	2	2	1	2	2.3%
18	1	0	0	0	! !	0	0	0	0	0	1	0	0.0%
TOTAL	!	15	0	15	!	2	2	0	69	73	1	88	100.0%

DATE: August 25, 1985 - Sunday

	!	Во	ats With	Wakes	1		Boats	Without Wa	kes		!	Lake	Percent
LAKE/AREA	1		With		1	Beached					1	Area	of
Mille Lacs	1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
1	!	55	0	5	1	0	0	0	25	25	1	30	9.6%
2	1	4	0	4	1	0	0	0	17	17	!	21	6.8%
3	1	· 0	0	0	!	0	0	0	1	1	!	1	0.3%
4	1	2	0	2	!	0	1	0	7	8	!	10	3.2%
5	-	1	0	1	1	0	3	0	32	35	!	36	11.6%
6	- !	4	. 0	4	!	0	0	0	17	17	1	21	6.8%
7	-	5_	0	5	!	0	0	0	34	34	!	39	12.5%
8	!	3	0	3	;	0	0	0	27	27	!	30	9.6%
9	}	1	0	1	1	. 0	0	0	15	15	1	16	5.1%
10	1	4	0	4	1	0	0	0	30	30	1	34	10.9%
11	!	13	0	13	!	1	0	1	32	34	! 	47	15.1%
12	i i	. 3	0	3.	1	0	0	0	5	5	1	8	2.6%
13	!	1	0	1	1	0	0	0	2	2	1	3	1.0%
14	i I	0	0	0	!	0	0	0	0	00	!	0	0.0%
15	!	0	0	0	:	0	0	0	10	10	!	10	3.2%
16	1	0	0	0	î Î	0	0	0	3	3	i i	3	1.0%
17	) 	0	0	0 ·	1	0	0	0	0	0	1	0	0.0%
18	1	0	0	0	1	0	1	0	1	2	!	2	0.6%
TOTAL	1	46	0	46	1	1	5	1	258	265	!	311	100.0%

DATE: May 18, 1985 - Saturday

1121 1127 12		<u> </u>	Bo	ats With W	lakes	;		Boats	Without W	akes		!	Lake	Percent
AKE/AREA		!		With		;	Beached					1	Area	of
⊥ll Chain		! i	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	!	Total	Total
Lower Gull	1	!	4	0	4	1	0	0	0	2	2	1	6	0.9%
Gull	2	!	1	0	1	1	0	0	1	41	42	1	43	6.7%
Gull	3	!	14	0	14	!	0	0	0	41	41	-	55	8.6%
Gull	4	1	19	0	19	- 1	0	0	0	98	98	1	117	18.3%
Love	5	- !	3	0	3	1	0	0	0	15	15	1	18	2.8%
Sul I	Ь	!	14	0	14	1	0	. 0	0	129	129	1	143	22:4%
Gull	7	1	13	0	13	1	0	0	0	109	109	!	122	19.1%
Gul l	8	;	3	0	3	j j	0	0	0	15	15	1	18	2.8%
Margaret.	9	!	1	0	i	- 1	0	0	0	26	26	1	27	4.2%
Upper Gull	10	1	1	0	1	!	22	0	0	0	22	!	23	3.6%
Upper Gull	11	1	8	0	8	1	0	0	0	21	21	!	29	4.5%
Ray	12	1	2	0	2	1	0	0	0	11	11	1	13	2.0%
Roy	13	!	1	0	1	!	0	0	0	10	10	1	11	1.7%
Nisswa	14	!	0	0	0	!	. 0	0	0	13	13	!	13	2.0%
	<u>Total</u>	!	84	0	84	!	22	Ó	1	531	554	1	638	100.0%

DATE: June 01, 1985 - Saturday

		!	Вс	ats With	Wakes	1.		Boats 1	Without Wa	akes	!	Lake	Percent
AKE/AREA		!		With		!	Beached					Area	ρf
ıll Chain		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total !	Total	Total
Lower Gull	1	1	5	0	- 5	9	0	0	0	14	14	19	12.57
Gull	2	1	1	0	1	!	0	0	0	10	10 1	11	7.2%
Gul 1	3	-	4	0	· 4	!	3	0	0	5	8 !	12	7.97
Gul l	4	!	6	0	6	] 1	Q.	0	0	17	17	23	15.17
Love	5	1	0	0	0	1	0	0	0_	11	11. 1	11	7.27
Gul l	6	1	1	0	1	!	Û	0	1	5	6 1	7	4.6%
Gull	7	!	3	0	3	1	0	0	0	13	13	16	10.5%
Gul l	8	1	2	0	2	1	0	0	0	11	11 1	13	8.6%
Margaret	9	1	1	0	1	1	0	0	1	6	7 1	8	5.3%
Upper Gull	10	l j	3	0	3	† I	7	0	0	4	11	14	9.2%
Upper Gull	11	1	0	0	0	1	0	0	0	3	3	3	2.0%
Ray	12	!	1	0	1	!	0	0	0	8	8 !	9	5.9%
Roy	13	!	0	0	0	- 1	0	0	0	3	3 !	3	2.0%
Nisswa	14	1	1	0	1	1	0	0	0	2	2 1	3	2.0%
	Total	I I	28	0	28	1	10	0	2	112	124	152	100.07

DATE: June 19, 1985 - Wednesday

		1	Bo	ats With N	iakes	1		Boats N	(ithout Wa	akes		!	Lake	Percent
AKE/AREA		!		With		!	Beached					-	Area	of
ıll Chain		i i	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
Lower Gull	1	1	4	1	5	!	0	3	0	7	10		15	10.17
Gul l	2	I I	2,	0	2	I i	0	0	0	8	8	!	10	6.8%
Gull	3	1	7	0	7	1	0	0	0	11	11	1	18	12.2%
6ul 1	4	!	10	0	10	1	0	1	0	25	26	1	36	24.3%
Love	5	1	0	0	0	!	0	0	0	6	6	-	6	4.1%
Gull	6	!	1	0	1	1	0	1	0	8	9	1	10	6.8%
Gull	7	!	2	0	2	1	0	0	0	3	3	1	5	3.4%
Gull	. 8	!	6	0	6	1	0	0	0	6	6	1	12	8.17
Margaret	9	1	0	0	0	1	0	0	0	4	4	1	4	2.7%
Upper Gull	10	!	2	0	2	1	8	0	0	1	9	i	11	7.4%
Upper Gull	11	1	1	0	1	1	0	0	0	3	3	!	4	2.7%
Ray	12	) 	5	0	5	!	0	0	0	4	4	1	9	6.1%
Roy	13	1	1	0	i	1	0	Û	0_	4	4	l	5	3.4%
Nisswa	14	ì	0	0	0	I	0	0	0	3	3	1	3	2.0%
	Total	l i	41	1	42	-	8	5	0	93	106	!	148	100.0%

DATE: June 29, 1985 - Saturday

		1	Во	ats With	dakes	!		Boats	∉ithout Wa	akes		1	Lake	Percent
AKE/AREA		1		With		1	Beached	_				!	Area	ρf
ull Chain		!	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total	1	Total	Total
Lower Gull	1	1	3	0	3	1	1	Ū	1	8	10	1	13	4.9%
Gull	2	!	6	0	6	i	0	0	0	16	16	1	22	8.2%
Gull	3	1_	8	0	8	1	0	0	0	13	13	1	21	7.9%
Gul l	4	i i	16	1	17	!	0	0	0	20	20	1	37	13.9%
Love	5	!	1	0	1	1	0	0	0	4	4	1	5	1.9%
Gull	6	1	6	2	8	! i	14	2	0	52	69	!	76	28.5%
Gull	7	!	7	0		!	0	0	0	14	14		21	7.9%
Gul l	8	!	7	0	7	!	0	0	0	6	6	1	13	4.9%
Margaret	9	!	1	1	2	1 1	0	0	2.	2	4	1	6	2.2%
Upper Gull	10	1	5	0	5	į	17	0	0	2	19	1	24	9.0%
Upper Gull	- 11	1	6	0	6	!	0	1	0	9	10	1	16	6.0%
Ray	12	1	1	0	i	1	0	0	0	2	2	! !	3	1.1%
Roy	13	i	2	0	2	!	. 0	0	0	5	5	!	7	2.6%
Nisswa	14	1	1	0	1	!	0	2	0	0	2	i i	3	1.17
	Total	1	70	4	74	!	32	5	3	153	193	1	267	100.0%

DATE: July 13. 1985 - Saturday

			Во	ats With W	lakes	!		Boats (	dithout W	akes		1	Lake	Percent
AKE/AREA		1.		With		1	Beached					1	Area	<u>of</u>
ıll Chain		!	Other	Skiiers	Total	ţ.	Boats	Sailed	Canoe	Other	Total	1	Total	Total
Lower Gull	1	1	7	2	9	1	0	3	2	13	18	1	27	11.3%
Gul l	2	! 1	5	0	5	1	0	3	0	18	21	1 1	26	10.9%
Gull .	3	!	9	0	9	!	Ь	4	1	8	19	!	28	11.7%
Gull	4	1	17	0	17	!	7	1	0	9	17	1	34	14.2%
Love	5	!	0	0	0	!	0	0	0	3	3	1	3	1.3%
Gul I	6	!	11	1	12	-	0	1	0	10	11	-	23	9.6%
Gull	7	!	6	1	7	1	0	1	0	4	5	1	12	5.0%
Gul l	8	1	7	0	7	!	0	1	0	6	7	!	14	5.9%
Margaret	9	1	8	0	. 8	1	0	1	1	7	9	1	17	7.1%
Upper Gull	10	1	3	0	3	1	26	0	0	0	26	1	29	12.1%
Upper Gull	11	!	1	3	4	1	0	0	2	4	6	1	10	4.2%
Ray	12	1	5	0	5	1	0	0	0	1	1	1	6	2.5%
Roy	13	!	2	1	3	1	0	0	0	3	3	!	. 6	2.5%
Nisswa	14	!	0	2	2	1	0	. 0	0	2	2	i i	4	1.7%
	Total	1	81	10	91	I i	39	15	6	88	148	!	239	100.0%

DATE: July 23, 1985 - Tuesday

			Ва	ats With I	akes	!		Boats W	without Wa	akes		i ì	Lake	Percent
AKE/AREA		:		With		;	Beached					1	Area	of
ull Chain		1	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total	1 i	Total	Total
Lower Gull	1	ł	4	0	4	1	0	1	0	. 2	3	!	7	10.8%
Gull	2	! i	1	0	1	I i	0	0	0	4	4	1	5	7.7%
Gull	3	;	7	0	7	!	0	0	111	2	3	i i	10	15.4%
6ull	4	1	2	0	2	1	0	1	0	2	3	!	5	7.7%
Love	5	!	1	0	1	!	0	0	0	1	1	1	2	3.1%
Gul l	6	!	2	0	2	- 1	0	• 0	Û	1	1	l l	3	4.6%
Gull	7	l i	4	0	4	!	0	0	Û	0	0	1	4	6.2%
Gull	8	1	1	0	1	!	0	0	0	5	5	1	6	9.2%
Margaret	9	!	1	0	1	!	0	0	0	2	2	1	3	4.6%
Upper Gull	10	1	1	0	1	!	4	3	Û	1	8	1	9	13.8%
Upper Gull	11	1	1	0	1	1	0	0	. 0	2	. 2	1	3	4.6%
Ray	12	į i	1	0	1	1	0	0	0	1	1	1	2	3.1%
Rov	13	!	3	0	3	!	0	0	0	0	0	!	3	4.6%
Nisswa	14	l i	1	1	2	1	0	0	1	0	1	1	3	4.6%
	Total	1	30	1	31	!	4	5	2	23	34	1	65	100.0%

DATE: July 28, 1985 - Sunday

		j ī	Во	ats With W	lakes	!		Boats W	lithout Wa	ikes		1	Lake	Percent
AKE/AREA		1		With		!	Beached					1	Area	σf
ull Chain		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
Lower Gull	1	1	10	6	16	!	0	5	0	14	19	1:	35	10.3%
Gull	2	1	1	0	1	í	0	4	0	5	9	1	10	2.9%
Gull	3	i	17	11	18	1	44	3	0	8	55	1	73	21.5%
Sul l	4	!	19	1	20	!	0	14	0	24	38	1	56	17.1%
Love	5	!	i	0	1	1	0	0	0	7	7	1	8	2.4%
Gull	6	1	9	1	10	1	0	3	0	3	6	1	16	4.7%
Gull	7	!	4	5	9	1	0	3	0	3	6	i	15	4.4%
Gull	8	i i	16	0	16	!	0	1	0	- 5	6	1	- 22	6.5%
Margaret	9	1	6	3	9	!	0	0	1	5	6	1	15	4.4%
Upper Gull	10	1	11	. 0	- 11	!	26	2	0	5	33	1	44	13.0%
Upper Gull	11	1	7	2	9	!	0	0	0	6	6	1	15	4.4%
Ray	12	1	6	0	6	1	0	0	0	1	1	1	7	2.1%
Roy	13	!	4	0	4	1	0	0	0	7	7	i I	11	3.2%
Nisswa	14	1	5	0	5	1	0	0	0	5	5	-	10	2.9%
	Total	!	116	19	135	!	70	35	1	98	204		339	100.0%

DATE: August 11, 1985 - Sunday

HE: DUQUE	*** *	700	Junuay											
		!	Bo	ats With 1	<b>l</b> akes	i i		Boats (	dithout Wa	ikes		!	Lake	Percent
KE/AREA		1		With		!	Beached					1	Area	of
ll Chain		1	Other	Skilers	Total	_ [	Boats	Sailed	Canoe	Other	Total	1	Total	Total
Lower Gull	1	1 1	7	1	8	I I	0	_ 3	0	В	11	!	19	8.6%
6u1!	2	;	3	1	4	!	0	2	0	5	7	!	11	5.0%
Gull	3	!	5	1	6	;	0	2	0	11	13	!	19	8.6%
Gull	4	1	20	2	22	1	3	11	0	5	20	1	42	19.1%
Love	5	1	1	0	1	1	0	0	0	1	1	1	2	0.9%
Gull	6	!	5	1	6	1	0	1	0	8	9	1	15	6.8%
Gull	7	!	7	0	7	1	0	4	0	1	5	-	12	5.5%
Gul l	8	!	11	1	12	1	0	1	1	3	5	1	17	7.7%
Margaret	9	!	8	3	11	1	0	1	0	7	8	1	19	8.6%
Upper Gull	10	1	12	0	12	- !	17	0	0	3	20	1	32	14.5%
Upper Gull	11	!	4	2	6	1	0	0	0	4	4	i	10	4.5%
Ray	12	1	6	0	6	i	0	0	0	2	2	!	8	3.6%
Roy	13	1	6	1	7	!	0	0	0	2	2	1	9	4.1%
Nisswa	14	1	1	0	1	1	0	0	0	4	4	I	5	2.3%
	Total	1	96	13	109	1	20	25	1	65	111	!	220_	100.0%

DATE: August	15,	1985	-	Thursd	ay
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		!	Во	ats With W	lakes	l I	A	Boats V	√ithout ₩a	kes		!	Lake	Percent
AKE/AREA		1		With		1	Beached					-	Area	of
ıll Chain		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	i i	Total	Total
Lower Gull	1	1	5	7	12	!	0	0	2	7	9	1	21	12.77
6ull	2	ŀ	i	i	2	ŧ	1	0	0	10	11	!	13	7.87
Gull	3	! i	7	1	8	-	0	. 1	0	10	11	1	19	11.47
Gull	4	!	8	4	12	! i	0	0	0	12	12	1	24	14.5%
Love	5.	!	2	0	2	1	0	0	0	2	2	1	4	2.47
Gall	Ь	1	13	2	15	1	0	5	. 0	6	11	!	26	15.77
Gull	7	1	3	2	5	1	0	0	1	2	3	!	8	4.87
Gull	8	}	4	0	4	1	0	0	0	4	4	1	8	4.87
Margaret	9	!	3	2	5	I	0	0	0	3	3	1	8	4.87
Upper Gull	10	1	3	0	3	1	8	0	0	0	8	1	11	6.67
Upper Gull	11	i i	1	1	2	1	0	0	0	4	4	-	6	3.67
Ray	12	1	5	0	5	1	0	0	0	1	1	i i	6	3.6%
Roy	13	t i	0	0	0	1	0	0	0	6	6	1	6	3.67
Nisswa .	14	!	1	1	2	!	0	0	0	4	4	1	6	3.6%
	Total	1	56	21	77	l i	9	6	3	71	89	1	166	100.0%

DATE: August 25, 1985 - Sunday

		<u>!</u>	Во	ats With	Wakes	! 1		Boats	Without W	akes		ł i	Lake	Percent
LAKE/AREA		!		With		1	Beached					1	Area	ρţ
Gull Chain		!	Other	Skilers	Total	1	Boats	Sailed	Canoe	Other	Total	!	Total	Total
Lower Gull	1	1	0	1	1	1	0	0	1	2	3	-	4	1.9%
6u11	2	!	7	2	9	1	0	1	1	5	7	1	16	7.8%
Gull Gull	3	ł	3	1	4	1	0	0	1	17	18	!	22	10.7%
<u>6ull</u>	4	1	25	0	25	! i	0	1	0	15	16	1	41	19.9%
Love	5	!	1	1	2	!	0	0	0	1	1	1	. 3	1.5%
Gul 1	6	1	11	1	12	!	0	0	0	10	10	1	22	10.7%
Gull 1	7	1 1	5	0	5	1	0	7	0	12	19	1	24	11.7%
Gull	В	1	12	0	12	1	0	0	0	3	3	!	15	7.3%
Margaret	9	1	1	2	3	!	0	0	0	2	2	!	5	2.4%
Upper Gull	10	1	8	0	8	1	15	0	0	2	17	!	25	12.1%
Upper Gull	11	! !	6	1	7	!	0	0	0	4	4	1	11	5.3%
Ray	12	!	0	0	0	!	0	0	0	2	2	1	2	1.0%
Roy	13	!	2	1	3	!	0	0	1	2	3	1	6	2.9%
Nisswa	14	1	8	0	8	1	0	0	0	2	2	1	- 10	4.9%
	Total	1	89	10	99	1	15	9	4	79	107	!	206	100.0%

DATE: May 18, 1	985 -	Sat	urday	_			•				,		2
Direct May 104 1	700	1		ats With	Wakes	; i		Boats (	√ithout Wa	kes	!	Lake	Percent
LAKE/AREA	•	!		With		;	Beached				1	Area	of
		1	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total !	Total	Total
Lower Hay	1	1	0	0	0	!	0	0	0	11	11	11	2.6%
Upper Whitefish	2	!	4	0	4	!	0	0	0	17	17 1	21	4.9%
Upper Whitefish	3	1	4	0	4	1	0	0	0	30	30	34	7.9%
Arrowhead	4	1	0	0	0	i i	0	. 0	0	18	18 ¦	18	4.27.
Lower Whitefish	5	!	1	0	1	!	0	0	0	25	25	26	6.0%
Lower Whitefish	6	!	8	0	. 8	1	0	0	0	14	14 1	22	5.1%
Bertha	7	l i	0	0	0	1	0	0	0	10	10	10	2.3%
Clamshell	8	;	0	1	1	ļ	0	0	0	13	13	14	3.3%
Lower Whitefish	9	!	0	0	0	!	0	0	0	5	5 !	5	1.2%
Piq	10	1	0	0	0	i	0	0	1	7	8 ;	8	1.9%
Lower Whitefish	11	1	4	0	4	! i	0	0	0	7	7 :	11	2.6%
Lower Whitefish	12	!	5	0	5	1	0	0	0	27	27	32	7.4%
Big Trout	13	1 i	7	0	7	!	0 -	0	1	15	- 16 }	23	5.3%
Island	14	1	4	0	4	1	0	0	1	11	12	16	3.7%
Loon	15	1	0	0	0	l i	0	0	0	6	6 !	6	1.4%
Hen	16	1	0	0	0	!	0	0	0	2	2 1	2	0.5%
Rush	17	1	4	0	4	! i	0	0	1	22	23	27	6.3%
Cross	18	i i	21	. 0	21	1	19	0	0	25	44	65	15.1%
Cross .	19	1	2	0	2	i	4	0	0	11	15	17	4.0%
Cross	20	l i	0	0	0	1	0	0	0	9	9 1	9	2.1%
Daggett	21	!	14	0	14	1	0	0	0	13	13	27	6.3%
Little Pine	22	!	0	0	0	!	0	0	0	26	26	26	6.0%
	Total	!	78	1	79	!	23	0	4	324	351	430	100.0%

DATE: Ju	ne 01.	1985 -	Saturday
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		1	Bo	ats With N	lakes	!		Boats (	Without Wa	ikes	1	Lake	Percent
LAKE/AREA		! i		With		1	Beached				1	Area	of
		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total !	Total	Total
Lower Hay	1	!	0	0	0	1	0	0	0	3	3	3	3.3%
Upper Whitefish	2	1	3	0	3	1	0	0	0	3	3 !	6	6.5%
Upper Whitefish	1 3	!	0	0	0	!	0	0	0	1	1	1	1.1%
Arrowhead	4	!	0	0	0	!	Ů	0	0	0	0 1	0	0.0%
Lower Whitefish	i 5	1	0	0	0	1	0	0	0	1	1 1	1	1.1%
Lower Whitefish	6	1.	0	0	0	1	0	0	0	3	3	3	3.3%
Bertha	7	! 1	1	0	1	! ;	0	0	0	1	1	2	2.2%
Clamshell	8	!	3	0	3	1	0	0	0	6	6 1	9	9.8%
Lower Whitefish	9	1	0	0	0	1	0	1	0	0	1	1	1.1%
Piq	10	1	0	0	0	1	0	0	0	2	2 1	2	2.2%
Lower Whitefish	11	1	3	0	3	1	0	0	0	1	1	4	4.3%
Lower Whitefish	12	ŧ	1	0	1	!	0	0	0	- 1	1 1	2	2.2%
Big Trout	13	1	1	0	1	-	0	0	0	3	3 1	4	4.3%
Island	14	1	2	0	2	1	0	0	0	3	3	5	5.4%
Loon	15	!	0	. 0	0	1	0	0	1	2	3	3	3.3%
Hen	16	!	1	0	1	!	0	. 0	0	4	4 !	5	5.4%
Rush	17	ŀ	2	0	2	1	0	0	0	2	2	4	4.3%
Cross	18	-	0	, 0	0	1	10	0	0	7	17	17	18.5%
Cross	19	1	2	0	2	!	0	0	0	2	2	4	4.3%
Cross	20	1	0	0	0	!	0	0	0	4	4 !	4	4.3%
Daggett	21	!	. 2	0	2	1	0	0	0	5	5 1	7	7.6%
Little Pine	22	!	0	0	0	1	. 0	0	0	5	5	5	5.4%
	Total	!	- 21	0	21	1	10	1	1	59	71 1	92	100.0%

APPENDIX I (cont.)

Boat Count by Area of Lake, Date and Type of Boating Activity

DATE: June 19, 1985 - Wednesday

DAIE: June 19,	.1785 -	• #ednesday										
		! Bo	oats With	Wakes	i		Boats	Without W	akes	- X	! Lake	Percent
LAKE/AREA		!	With		1	Beached					Area	of
	-	l Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	! Total	Total
Lower Hay	1	1 1	0	1	1	0	- 0	0	3	3	1 4	2.71
Upper Whitefis	h 2	1 4	. 0	4.	1	0	0	0	5	5	1 9	6.0%
Upper Whitefis	ih 3	1 1	0	1	1	0	0	0_	3	3	1 4	2.7%
Arrowhead	4	: 0	0	0	- !	0	0	0	4	4	1 4	2.7%
Lower Whitefis	ih 5	1 2	` 0	2	15	0	0	0	1	1	1 3	2.0%
Lower Whitefis	h 6	! 0	0	0	1	0	1	0	10	11	1 11	7.3%
Bertha	7	1 0	0	0	-	1	0	0	3	4	! 4	2.7%
Clamshell	8	1 1	. 1	2	- [	0	0	0	4,	4	1 6	- 4.0%
Lower Whitefis	ih 9	1 1	0	1	!	0	0	0	3	3	<b>!</b> 4	2.7%
Piq	10	1 1	0	1	1	0	1	0	4	5	1 6	4.0%
Lower Whitefis	h 11	1 2	0	2	1	0	0	0	8	. 8	1 10	6.7%
Lower Whitefis	h 12	1 1	0	1	i i	. 0	0	. 0	8	. 8	1 9	6.0%
Big Trout	13	1	0	1	!	0	. 1	0	5	6	1 7	4.7%
Island -	14	! 3	0	. 3	1	0	0	0	3	3	! 6	4.0%
Loon	15	1 0	0	0	1	. 0	0	0	0	0	. 0	0.0%
Hen	16	1 0	0	0	1	0	0	0	0	0	1 0	0.0%
Rush	17	<b>!</b> 4	0	4	1	0	0	0	7	7	1 11	7.3%
Cross	18	1 3	0	3	1	12	0	0	12	24	1 27	18.0%
Cross	19	1 2	0	2	1	0	0	0	6	6	! 8	5.3%
Cross	20	1 1	0	1	-	0	0	0	4	4	5	3.3%
Daggett	21	! 2	0	2	1	0	0	0	5	5	1 7	4.7%
Little Fine	22	1 2	0	2	1	0	0	0	3	3	5	3.3%
	Total	1 32	1	- 33	!	13	3	0	101	117	150	100.0%

	DATE:	June	29.	1985 -	- Saturday
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		!	Bo	ats With W	lakes	1		Boats V	Nithout Wa	ikes		! Lake	Percent
LAKE/AREA		1		With		!	Beached					l Area	of
		!	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total	! Total	Total
Lower Hay	1	!	1	0	i	- [	0	1	0	1	2	1 3	1.17
Upper Whitefish	2	1	7	0	7	1	0	2	0	13	15	1 22	8.0%
Upper Whitefish	3	!	2	1	3	1	1	0	0	4	5	! 8	2.9%
Arrowhead	4	!	0	. 0	. 0	1	0	0	. 0	9	- 9	9	3.3%
Lower Whitefish	<u> 5</u>	1	4	Q	4	1	0	0	0	4	4	: 8	2.9%
Lower Whitefish	6	!	2	0	2	1	0	0	0	3	3	5	1.8%
Bertha	7	!	1	0	1	1	0	0	0	2	2	! 3	1.1%
Clamshell	8	1	2	1	3	1	0	1	0	3	4	1 7	2.6%
Lower Whitefish	9	!	1	0	1	1	0	0	0	2	2	: 3	1.1%
Piq	10	1	0	0	0	!	0	0	0	3	3	3	1.17
Lower Whitefish	11	į į	2	0	2	1	0	0	0	6	6	: 8	2.9%
Lower Whitefish	12	1	9	i	10	!	0	0	0	11	11	21	7.7%
Big Trout	13	ì	4	Û	4	ŀ	0	1	1	7	9	13	4.7%
Island	14	1	0	0	0	1	0	Ũ	0	3	3	3	1.1%
Loon	15	1	0	0	0	1	0	0	0	0	0	1 0	0.0%
Hen	16	1	Û	1	1	! 1	Û	0	0	6	6	. 7	2.6%
Rush	17	1	24	0	24	!	0	0	0	6	6	30	10.9%
Cross	18	i i	4	0	4	!	39	0	2	8	49	53	19.3%
Cross	19	!	7	1	8	-	2	0	0	15	17	1 25	9.1%
Cross	20	I I	2	0	2	i	Ō	0	. 0	9	9	11	4.0%
Daggett	21	ŀ	10	0	10	1	0	1	0	6	7	17	6.2%
Little Pine	22	1	4	0	4	I	0	0	1	10	11	15	5.5%
	Total		86	5	91	!	42	6	4	131	183	274	100.0%

APPENDIX I (cont.)
Boat Count by Area of Lake, Date and Type of Boating Activity

DATE: July 13, 1985 - Saturday

		1	Bo	ats With	Wakes	1		Boats	Without W	akes		:	Lake	Percent
LAKE/AREA		1		With		1	Beached					;	Area	of
Whitefish Chain		1	Other	Skiiers	Total	1	Boats	Sailed	Cance	Other	Total	1	Total	Total
Lower Hay	1	1	2	1	3	- ;	0	0	0	9	9	1	12	4.0%
Upper Whitefish	2	1	5	1	6	ļ	0	0	!	3	4	1	10	3.4%
Upper Whitefish	3	1	2	0	2	1	. 0	0	0	5	5	1	7	2.4%
Arrowhead	4	1	0	0	0	!	0	0	. 0	1	1	1	1	0.37
Lower Whitefish	5	1	2	0	2	1	0	0	0	2	2	1	4	1.3%
Lower Whitefish	6	I	3	0	3	;	1	0	0	7	8	1	11	3.7%
Bertha	7	!	3	1	4	1	0	1	0	1	2	1	6	2.07
Clamshell	8	1	3	0	3	1	0	0	0	4	4	1	7	2.4%
Lower Whitefish	9	1	2	0	2	1	0	0	Û	1.	1	1	3	1.0%
Piq	10	1	1	1	2	;	0	0	0	1	i	1	3	1.0%
Lower Whitefish	11	1	6	0	6	1	0	0	0	3	3	1	9	3.0%
Lower Whitefish	12	1	0	0	0	1	0	0	0	6	Ь	1	6	2.0%
Big Trout	13	1	9	2	11	1	. 0	1	11	19	31	!	42	14.17
Island	14	1	0	0	0	1	0	2	1	3	6	1	6	2.0%
Loon	15	1	0	0	0	1	0	0	0	2	2	1	2	0.7%
Hen	16	1	0	0	0	1	0	0	0	2	2	1	2	0.7%
Rush	17	1	17	1	18	!	25	1	0	3	29	1	47	15.8%
Cross	18	;	9	0	9	1	19	0	0	3	22	;	31	10.4%
Cross	19	1	14	- 0	14	;	.8	0	0	7	15	:	29	9.8%
Cross	20	1	6	0	6	1	.0	1	0	11.	12	1	18	6.17
Daggett	21	!	15	1	16	;	0	1	0	8	9	1	25	8.4%
Little Pine	22	;	3	0	3	1	0	1	1	11	13	:	16	5.4%
	otal	1	102	8	110	1	53	8	14	112	187	1	297	100.0%

DATE: July 23, 1985 - Tuesday

		L	Bo	ats With 1	Nakes	!		Boats 1	Without W	akes	;	Lake	Percent
LAKE/AREA		1		With		!	Beached					Area	of
Whitefish Chain		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total :	Total	Total
Lower Hay	1	1	1	0	1	1	0	0	0	1	1	2	1.4%
Upper Whitefish	2	1	1	0	1	;	0	0	0	3	3 !	4	2.8%
Upper Whitefish	3	1	0	0	0_	!	0	11_	0	0	1 :	1	0.7%
Arrowhead	4	1	1	· 0	1	!	0	0	0	1	1 1	2	1.4%
Lower Whitefish	5_	1	0	0	0	I I	0	1_	0	0	1 !	1	0.7%
Lower Whitefish	6	1	2	0	2	!	0	0	0	1	1 1	3	2.17
Bertha	7	1	1	0	1	1	0	0	0	2	2 :	3	2.17
Clamshell	8	1	2	1	3	!	0	0	0	3	3 !	6	4.3%
Lower Whitefish	9	1	0	0	0	1	0	1	0	2	3	3	2.1%
Pig	10	1	1	0	1	!	0	. 0	0	2	2	3	2.1%
Lower Whitefish	11	1	3	0	3	!	0	0	0	5	5 ;	. 8	5.7%
Lower Whitefish	12	ł	0	0	0	1	0	0	_0	1	1 !	1	0.7%
Big Trout	13	!	3		5	1	0	5	0	5	10	15	10.6%
Island	14	1	0	0	0	1	0	0	0	2	2 1	2	1,4%
Loon	15	1	0	0	0	1	0	0	0	0	0 :	0	0.0%
Нел	16	1	0	0	0	!	.0	0	0	1	1 :	1	0.7%
Rush	17	1	7	0	7	1	0	1	0	5	6 :	13	9.2%
Cross	18	1	4	0	4	1	47	1	0	0	48	52	36.9%
Cross	19	1	0	2	2	;	0	0	0	3	3 ;	5	3.5%
Cross	20	!	3	0	3	!	. 0	0	0	2	2 1	5	3.5%
Daggett	21	1	7	0	7	;	0	0	0	1	1	8	5.7%
Little Pine	22	1	1	0	1	1	0	0	0	. 2	2 }	3	2.1%
	Total	;	37	5	42	1	47	10	0	42	99 ;	141	100.0%

DATE: July 28, 1985 - Sunday

Dille 0417 201			inay .							• •			
		<u>!</u>	Bo	ats With W	lakes	!		Boats 1	Without Wa	akes	<b>;</b>	Lake	Percent.
LAKE/AREA		1		With		_1	Beached				:	Area	of
Whitefish Chain		1_	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total :	Total	Total
Lower Hay	1	1	3	0	3	1	0.	0	. 0	2	2 :	5	2.3%
Upper Whitefish	2	1	5	1	6	!	0	2	0	5	7 ;	13	6.1%
Upper Whitefish	3_	1	4	0	4	1	2	0	- 2	5	9 :	13	6.17
Arrowhead	4	!	0	0	0	1	0	0	0	0	0 ;	0	0.07
Lower Whitefish	5	!	3	0	3	ī	0	5	0	i	6 ;	9	4.27
Lower Whitefish	Ь	1	2	0	2	1	0	i	0	0	1 :	3	1.47.
Bertha	7	ŀ	1	1	2	1	0.	. 0	0	3	3 ;	5	2.37
Classhell	8	1	1	- 2	3	- 1	0	1	0	1	2 ;	5	2.37.
Lower Whitefish	9	;	1	1	2	1	0	0	0	1	1 1	3	1.4%
Piq	10	1	3	0	3	1	0	0	0	4	4 ;	7	3.3%
Lower Whitefish	11	1	9	0	9	1	0	0	0	1	1 :	10	4.7%
Lower Whitefish	12	1	3	1	4	:	0	1	0	1	2	6	2.8%
Biq Trout	13	!	11	0	11	!	. 0	1	1	4	6 1	17	7.9%
Island	14	;	2	1	3	1	0	0	0	0	0 1	3	1.4%
Loon	15	1	0	0	0	i	0	0	0	0	0 1	0	0.0%
Hen	16	ļ	0	0	0	;	0	0	0	2	2 !	2	0.9%
Rush	17	;	8	4	12	1	0	0	0	6	6 1	18	8.47
Cross	18	1	11	0	11	;	31	0	0	0	31 ;	42	19.6%
Cross	19	!	8	2	10	1	13	0	0	2	15 :	25	11.7%
Cross	20	;	1	1	2	;	1	0	0	2	3 :	. 5	2.37
Daggett	21	i	9	0	9	1	0	0	0	0	0 ;	9	4.2%
Little Pine	22	-	4	0	4	1	0	0	0	- 10	10 ;	14	6.5%
	Total	1	89	14	103	1	47	11	3	50	111	214	100.0%

DATE: August 11, 1985 - Sunday

DAIL: August 1	1785	<u>- Sunday</u>										
	1	Вс	ats With	Wakes	1		Boats (	Without W	akes	1	Lake	Percent
LAKE/AREA			With		1	Beached					Area	of
Whitefish Chair	1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	Total	Total
Lower Hay	<u>i</u> !	1	0	1	1	0	2	2	4	8	5	2.9%
Upper Whitefish	2 !	8	0	8	1	3	0	0	4	7	15	4.8%
Upper Whitefish	3 1	2	0	2	- 1	0	1	0	3	4	! <i>!</i>	1.9%
Arrowhead	4 1	1	0	1	1	0	0	0	2	2	3	1.0%
Lower Whitefish	5 1	5	0	5	1	1	0	.0	0	1	! !	1.9%
Lower Whitefish	6 1	2	0	2	1	3	0	0	4	7	9	2.9%
Bertha	7	6	0	6	1	0	2	0	5	7	13	4.1%
Clamshell	8 :	8	1	9	1	0	1	0	5	6	15	4.8%
Lower Whitefis	1 <b>9</b>	3	0	3	;	2	1	0	0	3	! !	1.9%
Piq	10 :	1	1	2	1	0	0	0	2	2	4	1.3%
Lower Whitefish	11	8	2	10	1	3	3	0	5	11	21	6.7%
Lower Whitefish	12 !	3	0	3	1	0	3	0	4	7	10	3.2%
Big Trout	13	11	5	16	1	2	8	7	20	37	53	16.9%
Island	14 1	2	1	3	1	0	0	0	3	3	<u> </u>	1.9%
Loon	15	0	0	0	1	0	0	0	1	1	1 1	0.3%
Hen	16	1	0	1	1	00	0	0	4	4		
Rush	17	17	1	18		11	2_	0	14	27	1 45	
Cross	18	9	0	9	1	20	0	0	1	21	30	9.6%
Cross	19	8	2	10	1	7	3_	0	4	14	! 24	
Cross	20 :	1	5	6	1	0	0	0	<u> </u>	<u> </u>	. 7	2.2%
Daggett	21	14	1	15	1	0	1	0	3	4	19	
Little Pine	22 !	4	0-	4	1	0	2	0	1	3	1 7	2.2%
	Total	115	19	134	1	52	29	9	90	180	314	100.0%

DATE: August 15, 1985 - Thursday

		1	Bo	ats With 1	Nakes	1		Boats	Without W	akes		1	Lake	Percent
LAKE/AREA		1		With		1	Beached					;	Area	of
Whitefish Chain		1	Other	Skiiers	Total	1	Boats	Sailed	Cance	Other	Total	1	Total	Total
Lower Hay	1	1	1	0	i	-	0	0	0	5	5	1	6	2.7%
Upper Whitefish	2	;	3	1	4	1	0	0	0	4	4	1	8	3.6%
Upper Whitefish	3	;	44	. 0	4	1	- 0	. 0	0	10	10	1	14	6.3%
Arrowhead	4	1	0	0	0	1	0	0	0	3	3	1	3	1.4%
Lower Whitefish	5	1	5	1	6	- 1	0	0	0	4	4	1	10	4.5%
Lower Whitefish	- 6	1	3	0	3	;	2	0	0	3	5	1	8	3.6%
Bertha	7	1	4	1	5	1	0	1	0	7	8	1	13	5.9%
Clamshell	8	1	4	2	6	1	. 0	0	2	2	4	1	10	4.5%
Lower Whitefish	1 9	1	0	0	0	1	0	0	0	4	4	1	4	1.8%
Piq	10	1	. 0	1	1	-	0	1	0	3	4	1	5	2.3%
Lower Whitefish	11	!	10	0	10	1	0	0	0	. 7	7	;	17	7.7%
Lower Whitefish	12	1	3	1	4	;	0	0	0	3	. 3	ļ	7	3.2%
Big Trout	13	1	5	0	5	1	0	0	0	4	4	1	9	4.1%
Island	14	1	3	2	5	- 1	0	7	5	4	16	1	21	9.5%
Loon	15	1	0	0	0	1	0	0	0	0	0	1	0	0.0%
Hen	16	!	0	0	0	1	0	0	0	1	1	!	1	0.5%
Rush	17	1	6	1	7	1	5	0	0	5	10	i i	17	7.7%
Cross	18	1	6	1	7	i	17	1	. 2	3	23	1	30	13.5%
Cross	19	1	4	1	5	1	10	0	0	2	12	I I	17	7.7%
Cross	20	1	2	0	2	1	0	1	<u>i</u>	0	2	1	4	1.8%
Daggett	21	1	7	i	8	1	0	0	0	3	3	1	11	5.0%
Little Pine	22	1	2	0	2	1	0	0	0	5	5	1	7	3.2%
	Total	1	72	13	85	1	34	11	10	82	137	1	222	100.0%

DATE: August 25. 1985 - Sunda	DATE:	August	25.	1985	_	Sunday
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Milefish Chain		DHIE: HUQUST 25	, 170	J -	Sunday										
Whitefish Chain				1	Во	ats With I	Vakes	!		Boats	Without Wa	ekes		Lake	Percent
Lower Hay		LAKE/AREA		1		With		1	Beached				!	Area	of
Lower Hay		Whitefish Chain		!	Other	Skilers	Total	1	Boats	Sailed	Cange	Other	Total :	Total	Total
Upper Whitefish 3		Lower Hay	1	!	4	1	5	1	. 0	1	0	_ 3	4 1	9	3.5%
Arrowhead 4 : 1 0 1 1 0 0 0 0 0 0 0 1 1 0.  Lower Whitefish 5 : 3 0 3 1 0 1 0 0 1 1 4 1.  Lower Whitefish 6 : 7 0 7 1 0 0 0 0 5 5 1 12 4.  Bertha 7 : 0 0 0 0 1 0 0 1 2 3 1 3 1.  Clamshell 8 : 4 0 4 : 0 0 0 0 4 4 1 8 3.  Lower Whitefish 9 : 0 1 1 1 : 0 0 0 0 2 2 1 3 1.  Piq 10 : 0 2 2 1 0 0 0 0 5 5 1 7 2.  Lower Whitefish 11 : 11 1 1 12 : 0 1 0 4 5 : 17 6.  Lower Whitefish 12 : 6 0 6 : 0 1 0 3 4 1 10 3.  Big Trout 13 : 8 1 9 : 0 1 0 1 0 1 0 3 4 1 13 5.  Island 14 : 4 0 4 : 0 0 0 0 5 5 5 : 9 3.  Loon 15 : 1 0 0 1 0 0 0 0 2 2 1 2 0 0 0 0 0 5 5 5 : 9 3.  Loon 15 : 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Upper Whitefish	2	1	12	0	12	1	. 2	0	1	3	6 (	18	7.0%
Lower Whitefish         5           3         0         3           0         1         0         0         1           4         1.           Lower Whitefish         6           7         0         7           0         0         0         5         5           12         4.           Bertha         7           0         0         0           0         0         1         2         3           3           1.           Clamshell         8           4         0         4           0         0         0         0         4           1         8           3.           Lower Whitefish         9           0         1         1           1           0         0         0         2         2           1           1             Piq         10           0         2         2           1           0         0         0         2         2           3           1             Piq         10           1         1         1         1         1           1           1           1           1           1           1           0           0         0         0         0         0		Upper Whitefish	3	1	_1	0	. 1	1	0	0	0	3	3 !	4	1.6%
Lower Whitefish 6		Arrowhead	4	1	1	0	1	1	0	0	0	0	0 :	1	0.4%
Bertha         7   0         0         0   0         0         0         1         2         3   3   1           Clamshell         8   4         0         4   0         0         0         0         4   4   8         3           Lower Whitefish         9   0         1         1   1   0         0         0         2         2   1   3   1           Piq         10   0         0         2         2   1   0         0         0         5   7   2           Lower Whitefish         11   1   1   1   1   1   1   1   1   1	•	Lower Whitefish	5	1	3	0	3	1	0	1	0	0.	1 1	4	1.6%
Clamshell   B   A   O   A   O   O   O   O   A   A   B   B   A   Cower Whitefish   P   O   O   O   O   O   O   O   O   O		Lower Whitefish	6	1	7	0	7	1	0	0	0	5	5 !	12	4.7%
Lower Whitefish 9		Bertha	7	1	0	0	0	1	0	0	1	2	3 :	3	1.2%
Piq         10 !         0         2         2 !         0         0         5         5 !         7         2.           Lower Whitefish         11 !         11 !         11 !         12 !         0         1         0         4         5 !         17         6.           Lower Whitefish         12 !         6         0         6 !         0         1         0         3         4 !         10         3.           Biq Trout         13 !         8         1         9 !         0         1         0         3         4 !         10         3.           Island         14 !         4         0         4 !         0         0         0         5         5 !         9         3.           Loon         15 !         1         0         1 !         0         0         0         0         0         1         1         0.           Hen         16 !         0         0         0         0         0         0         0         0         1         1         0.           Rush         17 !         36         2         38 !         14         1         0         5 <td></td> <td>Clamshell</td> <td>8</td> <td>i</td> <td>4</td> <td>0</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>4</td> <td>4 ;</td> <td>8</td> <td>3.1%</td>		Clamshell	8	i	4	0	4	1	0	0	0	4	4 ;	8	3.1%
Lower Whitefish         11         1         12         1         0         1         0         4         5         !         17         6.           Lower Whitefish         12         !         6         0         6         !         0         1         0         3         4         !         10         3.           Biq Trout         13         !         8         1         9         !         0         1         0         3         4         !         10         3.           Island         14         !         4         0         4         !         0         0         0         5         5         !         9         3.           Loon         15         !         1         0         1         0         0         0         0         0         0         0         0         1         1         0.           Hen         16         !         0         0         0         0         0         0         2         2         !         2         0.           Rush         17         !         36         2         38         !         14         <		Lower Whitefish	9	1	0	1	1	;	0	0	0	2	2 1	3	1.2%
Lower Whitefish         12   6         0         6   0         0   1         0         3         4   10         3           Biq Trout         13   8         1         9   0         1         0         3         4   13         13         5           Island         14   4         4         0         4   0         0         0         0         5         5   9         3           Loon         15   1         1         0         1   0         0         0         0         0         0   1         0           Hen         16   0         0         0         0         0         0         0         0         0         1         1         0           Rush         17   36         2         38   14         1         0         5         20   58         22           Cross         18   16         0         16   5         0         0         6         11   27         10           Cross         19   8         2         10   10         2         0         3         15   25         9           Cross         20   3         3         6   0         0         0         3         3   1         9<		Piq	10	1	0	2	2	1	0	0	0	5	5 ¦	7	2.7%
Biq Trout         13   8   1   9   0   1   0   3   4   13   5.           Island         14   4   0   4   0   0   0   0   5   5   9   3.           Loon         15   1   0   1   0   0   0   0   0   0   0		Lower Whitefish	11	ł	11	1	12	1	0	1	0	4	5 !	17	6.6%
Island         14   4   0   4   0   0   0   0   5   5   9   3.           Loen         15   1   0   0   1   0   0   0   0   0   0		Lower Whitefish	12	1	6	0	. 6	1	0	1	0	3	4 ;	10	3.9%
Loon         15   1         1         0         1   0         0         0         0   1         1         0           Hen         16   0         0         0         0   0         0         2         2   1         2         0           Rush         17   36         2         38   14         1         0         5         20   58         22           Cross         18   16         0         16   5         0         0         6         11   27         10           Cross         19   8         2         10   10         2         0         3         15   25         9           Cross         20   3         3         6   0         0         0         3         3   9         3           Daggett         21   9         1         10   0         0         1         2         3   13   1         9         3           Little Fine         22   2         2         0         2   0         0         0         1         1   3         1         3         1		Biq Trout	13	1	8	1	9	1	0	1	0	3	4. (	13	5.1%
Hen         16 !         0         0         0 !         0         0         2         2 !         2         0.           Rush         17 !         36         2         38 !         14         1         0         5         20 !         58         22.           Cross         18 !         16         0         16 !         5         0         0         6         11 !         27         10.           Cross         19 !         8         2         10 !         10         2         0         3         15 !         25         9.           Cross         20 !         3         3         6 !         0         0         0         3         3 !         9         3.           Daggett         21 !         9         1         10 !         0         0         1         1         3         1.           Little Pine         22 !         2         0         2 !         0         0         0         1         1 !         3         1.		Island	14		4	0	4	1	0	0	0	5	5 :	9	3.5%
Rush         17   36         2 38   14 1 0 5 20   58 22.           Cross         18   16 0 16   5 0 0 6 11   27 10.           Cross         19   8 2 10   10 2 0 3 15   25 9.           Cross         20   3 3 3 6   0 0 0 0 3 3   7 9 3.           Daggett         21   9 1 10   0 0 0 1 2 3   13 5.           Little Fine         22   2 0 2   0 0 0 0 1 1   3 3 1.		Loon	15	-	1	0	1	!	0	0	0	0	0 1	1	0.4%
Cross         18 !         16 0         16 !         5 0         0 6 11 !         27 10.           Cross         19 !         8 2 10 !         10 2 0 3 15 !         25 9.           Cross         20 !         3 3 6 !         0 0 0 3 3 !         9 3.           Daggett         21 !         9 1 10 !         0 0 1 2 3 !         13 5.           Little Fine         22 !         2 0 2 !         0 0 0 1 1 !         3 1.		Hen	16	1	0	00	. 0	!	0	0	0	2	2 1	2	0.8%
Cross         19 !         8         2         10 !         10         2         0         3         15 !         25 9.           Cross         20 !         3         3         6 !         0         0         0         3         3 !         9         3.           Daggett         21 !         9         1         10 !         0         0         1         2         3 !         13         5.           Little Fine         22 !         2         0         2 !         0         0         0         1         1 !         3         1.		Rush	17	!	36	2	38	1	14	1	0	5	20 !	58	22.7%
Cross         20 !         3         3         6 !         0         0         0         3         3 !         9         3.           Daggett         21 !         9         1         10 !         0         0         1         2         3 !         13         5.           Little Fine         22 !         2         0         2 !         0         0         0         1         1 !         3         1.		Cross	18	!	16	0	16	1	5	0	0	6	11 1	<b>2</b> 7	10.5%
Daggett         21 !         9         1         10 !         0         0         1         2         3 !         13         5.           Little Fine         22 !         2         0         2 !         0         0         0         1         1 !         3         1.		Cross	19		8	2	10	!	10	2	0	3	15 ;	25	9.8%
Little Fine 22 ! 2 0 2 ! 0 0 0 1 1 ! 3 1.		Cross	20	1	3	3	6	1	0	0	0	3	3 !	9	3.5%
		Daqqett	21	1	9	1	10	1	0	0	1	2	3 !	13	5.1%
Total: 136 14 150: 31 8 3 64 106: 256 100.		Little Pine	22	1	2	0	2	1	0	0	0	1	1 1	3	1.2%
			Total	!	136	14	150	1	31	8	3	64	106 1	256	100.0%

#### DATE: May 18, 1985 - Saturday

			1	_ Bo	ats With W	lakes	1		Boats b	dithout Wa	kes		!	Lake	Percent
LAK	E/AREA		1		With		1	Beached					!	Area	of
Pel:	ican		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	!	Total	Total
		1	1	2	0	2	-	0	0	0	21	21	1	23	17.2%
		2	-	4	0	4	ţ	0	0	1	20	21	1	25	18.7%
		3	1	3	0	3	_	0	1	0	34	35	!	38	28.4%
		4	!	4	0	4	!	0	0	1	28	29	1	33	24.6%
		5	!	1	0	1	- 1	0	0	0	14	14	1	15	11.2%
	Tot	al	!	14	0	14	1	0_	1	2	117	120	1	134	100.0%

#### DATE: June 01, 1985 - Saturday

		1	Во	ats With W	lakes	1		Boats W	ithout Wa	kes		1	Lake	Percent
LAKE/ARE/	Ą	;		With		1	Beached					1	Area	of
Pelican		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
	1	-	0	0	0	i	0	0	. 0	10	10	1	10	38.5%
	2	1	0	0	0	1	0	0	0	3	3	!	3	11.5%
	3	1	1	0	1	1	0	0	0	0	0	1	1	3.8%
	4	!	0	0	0	1	0	0	0	9	9	1	9	34.6%
	5	1	0	0	0	1	0	0	0	3	3	1	3	11.5%
To	tal	!	1	0	1	1	. 0	0	0	25	25	1	26	100.0%

#### DATE: June 19, 1985 - Wednesday

		1	Во	ats With W	lakes	I ī		Boats b	lithout Wa	ikes		!	Lake	Percent
LAKE/AREA.		1		With		1	Beached					;	Area	of
Pelican		1	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total		Total	Total
	1	1	2	0	2	1	0	0	0	9	9	1	. 11	32.4%
	2	-	0	0	0	!	0	0	0	4	4	1	4	11.87
	3	1	1	0	1	!	0	0	0	3	3	!	4	11.8%
	4	!	0	1	1	1	0	0	0	4	4	1	·5	14.7%
	5	!	2	0	2	-	0	0	0	8	8	}	10	29.4%
Tot	al	1	5	1	6	1	0	0	0	28	28	1	34	100.0%

#### DATE: June 29, 1985 - Saturday

		1	Во	ats With W	akes	1		Boats W	lithout Wa	kes		1	Lake	Percent
LAKE/AREA		!		With		1	Beached					1	Area	p <del>f</del>
Pelican		1	Other	Skiiers	Total	i	Boats	Sailed	Canoe	Other	Total	1	Total	Total
	1	1	4	0	4	1	111	1	0	11	13	1	17	27.0%
	2	1	3	0	3	1	0	0	0	5	5	1	8	12.7%
	3	1	2	0	2	1	0	0	0	11_	11	1	13	20.6%
	4	1	3	0	3	1	0	1	0	3	4	-	7	11.1%
	5	;	3	1	4	1	0	0	0	14	14	!	18	28.6%
Tot	tal	l i	15	1	16	I	1	2	0	44	47	1	63	100.0%

DATE: July	13,	19	<u>85 - Satı</u>	<u>urday</u>										
-		1	Bo	ats With	Wakes	1		Boats	Without	lakes		1	Lake	Percent
LAKE/ARE	A	I		With.		1	Beached					Ι.	Area	of
Pelican		i i	Other	Skiiers	Total	] 	Boats	Sailed	Canoe	Other	Total	1	Total	Total
	1	1	3	2	5	!	0	3	1	6	10		15	28.8%
	2	1	1	1	2	1	0	0	0	10	10	!	12	23.1%
	3	1	1	0	1	1	0	0	0	. 4	4	!	5	9.6%
	4	1	9	. 1	10	1	0	0	1	3	4	1_	14	26.9%
	5	!	3	1	4	1	0	0	0	2	2	-	6	11.5%
T	otal	1	17	5	22	1	0	3	2	25	30	1	52	100.0%

DATE: July :	23,	198 !		<u>iday</u> ats With W	iskoc	!		Roste b	ithout Wa	kac		!	Lake	Percent
LAKE/AREA		<del> </del>		With	14.63	- 1	Beached	DOBES #	II CHOUL WO	, CJ		<u> </u>	Area	of
Pelican		j l	Other	Skiiers	Total	ŀ	Boats	Sailed	Canoe	Other	Total	1	Total	Total
	1	!	0	0	0	- !	0	1	0	. 2	3	!	3	15.0%
	$\overline{2}$	!	1	0	1	1	0	0	. 0	1	i	1	2	10.0%
	3	1	2	0	2	1	. 0	0	0	2	2	l i	4	20.0%
	4	- {	i	0	i	-	0	0	0	3	3	1	4	20.0%
	5	1	4	0	4	1	0	0	0	3	3	!	7	35.0%
Tot	al	!	8	0	8	- [	0	1	0	11	12	1	20	100.0%

		! !	Bo	ats With W	akes	1		Boats W	ithout Wa	kes		!	Lake	Percent
LAKE/AREA		1		With		:	Beached				,	!	Area	of
Pelican		1	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total	1	Total	Total
	1_	!	3	2	5	1	0	3	0	9	12	1	17	27.4%
	2	1	11	1	12	1	0	1	0	13	14	1	26	41.9%
	3	i i	2	0	2	-!	0	1	0	0	1	1	3	4.8%
	4	!	2	2	4	_[	5	2	0	5	12	1	16	25.8%
	5	!	0	0	0	!	0	0	0	0	0	-	0	0.0%
Tot	al	1	18	5	23	-	5	7	0	27	39	!	62	100.0%

DATE: August	11	. 1985 - 1	Sunday										
		l I	oats With	Wakes	- !		Boats W	lithout Wa	kes		1_	Lake	Percent
LAKE/AREA		!	With		!	Beached					i i	Area	of
Pelican		l Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
	1	1 :	2 2	4	!	0	11	0	4	15	1	19	26.8%
	2		0	4	-	0	2	0	5	7	-	11	15.5%
	3	1 1	1	6	-	0	3	0	8	11	!	17	23.9%
	4		0	3	1	4	0	0	0	4	1	7	9.9%
	5	}	1	5	i	0	1	1	10	12	1	17	23.9%
Tot	al	18	3 4	22	1	4	17	1	. 27	49	1	71	100.0%

nic. naga	51 1	1	1985 - Th Bo	pats With W	lakes	!		Boats W	lithout Wa	ikes		!	Lake	Percent
LAKE/ARE	A	Ī		With		1	Beached					1	Area	of
Pelican		!	Other	Skiiers	Total	i i	Boats	Sailed	Canne	Other	Total	1	Total	Total
	1	ŀ	4	4	8	1	1	1	1	6	9	ļ	17	24.3
	2	!	4	. 0	4	1	0	0	0	Ą	4	1	8	11.47
	3	1	3	0	3	I i	0	1	0	7_	8	!	11	15.7
	4	1	4	0	4	1	5	1	0	8	14	1	18	25.77
	5	1	4	4	8	1	0	1	0	7	8	1	16	22.97
To	otal	1	19	8	27	!	6	4	1	32	43	1	70	100.0%

		1	Bo	ats With W	akes	1		Boats #	lithout Wa	kes		1	Lake	Percent
LAKE/AREA		T		With		1	Beached					-	Area	of
Pelican		1	Other	Skilers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total	Total
	1	!	8	2	10	1	0	1	0	7	8	!	18	32.17
	2_	1	11	1	12	1	0	3	0	2	5	1	17	30.47
	3	; i	5	1	6	†	0	2	0	8	10	!	16	28.67
	4	1	0	0	0	1	0	0	0	2	2	1	2	3.67
	5	!	2	0	2	1	0	1	0	0	1	1	3	5.4%
Tot	al	!	26	4	30	-	0	7	0	19	26	!	56	100.07

APPENDIX I (cont.)
Boat Count by Area of Lake, Date and Type of Boating Activity

	!	Во	ats With W		<u> </u>	Boats W	lithout Wa	ikes	1	Lake
LAKE/	AREA !		With		: Beached				1	Area
Ada	. !	Other	Skiiers		Boats	Sailed	Canoe	Other	Total !	Total
	- 1	0	0		0	0	0	2	2 1	2
	2	2	0		0	1	0	4	5	7
	3 !	2	00		; 0	0	0	2	2 !	4
	TOTAL !	4	0	4	0	1	0	8	9 1	13
<u>Bay</u>										
	1 !	0	0	0	0	0	0_	. 8	8 !	8
	2 1	2	0		0	0	0	5	5 !	
	3	0	0	0 .	0 -		0	3	3 1	8 7 3 25
	4 :	<u>5</u>	0	5	. 0	0	1	19	20 1	<u>25</u>
	5 :		0		0	0	0	20	20	21
	6 !	0	00		0	0	0	7	7 !	7
	<u>/</u>	0	0	0		0	0	7	7	
	8 :	0	0	0		0	0	10	10 !	10
	9 !	1	0	1 1		0	0	2	2 1	3
	TOTAL !	9	0	9	0	0	1	81	82	91
Farm Isl	·									
	1	0 7	0	0 ; 3		0	1	14	15	15
	2 :	<u> </u>	0			0	0	26	26	29
	3 !		0	7	<del></del>	0	0	73	73 !	80
	4 ! TDTAL I	14	0	4		0	0	92	92 1	96
David II	TOTAL !	14	<u> </u>	14	0	<u> </u>	1	205	206	220
Roune (	Crow Wing)	•	Δ		۸	Δ	٨	40	10 1	50
	1 1	2	0	2 !		0	0	18	18 1	20
	2   TOTAL	<u>2</u>	0	2 1		0	0	<u>16</u> 34	16   34	<u>18</u> 38
Sandbar	IUIAL :		<u> </u>	<del></del>	<u>v</u>	UU	<u>V</u>	<del>۱۹</del>	<u> </u>	<u> </u>
Janubar	1 ;	0	0	0 :	0	0	0	4	4 }	4
	$\frac{1}{2}$ 1	<u>`</u>	0	1 1		0	. 0	<del></del> 6	6 1	7
	3	<del></del>	.0	3 1	0	· 0	0	2	2 1	5
	TOTAL I	4	0	4 :		0	0	12	12	16
Sylvan	101112									
<u> </u>	1 ! .	1	0	1 :	0	0	2	13	15	16
	2 1	1	0	1		. 0	<u>_</u>	7	8 :	9
	TOTAL :	<u>-</u>	0	2 1	0	0	3	20	23	25
Borden					<u> </u>					
	1 1	0	0	0 1	0	Ů	2	14	16 1	16
	2	1	0	1 :	0	0	0	3	3	4
	3 1	1	0	1 1	0	0	0	10	10	11
	TOTAL :	2	0	2 1	0	0	2	27	29	31
Clearwat	ter									
	1 !	1	0	1 1	0	. 0	0	5	5 ;	6
	2	1_	0	1 1		0	0-	9	9	10
	TOTAL !	2	0	2 1	0	0	0	14	14	16
Inquador	<u>1a</u>									
	1	. 0	0	0 :	0	0	0	13	13	13
	2 !	<u> </u>	0	1 1		0	0	13	13	14
	3 !	1	00	1 !	· 0	0	00	3	3	4
	TOTAL :	2	0	2 1	0	0	0	29	29	31
Round (A									_	
	TOTAL :	0	00	0 1	0	0	0	2	2 1	2

1	Bo	ats With W	akes		Boats k	lithout ₩a	kes	!	<u>Lake</u>
LAKE/AREA		With		Beached					Area
Ada :	Other	Skiiers	Total	Boats	Sailed	Canoe	Other	Total !	Tota
1 1	1_	0		1 0	0	0	0	0 1	
2 1	<u>l</u>	0		0	0	0	6	6 1	
3 !		0		. 0	0	0_	0	0 !	
TOTAL :	3	0	3	0	0	0	6	6 1	
<u>Bay</u>		۸	1		۸	۸	,	, ,	
2 1	<u>1</u> 0	0		l 0 l 0	0	0	<u>6</u> 3	<u>6</u>	
3 1	0	0	0	0	0	0	<u></u>	<u> </u>	
4 1	2	0		. 0	0	0	3	3	
5 ¦	0	0		0	0	0	0	0 1	
6 1	2	0		0	0	0	5	5 1	
7 ;	0	0		0	0	. 0	3	3 1	
8 !	0	0		0	0	0	7	7 1	
9 1	0	0		0	Ô	0	2	2 1	
TOTAL :	5	. 0		0	0	0	34	34 1	3
arm Island									
1 1	i	. 0	1	0	0	0	10	10 1	1
2 1	2	0	2	0	0	0	19	19 ;	. 2
3 !	1	0	1	0	0	0	9	9 1	10
4 1	1	0	1	0	0	0	11	11 !	1
TOTAL :	5	0	5	0	0	0	49	49	54
Round (Crow Wind	1)				•				
1 !	0	0	0 :		00	0	1	1 :	
2 !	1_	0	1 1		0	0	2	2 1	
TOTAL :	1_	0	1	0	0	0	3	3 1	
andbar									
1 !	3	0	3 1		0	· 0	3.	3	
<u>2 1</u> 3 1.	0	0	0		0	0	2	2 1	
<u>, , , , , , , , , , , , , , , , , , , </u>	2	0	2 !	0	0	0	1	1 1	- 3
TOTAL !	5	0	5 !	0	0	0	<u>6</u>	6 1	11
<u>Sylvan</u>	٠.	٨	۸ ۱	۸	٨	^	,	, ,	,
2	<u>0</u>	0 0	0 !		0	<u> </u>	<u>6</u> 1	6 1	
TOTAL :	1	0	1 1		0	0	7	7	
orden .	<u> </u>	- U	<u> </u>	<u> </u>					
1	2	0	2 1	0	0	0	1	1 !	7
2 1	0	0	0 ;		0	0	3	3	
3	0	0	0 1		0	0	9	9 1	9
TOTAL :	2	0	2		0	0	13	13	15
learwater	<del>-</del>	<u>.</u>							
1 1	0	0	0 :	0	0	0	4	4 ;	4
2 1	0	0	0 }		0	0	4	4 !	ı
TOTAL I	0	0	0 1		0	0	8	8 !	8
inquadona									
1 1	1	. 0	1	0	0	0	3	3 !	4
2 1	0	0	0 }	0	0	0	4	4 !	4
3 :	0	0	0 !		0	0	1	1 !	1
TOTAL !	1	0	1 1	0	0	0	8	8 :	9
lound (Aitkin)						_			
TOTAL :	0	0	0 ;	0	0	0	5	5	5

DATE: June 19,1	985 - <b>W</b> ec	<u>Inesday</u>			4		•	•	
1	Ва	ats With W	akes	t I	Boats	Without Wa	kes	!	Lake
LAKE/AREA !		With		: Beached					Area
Ada i	Other	Skiiers		! Boats	Sailed	Canoe	Other	Total :	Total
1- 1	0	00		! 0	0	0	3	3 !	3
2 !	0	0		1 0	1	. 0	4_	5 :	5
3 1	0	0	0	1 0	0	0	2	2 1	. 2
TOTAL :	0	0	0	0	1	0	9	10	10
Bay	_				_	_	_		_
1 !	0	0		! 0	0	00	2	2 :	2
2 1	0	0		1 0	0	0	0	0 !	
3 1	2	1		1 0	0	0	11_	1 - 1	4
4	0	0	<del></del>	: 0	0	1	2	3 1	<u>`</u>
5 :	1	0		1 1	0	0	0	1 1	3 2 2 2
6 1	1	0	<del>_</del>	! 0	0	0	1	1 !	
7 1	0	0	0	1 0	0	1	1	2 1	
<u>B ;</u>	0	0	0	1 0	0	0	1	1 1	
7074	0	0		1 0	0	<u>0</u> 2	4	4	4
TOTAL	4	i_	5	11	0		12	15 1	20
Farm Island		۸	4		۸	۸	-	<b>a</b> 1	7
1 1	1 2	0		! . 0	0	0	2	2 1 8 1	3 10
2 1	0	0	0	: 0 : 0	- 0	0	8 4	4 1	10
3 1		0		; <u> </u>	0	0	4	4 1	5
TOTAL I	1 4	0	4	1 0	0	0	18	18 1	22
TOTAL 1		<u>V</u>	*	ı V	<u>V</u>	<del></del>	10	10 i	
Round (Crow Win		۸	. Δ		۸	Δ .		2 1	
1 i	0	0	0		0	0	2		2
Z i	0	0	0	<u> </u>	0	0	<u>6</u> 8	<u>6  </u> 8	<u>6</u> 8
TOTAL !	U	<u> </u>	<u> </u>	<u> </u>	<u> </u>	U		<u> </u>	
Sandbar 1 :	0	0	0	. 0	0	0	6	6 1	L
$\frac{1}{2}$	0	0		. <u>v</u>	0	0	1	1 1	<u>6</u>
3 !	0	0	0 1		0	. 0	3	3 1	3
TOTAL :	0	0	0		. 0	0	10	10	10
Sylvan				<u> </u>	V	<u>_</u>	10		
1	2	0	2	10	0	0	2	2	4
2	1	0		1 0	0		6	6 1	7
TOTAL :	3	0	3 1		0	0	8	8 1	11
Borden		<u>`</u>			<u>×</u>				
1 /	0	0	0 ;	. 0	0	0	0	0 1	0
2	1	0	1	<del></del>	0	0	2	2 1	0 3 3 6
3	1	0	1		0	0	2	2 1	3
TOTAL :	2	0	2		0	0	4	4 1	<u></u>
Clearwater				·	<u>v</u>	<u>¥_</u> _		<del></del>	
1 !	0	0	0 :	0	0	0	5	5	5
2	0	0	0		0	0	1	1 !	1
TOTAL !	0	0	0 1		0	0	6	6 1	6
Inquadona		<u></u>	<u></u>						
1 !	1	0	1 1	0	. 0	0	4	4 1	5
2 1	0	0	0 1		0	0	<u> </u>	1 1	1
3	0	0	0 1		0	<u>v</u>	0	0 1	0
TOTAL :	1	0	1		0	0	5	5 !	<u>6</u>
Round (Aitkin)		v		· · · · · ·	<u> </u>	<u>v</u>		<u> </u>	<u>c</u>
TOTAL !	1	0	1 1	0	0	0	1	1 !	2
IUIAL I	<u>i</u>		1 1	<u> </u>	<u> </u>	V	1	<u> </u>	<del></del>

APPENDIX I (cont.)
Boat Count by Area of Lake, Date and Type of Boating Activity

DATE:	June 29, 1	985 - Sat	urday							
	1	Boa	ts With W	akes '		Boats	Without Wa	ikes	<u> </u>	Lake
LAK	(E/AREA		With		! Beached				!	Area
Ada	<u> </u>	Other	Skiiers		! Boats	Sailed	Canoe	Other	Total !	Total
	1 !	<u> </u>	00		1 0		0	1	1 !	2
	2 1	3	0		1 0	0	0	2	2 1	5
	3 !	0_	0	0	1. 0		0	1	1 !	1
	TOTAL !	4	0	44	1 0	0	0	4	4 1	8
<u>Bay</u>										
	1 !	1	0		: 0	0	0	6	6 1	7
	2 !	1	. 0		1 . 0		0	2	2 1	3
	3 !	5	0		1 0		0	1	1 1	6
	4	1_	0		! 0		0	5	5 !	6
	5 !	00	0		1 0	0	0	1	1	<u>i</u>
	6 1	3	0		1 0	0	0	4	4 !	7
	7 :	0	0	0 -		0	1	3	4 !	4
	8 !	1	0		0	1	1	1	3 1	4
	9 !	0	0	0	1 0	0	0	1	1 !	<u> </u>
	TOTAL !	12	0	12	1 0	1	2	24	27	39
Farm	Island									
	1 :	0	0	. 0	! 0	Ů	1	77	8 !	<u>8</u> 7
	2 1	1	0	1	: 0	0	0	6	6 ;	7
	3 !	1	0		0	0	0	. 4	4	<u> </u>
	4 1	00	0	0	! 0	00	0	7	7 !	7
	TOTAL !	2	0	2	0	0	1	24	25 l	27
Round	(Crow Wing)	<u>)                                    </u>								
	1 !	0	0	0	0	. 0	. 0	9	9 !	9
	2 :	4	0	4	! 0	0	0	2	2 1	6
	TOTAL :	4	0	4	0	0	0	11	11 1	15
Sandb	<u>ar</u>		*							
	1 !	0	0	0	1	1	0	7	9 1	9
	2 :	0	0	0	0	0	0	2	2	2 .
	3	Ō	0	0	0	0	0	<u> </u>	1	1
	TOTAL !	0	0	0	1	1	0	10	12	12
Sylva	<u>n</u>									
	1 1	1	0	· 1	0	0	1	3	4 :	5
	2	1	1	2	0	1	1	9	11 !	13
	TOTAL :	2	1	3	0	1	2	12	15	18
Borde	n									
	1 !	1	0	1 1	0	0	0	4	4 :	5
	2 !	0	0	0	0	0	0	1	1 1	i
	3 !	1	0	1	0	0	0	3	3 ;	4
	TOTAL !	2	0	2		0	0	8	8 :	10
Clear							i			
	1 1	2	0	2	0	0	0	2	2 1	4
	2 1	1	0	1		0	0	2	6	7
	TOTAL	3	0	3 1		0	0	4	8 1	11
Inqua										
111444	1 !	2	0	2	. 0	0	0	11	11 ;	13
	2	0	0	0		1	0	6	7 ;	7
	3 1	1	0	1 1		0	0	0	0 1	1
	TOTAL :	<u>1</u>	0	3 1		1	0	17	18	21
Round	(Aitkin)	Ų.	v	<u> </u>	V		v		10 1	
	TOTAL 1	1	0	1 ;	. 0	0	0	4	4 !	5
	TOTAL I	<u>i</u>		<u> </u>	- V	U			7 1	

DATE: July 13,	1985 - Satu	rday			•				
!		s With W	akes		Boats W	lithout Wa	kes	!	Lake
LAKE/AREA !		With		Beached				-	Area
Ada !	Other S	kiiers	Total	Boats	Sailed	Canoe	Other	Total !	Total
1 1	3	0		. 0	0	0	0	0 1	3
<u>2- 1</u>	11	11	2		0	0	6	6 1	3 8 4
3 !	2	0		1 0	0	. 0	2	2 1	
TOTAL :	6	1	7	0	0	0	8	8 !	15
<u>Bay</u>							_		
1 !	1	0	1		. 0	0	5	5 !	6
2 !	<u>1</u>	0	1		0	0	0	0 1	
3 !	3	0		0	0	0	4	4. 1	7
4 !	1	2	3		00	0	3	3 !	6
5 !	3	0	3		0	0	6	<u> 8 !</u>	11
6 1	1	0	1		0	0	4	3 1	5 5
7	1	1	2 1		0	2	1		11
<u>B :</u>	2		3		2	0	<u>6</u> 2	8 ! 2 !	5
7 1 TOTAL 1	2 15	<u>1</u> 5		0 2	<u>0</u> 2	<u>0</u> 2	31	37 1	57
	1J	<u> </u>		1 4	<u></u>		- 31	<u> </u>	<u>J/</u>
Farm Island	. Δ	2	2	2	0	0	7	9 !	11
<u>1                                    </u>	<u>0</u> 3	0	3 1		0	0	9	9 1	12
3 1	<u>J</u>	0	4	. 0	0	0	5	<del>-                                    </del>	
4 1	2	0	2 :		<u> </u>	0	10	11	13
TOTAL :	9	2	11		<u> </u>	0	31	34	45
Round (Crow Wing									
1 !	3	1	4 ;	0	- 0	2	7	9 1	13
2 1	B	0	8		4	0	11	15	23
TOTAL !	11	i	12		4	2	18	24	36
Sandbar	<del></del>					<del></del>			
1 !	3	0	3 ;	0	0	0	6	6 1	9
2 1	1	0.	1 !	0	0	0	2	2 1	3
3 !	1	2	3 !	0	0	0	5	5 :	8
TOTAL !	5	2	7	. 0	0	0	13	13	20
Sylvan									
1 !	4	0	4 !	0	0	0	4	4 !	8
2 !	1	1	2 1	0	2	1	5	. 8 ;	10
TOTAL !	5	<u> </u>	6 1	0	2	1	9	12	18
Borden									
<u>1 1</u>	1	0	1 1		0	00	44	4 ;	5
2 1	00	0	0 :		0	0	7	7	7
3 !	1	<u> </u>	2 !		0	0	2	2 !	4
TOTAL !	2	11	3	00	0	0	13	13	16
<u>Clearwater</u>									
1 !	0	0	0 1	0	0	0	1	1 !	
2 !		0	1 !	<u>_</u>	1	2	4	7 1	8
TOTAL !	1	0	1 !	0	i_	2	5	8 !	9
Inquadona									_
1 1	1	0	1 !		0	0	4	4 !	<u>5</u> 2
2 1	0	0	0 1		0	0	2	2 1	
3 1	0	00	0		0	0	1 7	1 :	1
TOTAL 1	1	0	1 !	0	0	0	7	7 1	8
Round (Aitkin)	۸				^	Δ.	,	, 1	-
TOTAL :	0	1	1 !	00	0	00	6	6 !	7

APPENDIX I (cont.)
Boat Count by Area of Lake, Date and Type of Boating Activity

<u>!</u>	DU	ats With W	dve2		BOBLS !	Vithout Wa	1.63		Lak
LAKE/AREA !		With		Beached					Are
Ada !	Other	Skiiers	Total !	Boats	Sailed	Canoe	Other	Total !	Tot
1 !	0	0	0	0_	0	0	0	0 !	
2 1	0	0	0 :		0	0 -	4	4 1	
3	0	0	0	0	0	0	1_	1 1	
TOTAL :	0	0	0	0	0	0	5	5 1	
<u>Bay</u>									
1 !	0	00	0		0	0	8	8 ;	
2 !	0	0		. 0	0	. 0	1 :		
3 !	2	0	2		0	0	3	3 - 1	
4 :	1	0	1		0	0	2	2 !	
5 :	1	0	1 1		0	0.	0	0 ;	
6 !	0	0	0		1	00	3	4 !	
7 !	0	0	0 1		0	00	0	0 1	
8 :	1	0	1		0	00	2	5	
9 !	0	0	0 :		00	0	0	0 1	
TOTAL !	5	0	5 1	3	1	0	19	23	
Farm Island									
1 !	1	0	1 !	0	1	0	4	5 !	
2 !	2	0	. 2	0	0	0	0	0 1	
3	0	0	0 1	0	0	0	1	1 !	
4 !	0	0	0 :	0	. 0	0	1	1	
TOTAL !	3	0	3 !	0	i	0	6	7	
Round (Crow Wing)									
1 1	- 0	0	0 ;	0	0	0	3	3 1	
2	0	0	0 1	0	0	1	3	4	
TOTAL :	0	0	0 1	0	0	1	6	7	
Sandbar		**************************************							
1 !	1	0	1 1	0	0	0	2	2 1	
2	0	0	0 ;	0	0	0	1	1	
3 1	0	0	0 1	. 0	. 0	0	1	1 1	
TOTAL !	1	0	1 :		0	0	4	4	
Sylvan		-	•	<u>~</u>				·	
1	1	0	1 1	0	0	0	1	1 }	
2 1	2	0	2		0	1	1	2	
TOTAL !	3	0	3 1	0	<u>_</u> _0	<del></del> 1	<del></del> 2	3 1	
Borden		<u>v</u>	<u> </u>	<u>v</u>	<u> </u>	<u>.</u>			
1 1	0	0	0 :	0	0	0	3	7 1	
	0	0	0 1		0	0	0	0 !	
<u>2                                       </u>	0	<u>v</u>	0 1		0	0	0	0	
TOTAL 1	0	0			0	0	3	3 !	
	U	<u> </u>	0 ;	0	<u>v</u>	- v	<u> </u>	<u> </u>	
<u>learwater</u>	۸	۸	Λ. 1	۸	٨	۸	۸	Λ 1	
1 1	0 2	0	0 !	0	0	0	0	0 1	
2 1	2	0	2 i			0	0	0 1	PA
TOTAL :			<u> 2 i</u>	0	0	0	<u> </u>	<u> </u>	
nguadona							,		
1 1	0	1	1 1	0	0	<u> </u>	<u> </u>	1	
2 !	0	0	0 !	0	0	0	2	2 !	
3 !	0	0	0 1	0	0	0	0	0 1	
TOTAL :	0	1	1 !	0	0	0	3	3 1	
ound (Aitkin)		•							
TOTAL !	0	0	. 0 !	0	0	0	1	1 !	

1	Boa	ts With W	akes	!		Boats i	lithout Wa	kes	1	Lake
LAKE/AREA !		With		1						Area
Ada !		Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total !	Tota
1	0	0	0	1	0	0	0	0	0 !	· · · · · · · · · · · · · · · · · · ·
2 1	2	1	3	<u> </u>	. 0	1	0	3	4 1	
3 !	0	0	0	1	0	0	0	0	0 1	
TOTAL !	2	1	3	<u> </u>	0	1	0	3 -	4 !	
Bay			_				•			
1 1	4	1	5_	<u>.</u>	0	1	0	4	5 !	1
2 1	<u>2</u> 1	0	2	1	0	0	0	<u>2</u> 5	7 1	
3 1	7	1	1 0	+	0	2 2	0	<u></u>	3 1	
<del>1</del> 1	2	1	8	<u>i</u>	0		0	3		1
5 !	<u>2</u> 3	<del></del>	<u>S</u> 4	<u> </u>  -	0	0	. 0	ა ვ	3   3	-
<u>6 ;</u> 7 ;	<u> </u>	0	0	1	0	0	0	<u>ა</u> 1	1 1	
<del>/                                    </del>	7	0	<u>U</u> 7	1	0	1	0	3	4 ;	1
9 ;	0	0		1	0	0	0	<u>ა</u> 2	2 !	
TOTAL :	26	4	30	1	0	6	. 0	24	30 1	6
Farm Island		<u></u>	30		<u> </u>		. V		1 10	0
1 !	2	2	4	;	0	1	0	5	6 !	1
2 1	3	<u>÷</u> 1	4	<del>-</del> -	0	3	0	3	6 1	i
3 1		0	3	<del> </del>	0	0	1	. 4	5 !	
4	4	<u>v</u> 1	<u>-</u> 5	<del> </del>	0	0	0	4	4 ;	
TOTAL I	12	4	16	<del> </del>	0	4	<u>v</u>	16	21	3
Round (Crow Wing)		7	10	<u>'</u>	<u>v</u>		<u>+</u>	10		
1 1	1	0	1	† 1	0	1	0	5	6 1	
2 1	2	1		1	0	0	0	12	12	1
TOTAL :	3	<u> </u>	4	!	0	1	0	17	18	22
Sandbar				<del>'</del>			<u>_</u>	**		
1	2	1	3	1	0	0	0	1	1	i
2	2	1	3	<del>:</del>	0	2	· 1	6	9 1	1
3 1	0	0	. 0	!	0	0	0	0	0 1	(
TOTAL :	4	2	6	<u>;</u>	0	2	1	7	10 ;	10
Sylvan	<del></del>			••-	<del></del>	<del></del>				
1	3	0	3	1	0	0	0	6	6 ;	C
2	1	1	2	1	0	0	1	5	6 !	{
TOTAL	4	1	5	!	0	Û	1	11	12	17
Borden										
1	0	0	0	!	0	0	0	1	1 :	. 1
2	0	0	0	1	0	0	0	1	1 !	
3 1	0	0	0	!	0	0	1	1	2 1	7
TOTAL !	0	. 0	0	1	0	0	1	3	4	1
Clearwater										
1 1	1	0	1	1 1	0	0	0	1	1 1	7
2	0	0	0	1	0	0	0	2	2	7
TOTAL :	1	0	i	!	0	0	0	3	3 !	4
Inquadona										
1	1	0	1	!	0	0	0	1	1	2
2 1	0	0	0	ł i	0	0	0	0	0 1	(
3 1	0	0		1	0	0	0	0	0 1	0
TOTAL 1	1	0	1	1	0	0	0	1	1 1	7
Round (Aitkin)										
TOTAL :		2								

APPENDIX I (cont.)
Boat Count by Area of Lake, Date and Type of Boating Activity

!		s ₩ith ₩	akes !		Boats W	ithout Wa	kes	!	Lake
LAKE/AREA !		With	<u> </u>	Beached					Area
		<u>kiiers</u>	Total !	Boats	Sailed	Canoe	Other	Total !	Tota
1 !	3		4 :			0	2	3 1	
2 !	2	• 0	2 1		1	0	0	1 :	1
3		0	1 ; 7 ;	0	0 2	0	2	2	
TOTAL :	6	1	7 !	<u> </u>		<u> </u>	4	6 1	1
<u>Bay</u>	1	1	2 !	0	0	0	5	5 (	
1 1 2 1	0	0	0 1		0	0	- 3	3 1	
3	2	1	3 1	0	2	0	0	2 1	
4 !	7	<del></del> -	10	0	0	<u>_</u>	3	4 ;	1
<del>: :</del>	6	0	6 1		<u>i</u>	0	5	6 1	1
6 :	2	1	3 1	0	1	0	1	2 1	
7 1	4	0	4 :		0	0	1	1 1	1
8 ¦	- 0	0	0 1	0	1	0	5	6 1	
9	0	1	1 1		0	0	0	0 1	
TOTAL :	22	7	29 1		5	1	- 23	29	5
arm Island					<del></del>				
1	0	2	2 1	0	1	0	3	4 ;	
2	1	0	1 1	0	0	.0	10	10	1
3 1	3	0	3 !	0	0	0	9	9 1	1
4 !	1	0	1	0	1	0	16	17	1
TOTAL !	5	2	7	0	2	0	38	40 1	4
Cound (Crow Wing)									
1 1	2	0	2 1	0	0	0	4	4 :	
2 !	2	0	2 1	0	1	0	7	. 8 1	1
TOTAL :	4	0	4 1	0	1	0	11	12	1
iandbar									
1 1	2	0	2 1	0	1	0	1	2 !	
2	1	111	2	0	0	0	1	1	
3 †	i	0	1	0	0	0	5	5	
TOTAL :	4	1	5	0	1	0	7	8 ;	1
<u>ylvan</u>									
1 !	3	0	3 !	0	2	1	2	5 1	
2	4	1	5	0	0	0	5	5 !	1
TOTAL :	7	1	8 :	0	2	1	7	10 !	18
lorden									
1 :	11	0	1 !	0	0	0	3	3 1	
2	0	0	0 !	0	0	0	1	1	
3 !	2	0	2 1	0	0	0	1	1 1	{
TOTAL :	3	00	3 1	0	0	0	5	5 1	{
<u>learwater</u>									
1 1	0	0	0 1	0	0	1	2	3	
2 1	00	0	0 1	0	0	0	3	3	
TOTAL !	0	- 0	0 !	0	0	1	5	6 1.	
nquadona									
1 1	0	1	1 !	0	11	0	0	1 1	
2 1	2	0	2 1	0	0	0	1	1	
3	0	0	0 ;	0	0	0	1	1 1	1
TOTAL :	2	1	3	0	1	. 0	2	3 1	ŧ
ound (Aitkin)									
TOTAL :	<u>i</u>	0	1 !	0	0	0	3	3 !	4
		V							

DATE:	August 1	5, 1985 -	Thursday							
	} i		ats With	lakes	<u> </u>	Boats	Without W	akes		Lake
LAK	E/AREA .!		With		! Beached					. Area
Ada	!	Other	Skiiers	Total	! Boats	Sailed	Canoe	Other	Total :	Total
	1 1	0	<u> </u>	11	1 0	0	0	2	2	3
	2 1	0	1	1	1 0	0	0	6	6 1	7
	3 !	0	0	0	1 0	0	0	0	0	
	TOTAL !	0	2_	2	1 0	0	0	8	8 !	10
Bay										
	1 !	0	0	0	1 0	0	0	5	5 ;	5
	2 1	0	0	0	1 0	0	0	0	0 1	0
	3 1	2	11	3	1 0	0	0	3	3 !	
	4 :	4	2	6	1 0	0	4	0	4 :	10
	5 :	1	0	1	1 0	0	0	0	<u> </u>	<u> </u>
	6 !	1	0	1	1 0	0	0	1	1 1	<del>-</del>
	7	1	0		· · · ·	0	0	- 2	2 !	3
	8   9	2	0	2	1 0	0	0	3	3 1	0
	TOTAL :	0 11	<u>0</u> 3	0 14	1 0	0	<u>0</u>	0 14		
Farm 1		11	<u> </u>	14	<u>1 U</u>	<u> </u>		14	18 !	32
rdi ii	15141111	0	0	۸	1 0	. 0	0	4	4 }	A
	$\frac{1}{2}$	0	0	0	1 0	0	0	<u>4</u> 5	5 1	<del></del>
	3 1	<del></del>	0		1 0	0	0	4	4 1	<u>_</u>
	<u> </u>	0	0	0	1 0	0	0	2	2 1	2
	TOTAL I	1	0		1 0	0	0	15	15	
Round	(Crow Wir		· · · · · · ·		1		<u>×</u> _	10	10 1	
	1 1	3	1 -	4	. 0	0	0	. 4	4 ;	8
	2 1	2	1	3	1 0	1	0	9	10	13
	TOTAL I	<u></u>	2		1 0	<u>i</u>	0	13	14	21
Sandba					<del>`</del> <del>-</del>	······································	······	<del></del>		
	1	0	0	0	. 0	0	0	2	2 1	2
	2 1	0	0	0	1 0	0	1	1	2 :	2
	3	1	0	1	0	0	0	2	2	2 2 3 7
	TOTAL !	1	0	1.	0	0	1	5	6 1	7
Sylvan										
	<u>1 !</u>	1	0	1	0	0	0	3	3 !	4
	2 1	. 3	2	5	! 0	1	Û	4	5 ¦	10
	TOTAL :	. 4	2_	6	0	11_	0	7	8 ;	14
Border	1									
	1 !	.0	0	0		0	0	1	1 !	1
	2	0	0	0		0	0	1_	1	
	3 !	0	0	0		0	0	2	2	2
	TOTAL !	00	0	0	! 0	0	0	4	4 !	4
Clearw										
	1 1	0	0	0		00	0	1	1 1	1
	2 !	.0	0	0		0	0	2	2 1	
	TOTAL !	00	0	0	0	0	0	3	3 1	3
Inquad										_
	1 1		0	1 !		0	0	6	6 1	<u>7</u> 5
	2	1	0	1		0	0	4	4 !	
	3 !	<u>0</u> 2	0	0 :		0	0	0	0 ;	0
	TOTAL: :		0	2	0	0	0	10	10 !	12
	(Aitkin)	4	Δ		۸	۸	۸	F	e :	,
	TOTAL !	1	0	1	0	0	0	5	5 1	6

DATE: Augus	it 25.									
	!	Bo	ats With W	lakes	} i	Boats b	lithout Wa	ikes	<u> </u>	Lak
LAKE/ARE/	1		With		: Beached					Are
Ada	! !	Other	Skiiers	Total	: Boats	Sailed	Canoe	Other	Total :	Tot
1		0	1	1	: 0	1	0	0	1 1	
3		1	0		1 0	0,	0	5	5 1	
3		1	0		1 0	0	0	2	2 1	····
<u>total</u>	<u>. !</u>	2	1	3	! 0	1	0	7_	8 !	
<u>Bay</u>									97 1	
]	<del></del>	0	1		: 0	1	1	1	3 1	
, 4		3	0		! 2	0	0	<u>0</u> 2	2 1	·
3		<u>8</u> 9	10		; <u>0</u> ; 0	<u>0</u>	0	2	4 1	
		<u>7</u>	1		1 0	2	<del>-</del>	<u>ź</u>	3 1	***
ě		2	0		: 4	0	0	<del>-</del> 1	5 1	
7		0	0		<del>, 7</del>	0	0	3	3 !	
2		4	0		1 0	0	1	2	3 1	
5		0	0		. 0	0	0	1	1	
TOTAL		27	- 3		1 6	5	2	13	26 1	
arm Island		<u> </u>			<u>'</u>					
1	- !	3	0	3	. 0	1	0	3	4 :	
2		1	1		. 0	0	0	3	3 1	
3		1	2		. 0	0	1	7	8 :	
- 4	1	2	0	<u>v</u>	0	0	2	7	9 1	
TOTAL	1		3	. 10	0	1	3	20	24	
Round (Crow	Wind	)			· · · · · · · · · · · · · · · · · · ·			<del></del>		******
1	1.	- i	0	1	. 0	0	0	4	4 1	
$\bar{z}$		1	0		0	0	0	7	7 1	
TOTAL	1	2	0	2	0	0	0	11	11 !	<del></del>
andbar										
<u>1</u>	1	0	1	1	0	0	0	_ 3	3 1	
2	<u> </u>	1	0	1	0	0	0	2	2 !	
3	-	3	0	3 :	0	0	0	1	1 1	
TOTAL	!	4	1	5	0	0	0	6	6 1	
<u>ylvan</u>			•							
<u>1</u>	!	2_	. 0	2 :	0	0	2	7	9 !	
2		1	0	1		0	0	<u> </u>	4 :	· · · · · · · · · · · · · · · · · · ·
TOTAL	<u>!</u>	3	0	3 :	0	0	2	11	13	
orden		_								
1	<u> </u>	0	0	0 ;	0	0	0	6	6 1	
2		1_	0	1		0	0	1	1 !	
3	<u>.</u>	0	.0	0 !		0	0	2	2 1	
TOTAL	<u> </u>	1	0	1	0	0	0	9	9 !	
<u>learwater</u>		^	^	A 1		٥				
1		0	0	0 !		0	0	4	4 1	
<u>2</u>	1	0	0	0		0	0	2	2 1	
TOTAL	!	0	0	0 :	0	0.	0	6	6 !	·
nguadona •	,	9	۸	י פ	٥	Λ	۸	4	1 !	
1	<u> </u>	2	0	2 ! 0 !	00	00	00	<u>1</u> 11	11 1	
<u>2</u> 3	<u>i</u>	0	0	1 1		0	0	<u>i</u>	11 1	
೨ TOTAL	<u> </u>	<u>1</u>	0	3 i		0	0	13	13	
ound (Aitk		<u> </u>	<u> </u>	<u>J</u>	<u> </u>	<u>v</u>	v	10	13 1	-
TOTAL	1 1	2	0	2 :	0	0	0	7	7 :	
TUTHL	1	<u>£</u> _	V	4 1	V.	<u>v</u>	<u> </u>		/ 1	

DATE: May 1	18, 1985 -	- Sat	urday						•		
			Boats	With Wak	!		Boats b	lithout Wa	kes	1	Lake
LAKE/ARE/	١.	!	With		i i	Beached				1	Area
Clark			Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total !	Total
	1	0	1	1	!	0	. 0	0	2	2 1	3
	2 1	1	0	111	1	0	0	0	1	. 1 !	2 5
	TOTAL		11	2	1	0	. 0	0	3	3	<u>5</u>
Emily/Mary	!	-									
	1 !	4	0	4	!	0	0	0	39	39	43
	2	2	1	3	;	0	0	00	16	16	19
	Total !	6	!	7	1	0	10	0	55	55 ;	62
Little Boy		<u> </u>									
	1 1	0	0	0	I I	20	0	0	10	30 !	30
_	2 :	*	0	4	1	0	0	0	13	13	17
	3 !	1_	0	1	!	. 0	0	0	15	15	16
	TOTAL :	5	0	5	1 1	20	0	0	38	58	63
Nord	!	-									
	1 1	0	0	0	!	- 3	0	0	4	7 !	7
	2 1	0	0	0	1	0	0	0	1	. 1 1	1
	TOTAL !	0_	0	0	!	3	0	0	5	8 !	8
Waukenabo		-									
	TOTAL !	4	0	4	!	3	0	0	33	36 1	40
Esquaqamah	!										
	TOTAL :	0	0	00	1	4	0	00	17	21	21
Hattie	<u> </u>										
	1 1	0	0	0	i	0	0	0	1	1	1
	2 1	1	0	1	!	0	0	0	5	5	<u>6</u>
	3 1	0	0	00	1	0	0	0	0	0 1	0
	4 !	00	00	0	i i	0	0	0	2	2	2
	5 !	0	0	0 ·	!	0	0	0	0	0 1	0
	TOTAL !	1_	0	1	i i	0	0	0	8	8 ;	9
Moccasin											
	TOTAL !	0	0	0	1	3	0	0	- 3	6 1	6
O'Brien	- 1										
	1 !	0	0	0	!	0	0	0	0	0 !	0
	2 !	0	Ò	. 0	1	0	0	0	2	2	2
	TOTAL :	0	0	0	!	0	0	0	2	2	2
*											

DATE: June	1, 1985		ats With W	labar	1		المعامدة	ithout Wa	bar	ı	Lake
LAKE/ARE/	7	DU.	With	idkes	<u> </u>	Beached	DUGES W	ILIIUUL #a	1465		Area
Clark	!	Other	Skiiers	Total	÷	Boats	Sailed	Canoe	Other	Total !	Total
	1	0	0	0	1	0	0	0	0	0 1	0
	2		0	0	1	0	0	0	0	0 1	0
	TOTAL	0	0	0	!	0	0	0	0	0 :	
Emily/Mary	!										
	1 !	0	0	0	!	0	0	0	6	6 :	. 6
	2	0	0	0	!	0	0	0	1	1 !	1
	Total :	0	0	0	ļ	0	0	0	7	7 1	7
Little Boy	!										
	1	1	0	1	1	0	0	0	1	1 !	2
	2	0	0	0	!	0	0	0	1	1 !	1
	3	0	0	0	!	0	0	0	2	2 1	2
	TOTAL :	1	0	1	1	0	0	0	4	4 :	<u>2</u> 5
Nord	1 1										
	1 !	1	0	1	i i	0	0	0	8	8 :	9
	2 1	0	0	0	!	0	0	0	2	2	2
	TOTAL :	1	0	1	1	0	0	0	10	10	11
₩aukenabo	!									•	
	TOTAL :	0	0	0	1	0	0	0	15	15	15
Esquaqamah											
	TOTAL !	0	0	0	1	0	0	0	. 8	8 :	8
<u>Hattie</u>	!										
	1 !	00	0	0	1	0	0	0	2	2 :	2
	2 1	0	0	0	1	0	0	0	1	1 1	1
	3 1	0	0		1	0	00	0	0	0 1	0
	4 !	0	0	0	!	0	0	0	.0	0 1	0
	5	· ·	0	0	!	0	. 0	0	1	1 1	1
	TOTAL !	0	00	0	!	0	0	0	4	4 !	4
Moccasin	!										
	TOTAL !	0	0	0	!	0	00	1	0	1	1
<u>O'Brien</u>	1			-							
	1 1	0	0	0	1	0	0	0	0	0 1	0
	2 1	0	0	0	1	. 0	0	0	2	2 1	2
	TOTAL !	0	0	0	!	0	0	0	2	2	2

DATE: June	19,1985 -									,	
1 41/2 (452	. !	Вс	ats With W	lakes -	<u>!</u>		Boats #	lithout Wa	ikes	<u> </u>	<u>Lake</u>
LAKE/ARE	<u>A i</u>	D+ h = =	With	T-1-1	<u>;</u>	Beached	0-11-4	C	044	T-4-1 1	Area
Clark	· · ·	Other	Skiiers 0	Total	<del>-</del>	Boats 0	Sailed	Canoe	Other	Total :	Total
	2 !	0	0	0	+		1	0	1	2	2
	TOTAL :	0	0	0	1	0	0	0	2	3 1	<u>1</u> 3
Emily/Mary		<u>v</u>	V	0	1_	<u>v</u> _		<u> </u>		<u> </u>	<u> </u>
EMITA/URLA	1 1	. 1	0	1	ı	0	0	0	6	6 }	7
	2 1	1	0	1	<u>;</u>	0	0	0	1	1 !	
	Total :	2	<u>0</u>	2	!	. 0	0	0	7	7.1	9
Little Boy			<u>v</u>			<u> </u>	<u> </u>	<u> </u>		1.1	
FILCIE BUY	1 1		0	. 0	ı	0	۸	0	•	2 (	2
	2 1	0	0	0	1	0	0	0	2 3	2   3	2 3
	3 :	0	0	0	1	0	3	0	<u>ა</u>		
	-	0	0	0	1	0			ა 8	6 !	<u>6</u> 11
Need	TOTAL !	<u>U</u>	<u>V</u>	v	<u> </u>	- 0	3	0	8	11 !	11
Nord		٨	۸	^		۸	۸	۸	7	7 1	7
	. <u>l i</u>	0	0	0	<u>i</u>	0	0	0	3	3 !	3
	2 !	0	0	0	<u>;</u>	0	0	0	0 3	<u>0  </u> 3	0 3
Ul	TOTAL !	<u> </u>	Ų	0	<u>i</u>	0	0	0	2	<u>) i</u>	
Waukenabo	TOTAL I		^	۸			٥	^	7		
<b>5</b>	TOTAL !	0	0	0	<u>i</u>	11	0	0	3.	4	4
Esquaqamah	TOTAL I	۸	۸	٠. ٠			۰	٥		0 1	
11-11:-	TOTAL !	0	0	<u> </u>	!	00	0	0	<u>, 2</u>	2 1	2
<u>Hattie</u>	<u> </u>	٥	٥						-		-
	<u>l i</u>	0	0	0	<u>i</u>	0	0	0	3	3 !	3
	2 i	1	0		<u> </u>	0	0	0	1	1	2
	<u>) i</u>	0	0	0	1	0	0	0_	1	1 !	1
	4 i	0	0	0	<u>i</u>	0	0	0	2	2 1	2
	<u> </u>	0	0		!	0	0	<u> </u>	0	0 1	0
<b>и</b>	TOTAL !	1	0	1	1	0	0	00	7	7 1	8
Moccasin	TOTAL I	^						•		<b>-</b> .	-
01D :	TOTAL !	0	0	0	i	2	0	0	1	3 !	3
O'Brien	<del></del>						,				
	1 1	0	0	0	<u>!</u>	0	0 .	<u>`</u>		1	
	4 1	0	0	0	!	0	0	0	1	<u>l i</u>	
	TOTAL :	0	0	. 0	1	0	0	0	2	2 1	2

DATE: June	<u> 29, 1985 -</u> !		<u>'</u> ats With W	lakes	!		Boats W	ithout Wa	kes		Lake
LAKE/ARE/	A 1		With		; Be	ached				]	Area
Clark	i i	Other	Skiiers	Total		oats	Sailed	Canoe	Other	Total :	Total
	1 1	1	0	1	1	0	0	0	0	0 ;	1
	2	0	0	0	!	0	0	0	1	1	1
	TOTAL !	1	0	1	1	0	0	. 0	1	1	7
Emily/Mary	!										
	1 1	1	0	1	i i	0	0	0	8	8 :	9
	2	3	0	3	1	0	0	0	2	2 1	
	Total !	4	0	4	!	0	0	0	10	10 1	14
Little Boy	1										
	1 1	0	0	0	1	Ô	0	0	2	2 !	2
	2	3	0	3	!	0	0	0	8	8 :	11
	3 !	0	0	0	1	Ú	0_	0	16	16	16
	TOTAL :	3	0	3	! !	0	0	0	26	26	29
Nord											
	1 !	0	0	0	!	0	0	0	2	2 1	2
•	2 !	0	0	0	!	0	0	0	. 0	0 !	0
	TOTAL 1	0	0	0	!	0	0	0	2	2 1	2
₩aukenabo	<u> </u>										
	TOTAL :	0	0	0	1	0	00	0	3	3 !	3
Esquagamah	<u>!</u>										
	TOTAL !	0	0	0	!	0	0	0	9	9 :	9
Hattie	<u> </u>										
	1 !	0	0	0	1	0	0	0	1	1 1	1
	2 !	00	0		!	0	1	0	33	4 !	4
	3	0	0		1	0	00	0	1	1 !	1
	4 ;	0	0	0	1	0	0	0	11	1 !	1
	5	0	. 0	<u>v</u>	!	0	1	0	11	2 1	<u>2</u> 9
	TOTAL :	0	0	0	;	0	2	0	77	9 1	9
Moccasin											
	TOTAL !	0	0	00	!	0	0	0	1	1 !	1
O'Brien	<u>!</u>										
	1 1	1	0		!	0	0	0	1	1 !	2
	2 !	1_	0		!	0	0	0	1	1 i	2
	TOTAL :	2	0	2	! !	0	0	0	22	2	4

DATE: July	13, 1985 -									
	1	Bo	ats With W	lakes	<u> </u>	Boats	lithout Wa	ikes		Lake
LAKE/ARE			With		! Beached					Area
Clark	!	Other	Skiiers	Total	! Boats_	Sailed	Canoe	Other	Total :	Total
	1 1	. 0	0	0	1 0	1	0	0	1	
	2 !	1	0	1	: 0	0	0	2	2 1	
	TOTAL :	1	0		1 0	1_	0	2	3 1	4
Emily/Mary	<u> </u>									
	1 1	0	0	0	1 0	. 0	0	6	6 !	6
	2	4	0	. 4	1 0	-1	0	3_	4 ;	<u> </u>
	<u>Total</u>	4	0	44	1 0	1_	0	9	10	14
<u>Little Boy</u>	!				•					
	1 !	0	0	00	1 0	0	0	0	0 1	0 8
	2 !	1	0	<u> </u>	! 0	0	0	7	7 1	8
	3 1	0	0	0	! 0	4	1	2	7 1	7
	TOTAL !	1	0	1	1 0	4	1	9	14	15
Nord	!									
	1 !	1	0	1_	! 0	0	00	3	3 !	4
	2 1	0	0	0	1 0	0	0	0	0 1	0
	TOTAL !	1	0	1	1 0	0	0	3	3 !	4
Waukenabo	1									
	TOTAL :	0	0	00	1 0	0	0	1	1 :	1
Esquagamah	- 1							•		
	TOTAL :	0	0	0	1 0	0	0	4	4 !	4
Hattie	1							·		
	1	1	. 0	1	1 0	0	0	1	1 1	2
	2	0	0	0	; 0	0	0	4	4 !	4
	3 !	0	0	. 0	1 0	0	1	4	5	5
	4 :	0	0	.0	: 0	0	0	0	0 !	0
	5	0	0	0	1 . 0	0	0	0	0 !	0
	TOTAL :	1	0	1	1 0	0	1	9	10	11
Moccasin	-1									
	TOTAL :	0	0	0	: 5	0	1	3	9	9
O'Brien	1		<del></del>		<del></del>	······································	<u>-</u>			<del></del>
	1 :	1	0	1	; 0	0	0	2	2	
	2	2	0	2	1 0	0	. 0	0	0 ;	2
	TOTAL !	3	0	3	1 0	0	<u>0</u> .	-2	2 1	5
	. 3 1116 1				·					<u>~</u>

DATE: July	23, Tuesda										
	1	Во	ats With W	akes		Boats W	lithout Wa	ikes		1	Lake
LAKE/AREA	1	,	With		Beached						Area
Clark		Other	Skiiers	Total	Boats	Sailed	Canoe	Other	Total	!	Tota:
	1 1	0	00		0	0	0	1	1	:	
	2 1	0	0	0	0	0	0	1	1		
	TOTAL !	0	0_	00	0	0	0	2	2	!	
Emily/Mary	1										
	1 !	0	0	0	0	0	0	2	2	!	
	2 !	. 0	0		0	0	0	0	0	1	
	Total !	0	0	0	0	0	00	2	2	1	
Little Boy	<u> </u>										
	1 1	0	0	0	0	0	0	2	. 2		
	2 !	0	0		0	0	0	0	0		1
	3 !	. 0	0	0	0	0	00	111	1	1 1	
	TOTAL !	0	0	0_	0	0	0	3	3	!	
Nord	i i										
	1 !	0	0	0	0	0	0	0	0	!	(
	2 1	0	0	0	0	0	0	0	0	i	
	TOTAL !	0	0	0	0	0	0	0	0	1	(
Waukenabo	!										
	TOTAL :	0	0	0 ;	0	0	0	2	2	1	
Esquaqamah	1										
	TOTAL !	0	0	. 0 :	0	0	0	3	3	1	
Hattie	1 1										
	1	0	0	0 ;	0	0	0	2	2	1	
	2 !	0	0	0	0	0	00	0	0	1	(
	3 . 1	0	0	0 :	0	0	. 0	0	0	1	(
	4 !	0	0	0	0	0	0	0	0	1	(
	5	0	0	0 !	Û	0	0	1	i	1	1
	TOTAL !	0	0	0	0	0	0	3	3	1	
Moccasin											
	TOTAL !	0	0	0 ;	0	0	00	111	1	1	<u> </u>
O'Brien	<u> </u>	-								•	
	1 !	1_	0	1	0	Û	0	1	1	!	2
	2	0	0	0 ;	0	0	0	0	0	1	2
	TOTAL 1	1	0	1	0	0	Q	1	1	!	2

DATE: July	28, 1985	- Sunday									
			ats With	Wakes	!		Boats (	√ithout W	akes		Lake
LAKE/ARE		!	With		! Beac						! Area
Clark		! Other	Skiiers	Total	! Boat		Sailed	Canoe	Other	Total	Total
	1	! 0	1	<u> </u>	1	0	0	0	0	0	1 1
		1 1	0	1	!	0	. 0	0	2	2	
	TOTAL	1 1	1	2	!	0	0	0	2	2	4
Emily/Mary	,	<u>!</u>									
	1	1 0	0	0	1	0	0	0	0	0 ;	0
	2	1 1	0	1	!	0	0	0	0	0	
	Total	1	0	1	!	0	0	0	0	0 {	1
Little Boy		1									
	1	111	0	1	f i	0	0	0	1	1 1	2
	2	: 0	0	0	!	0	0	0	1	1	1
	3	1	0	.1	!	0	0	0	2	2 1	3
	TOTAL	1 2	0	2	1	0	0	0	4	4	
Nord		] 									
	1	. 0	0	0	I I	0	0	0	1	1 1	1
	2	: 0	0	0	1	0	0	0	0	0 ;	0
	TOTAL	0	0 -		!	0	0	0	1	1 1	
Waukenabo	-			· ••••							
	TOTAL	0	0	0	!	0	0	0	2	2 !	2
Esquagamah		!		· · · · · · · · · · · · · · · · · · ·	<u> </u>		<del></del>		<del>=</del>	<del></del>	
	TOTAL	. 0	0	0	!	0	0	0	4	4 !	4
Hattie		!			• • • • • • • • • • • • • • • • • • • •		<u>`</u>			<del></del>	<del>-</del>
11.000	1	. 0	0	0	!	0	. 0	0	0	0 !	0
		; 3	0		1	-0	0	0	1	1 !	
	3 1	2	0	2	<u>:</u> !	0	0	0	0	0 1	2
	4	1 0	0	0	!	0	0	0	0	0 1	0
	5 :	0	0	0	!	0	0	0	0	0 1	
	TOTAL .	; 5	0	5	<u>.</u> !	0	0	0	1	1 !	
Moccasin	101111	<u>'                                     </u>			<u></u>				<del></del>	<u>i</u> i	
HOCCESTA	TOTAL	<u> </u>	0	1	!	0	0	0	2	2	3
O'Brien	101UF	!	<u></u>		1			V V	<u> </u>	4 1	<del></del>
O DI LEII	1 !	<u>'</u> 1	1	2	l i	0	0	0	1	1 :	3
	2		0		1	0	0	0	0	0 1	
	TOTAL :	<u> </u>	1		!	0	0	0	1	1 !	4
	IUINL I		1	J	1	<u> v</u>	U			11	

DATE: Augus	!		ats With W	akes		Boats W	lithout Wa	ikes	. 1	Lake
LAKE/AREA	1 -		With		Beached			o de la composición del composición de la compos	1	Area
Clark	!	Other	Skilers	Total		Sailed	Canoe	Other	Total !	Total
	1 !	0	0	0	0	0	0	0	0 1	0
	2 1	0	0	0	0	0	0	4	4 ;	4
	TOTAL :	0	0	0	0	0	0	4	4 1	4
Emily/Mary										
	1 1	1	0	1		0	0	1	1 1	2
	2 !	1	0	1		0	0	3	3 !	4
	Total !	2	0	2	0	0	0	4	4 :	6
<u>Little Boy</u>							,			
	1 !	0	0	0		0	0	3_	3	3
	2 1	2	0	2		1	0	9	10	12
	3 !	0	0	0		. 0	0	10	10 1	10
	TOTAL :	2	0	2	00	1	00	22	23	25
Nord	!									
	1 !	0	0	0		0	<u> </u>	6	6 !	6
	2 !	0	0	0		0	00	0	0 1	0
	TOTAL I	0	0	0	00	0	0_	6	6 }	6
₩aukenabo										
	TOTAL !	2	0	2	0	0	0	2	2 !	4
Esquaqamah	!									
	TOTAL !	0	0	0	0	0	1	5	6 1	6
Hattie										
	1 !	1	0	1		0	0	4	4 1	5
	2 1	1	0	1		0	0	4	4 :	5
	3 !	0	0	0		0	0	0	0 1	0
	4	0	0	0		0	0	0	0 1	0
	5	0	0	0		0	0	1	1 1	1
	TOTAL !	2	0	2	0	0	00	9	9 !	11
Moccasin	1					_	_			r 
	TOTAL !	1_	0	1 1	0	0	0	1	1 1	2
<u>O'Brien</u>				_		_				ē
	1 1	0	0	0 !		0_	0	1	1 1	1
	2 !	0	0	0		0	0	0	0 1	0
	TOTAL :	0	0	0	0	0	0	1	1 1	1

DATE: Augus	st 15, 1	985 -									
		<u>!</u>	Вс	ats With W		! !	Boats W	lithout Wa	kes	!	Lake
LAKE/AREA	<u>A</u>	1		With		: Beached				!	Area
Clark ·		1	Other	Skiiers	Total	! Boats	Sailed	Canoe	Other	Total !	Total
	1_	1	1	0		1 0	0	1	5	6 }	7
	2_	1	1	0		1 0	0	0	0	0 1	1
	TOTAL	!	2	0	2	1 0	0	1	5	6 !	8
Emily/Mary					•						
	1_	!	0	0	0	! 0_	0	0	2	2 !	2
	2	1	1	0	1	1 0	0	0_	3	3	4
	Total	!	1	0	1	. 0	0	0	5	5 :	6
Little Boy		;									
	1	1	. 1	0	1	! 0	0	0	1	1 1	2
	2	1	1	0	1	1 0	0	0	6	6 1	7
	3	ļ .	0	0	0	1 0	0	0	8	8 :	8
	TOTAL	1	2	0	2	! 0	0	0	15	15	
Nord		!									
	1	1	0	0	0	. 0	0	0	2	2 ;	2
	2	!	0	- 0		: 0	0	0	0	0 1	
	TOTAL	!	0	0		. 0	0	0	2	2 1	
Waukenabo		1				·				<del></del>	
	TOTAL	1	0	0	0	! 0	0	0	0	0	0
Esquaqamah		!				·	<del></del>			<del></del>	<u>·</u>
	TOTAL	Ť	1	0	1	. 0	0	0	4	4 !	5
Hattie	1210-	Ť	<del>-</del>	<del>_</del>	<del></del>	·	•			<del></del>	
	1	<del>-</del>	0	0	0	0	0	0	0	0 ;	. 0
	2	<u>;</u>	1	0		1 0	0	0	1	. 1 !	2
	3	1	1	0		. 0	0	0	0	0	1
	4	1	0	0	0	1 0	0	0	1	1 !	1
	<u>-</u> 5	<del>:</del>	0	0		0	0	0	<u>.</u>	1 1	1
	TOTAL	<del></del>	2	0	2		0	0	3	3 1	5
Moccasin	101111	1	<del>_</del>			<u> </u>					
100000111	TOTAL	$\frac{\cdot}{1}$	0	0	0	1 0	0	0	2	2 1	2
O'Brien	101112	<del> </del>				<u>'</u>	<u>`</u>	<u>v</u>	<del></del>	<del></del>	
E DI LEII	1	<u>:</u>	0	0	0	0	0	0	0	0	0
	2	<del>!</del>	0	<u>\</u>		; 0	0	0	<u>`</u>	1 1	2
	TOTAL	<del></del>	0	<del></del>	<u> </u>		0	0	1	1	2
	IUIAL	<del>'</del>			<del>\</del>	·V		U			<del></del>

	1	Вс	ats With W	akes	! !	Boats W	ithout Wa	ikes	!	<u>Lake</u>
LAKE/AREA			With		: Beached				, !	Area
Clark		Other	Skiiers		Boats	Sailed	Canoe	Other	Total !	Tota
	1 1	0	0		[ 0	0	0	2	2 !	
	2 1	0	00		1 0	0	0	0	0 1	
	TOTAL !	0	0	- 0	! 0	0	0	2	2	
Emily/Mary	1									
	1	1	0		0	0	0	4	4 !	
	2 !	2	0	2	! 0	0	0	4	4	
	Total !	3	0	3	. 0	0	0	8	8 !	1
Little Boy	1									
	1	0	0	0	1 0	0	0	1	1 !	
	2 1	0	0	0	1 0	0	0	2	2 1	
	3	1	0	1	0	0	0	5	5 :	
	TOTAL !	1	0	1	: 0	0	0	8	8 !	
Nord	1									
	1	1	0	1	0	0	0	1	1 1	
	2	0	0	0	1 0	0	0	0	0 !	
	TOTAL !	1	0		0	0	. 0	1	1 1	
Waukenabo	1				<u> </u>		<del></del>	<del></del>	<del></del>	
	TOTAL :	0	0	0	. 0	0	0	2	2 ;	
Esquagamah	!				·	<u>`</u>				
	TOTAL :	0	. 0	0	. 0	0	0	4	4 !	
Hattie	1									
	1 !	0	Ô	0	0	0	0	0	0 1	
	2 1	0	0		1 0	0	0	1	1 1	
	3 1	0	0		0	0	0	0	0	
	<u> </u>	0			1 0	0	0	0	0 1	
	<del>1 '</del> 5 !	0	0	0	. 0	0	<u>v</u>	0	0 1	
	TOTAL :	0	0		! 0	0	0	1	1 1	
foccasin	IUIML I	V	V	<u> </u>	<u>. v</u>	<u> </u>	V	<u> </u>	<u> </u>	
IULLESIII	TOTAL 1	0	0	0	. 0	0	0	0	0 ;	
O'Brien	IU!HL I		<u>'</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>v</u>	<u> </u>	
o prien	i	۸	•	4	1 А	۸	ð.	٥	٨٠	
	1 i 7 !	0	11	1 0		0	<u>0</u> 0	0 0	0 !	
	<u> </u>	0	0						V 1	<del></del>
	TOTAL :	0	1	1	0	0	0	0	0 1	

DATE: May 18, 1985 -	Saturday						•				
	Bo	ats With W	lakes	!		Boats W	ithout Wa	kes		1	Lake
LAKE/AREA	!	With		1	Beached					1	Area
Eagle	Other	Skiiers	Total	!	Boats	Sailed	Canpe	Other	Total	ì	Total
1	! 0	0	0	!	0	0	1	3	4.	!	4
2	0	0	0	1	0	0	0	4	4	!	• 4
3	; 0	1. 0	0	!	0	0	0	1	1	-	1
TOTAL	0	. O	0_	!	0	0	1	8	9	ļ	9
Hansen	!										
1	0	0	0_	1	0	0	0	0	0	i	0
2	: 0	0	. 0_	!	0	0	0	3	3	1	3
TOTAL	. 0	0	0	!	0	0	0	3	3	1	3
Little Thunder	1										
TOTAL	0	0	0_	I I	0 -	0	0	4	4	1	4
Loon	) 							,			
TOTAL	0	0	0_	!	0	0	0	2	2	!	2
White Sand	) [										
TOTAL	0	0	0	1	. 0	0	1	12	13	1	13
Hanging Kettle	1								,		
TOTAL	2	0	2_	1	0	0	0	9	9	1	11
Bass	<u>!</u>										
TOTAL	00_	0	0	1	. 0	0	0	8	8	!	8
Pine	1								-		
TOTAL	. 0	0	0	1	0	Ō	0	4	4	1	4

	1	Во	ats With W	akes	1		Boats W	ithout Wa	kes	!	Lake
<u>LAKE/AREA</u>	-		With		ŀ	Beached				. 1	Area
Eagle	!	Other	Skiiers	Total	!	Boats	Sailed	Canoe	Other	Total !	Tota
	1 !	0	0	. 0	1	0	0	0	3	3 1	
	2	0	0	0	1	0	0	0	2	2	
	3 !	0	0	0	!	0	0	0	0	0	
	TOTAL :	0	0	0	1	0	0	0	5	5 !	
Hansen	!										
	· <u>1                                     </u>	0	0	0	1	0	0	0	- 2	2	
	2 1	0	0	0_	!	0	0	0	3	3	
	TOTAL :	0	0	. 0	!	0	0	0	5	5 !	
Little Thun	der !										
	TOTAL !	1	0	1_	1	0	0	00	0	0 !	
Loon	!		•		,	•					
	TOTAL !	2	0	2	1	0	. 0	0	0	0	
White Sand	!										
	TOTAL !	0	0	0_	į į	0	0	0	3	3 1	
<u>Hanging Ket</u>	tle !										
	TOTAL :	0	0	0	i i	0	0	0	5	5 !	
Bass	!										
	TOTAL 1	1	0	1	! 1	0	0	0	2	2 !	
<u>Pine</u>	1					•					
	TOTAL :	0	0	0	1 -	0	0	0	0	0 1	(

APPENDIX I (cont.)
Boat Count by Area of Lake, Date and Type of Boating Activity

DATE: June	1		ats With W	akes !		Boats W	lithout Wa	kes		Lake
LAKE/ARE	<u> </u>		With		Beached				!	Area
Eagle	ŀ	Other	Skiiers	Total	Boats	Sailed	Canoe	Other	Total :	Total
	1	0	0	0	0	0	0	2	2 1	2
	2 1	0	0	0	0	0	0	. 2	2 1	2
	3 !	0	0	. 0	0	00	0	1	1	1
	TOTAL !	0	0	0	0	0	00	5_	5: 1	5
Hansen	1 i							•		
	1 !	0	0	0	0	0	00	0	0 ;	0
	2 1	0	0_	0	0	0	00	0	0 }	0
	TOTAL !	0	0	0 1	0	()	0	0	0 !	0
Little Thur	nder !									-
•	TOTAL !	0	0	0	0	0	0	0	0 !	0
Loon	1									
	TOTAL !	0	0	0	0	. 0	0	3	3 1	3
White Sand	!									
	TOTAL :	0	0	0 :	0	0	0	5	5 :	5
Hanging Ket	ttle !									
	TOTAL !	0	0	0 :	0	0	0	2	2 !	2
Bass	!									
	TOTAL :	. 0	0	0 :	0	0	0	4	4 1	4
<u>Pine</u>	1									
	TOTAL !	. 0	0	0 :	0	0	0	2	2 1	2

	1	Вс	ats With W	akes	!		Boats ₩	ithout Wa	kes		Lake
LAKE/AREA	1		With		1	Beached				!	Area
Eagle	!	Other	Skilers	Total	1	Boats	Sailed	Cande	Other	Total !	Tota
	1 !	0	0	0	1	0	0	0	11	11	1
	2 1	0	0	0	l I	0	0	0	1	1 !	
	3 1	1	0	11_	1	0	0	0	0	0 }	
	TOTAL :	1	0	1	t i	0	0	0	12	12 1	1
Hansen											
	1 !	0	0	0	! 1	0	0	0	1	1 1	
	2 1	0	0	0	1	0	0	0	0	0 1	
	TOTAL !	0	00	0	1	0	0 %	0	1	1 !	
<u>Little Thur</u>	der										
	TOTAL :	0	0	0	i	0	0	0	1	1	
Loon											
	TOTAL !	1	0	1	1	0	0	1	3	4 1	
White Sand											
	TOTAL :	2	0	2	1	0	0	0	2	2	
<u>Hanging Ket</u>											
	TOTAL !	1	00	1	1	0	0	0	8	8 !	(
Bass	1			e e							
	TOTAL :	2	0	2	!	00	0	0	44	4 !	
<u>Pine</u>	1										
	TOTAL !	0	0	0	1	0	0	.0	5	5 !	5

DATE: July	<u>13, 1985</u>	<u>- 5</u>		1 11:11 11		,		<b>5</b> . 1. 11		1			1.15
		<u> </u>	80	ats With W	akes	<u>.</u>		Boats W	ithout Wa	Kes		÷	<u>Lake</u>
LAKE/ARE	<u> </u>			With		i	Beached					<u> </u>	Area
Eagle		1	Other	Skiiers	Total	- !	Boats	Sailed	Canoe	Other	Total	1_	Total
	<u>1</u>	!	0	0	. 0	!	. 0	0	0	2	2	ŀ	
	2	!	0	0	0	l i	0	0	0	1	1	1 i	
	3	1	0	0	0	1	. 0	0_	0	. 2	2	;	
	TOTAL	!	0	0	0	1	0	: 0:	0	5	5	1	
Hansen		!						.,					
	1	-	0	0	. 0	!	. 0	0	0	2	2	;	2
	2	!	0	0	0	1	0	0	0	1	1	!	
	TOTAL	i	0	0	0	1	0	0	0.	3	3	1	-
Little Thur		!											
,	TOTAL	1	. 0	0	0	!	0	. 0	0	2	2	l i	7
Loon	***************************************	1					····		<del></del>				
===:	TOTAL	<del> </del>	0	. 0	0	!	0	0	. 0	1	1	!	1
White Sand		1					· · · · · · · · · · · · · · · · · · ·		······································				
WILLE DUNG	TOTAL	<u>;</u>	0	. 0	0	!	0	0	0	0	0	i	0
Hanging Ket		!			<u>v</u>		<u></u>	<u>`</u> _			<u>`</u> _	<u> </u>	
manging he	TOTAL	÷	0	Ó	Ō	ŗ	0	2	0	6	8	!	Ε
Bass	IUINE	<u> </u>	·	<u>v</u>			<u> </u>		V				
2022	TOTAL	<u>+</u>	2	0	2	1	0	0	0	5	5	,	7
Pine	10165	1 1		v	<del>`</del>		<u>v</u>		v		<u>J</u>	1	
11116	TOTAL	1	۸	۸	۸	1	٨	٥	۸	2	2	į ·	. 2
	TOTAL	1	0	0	0	1	0	0	0	2	. 2	1	

		1	Ba	ats With W	akes	i i		Boats W	ithout Wa	kes		i	Lake
LAKE/ARE	4	!		With		!	Beached					!	Area
Eagle		!	Other	Skiiers	Total	1	Boats	Sailed	Cance	Other	Total	1	Total
	1_	!	0	0	0	-	0	0	0	1	1		
	<u>2</u>	I I	0	0	0	1	0	0	0	0	0	1	(
	3_	!	0	0	0	!	0	0	0	0	0	I i	
	TOTAL	1	0	0	0	1	0	0	0	1	1	1	
Hansen		1											
	<u>1</u>	!	0	0	0	1	()•	0	0_	0	0	!	(
	<u>2</u>	!	0	0	0	!	0	0	0	0	0	!	
	TOTAL	1	0	0	0	1	0	0	0	0	0	1	(
<u>Little Thur</u>	nder	1											
	TOTAL	t ;	0	0	0	1 i	0	0	0	0	0	!	(
Loon		!			,					,			
	TOTAL	!	0	0	0	ŀ	0	0	0	1	1	1	
White Sand		!											
	TOTAL	į i	0	0	0	f i	0	1	0	1	2	!	
<u>Hanging Ket</u>	tle	!											
	TOTAL	1.	1	0	1	1	0	0	0	0	0	1	
Bass		!											
	TOTAL	!	0	0	0	1	. 0	0	0	0	0	i	(
Pine		1											
	TOTAL	1	0	0	0	!	0	0	0	1	1	!	1

	1	Bo	ats With W	akes	!		Boats W	ithout Wa	kes		-	Lake
LAKE/ARE	A !		With		1	Beached					1	Area
Eagle		Other	Skiiers	Total	1	Boats	Sailed	Cance	Other	Total	!	Tota
	1	1	0	1	1	0	0	0	0	0	!	
	2 1	0	0	0	1	0	. 0	0	0	0	1 1	
	3	0	0	0	1	0	0	0	0	0	!	
	TOTAL :	1	0	1	!	0	0	0	0	0	!	
Hansen	1											
	1	0	0	0	!	0	0	0	0	0	1	
	2 1	0	0	0	i i	0	. 0	0	0	0	-	
	TOTAL 1	0	0	0	1	0	00	0	0	0	1	
<u>Little Thur</u>	nder !	,										
	TOTAL !	2	00	2	!	00	0	0	0	0	[ 	
Loon	<u> </u>	•										
	TOTAL !	0	0	0	1	0	0	0	1	1	}	
White Sand												
	TOTAL !	0	1	1	!	0	0	1	3	4	1	
Hanging Ket	ttle 1											
	TOTAL !	0	0	0	1 i	0	0	0	2	2	!	
Bass	1					,						
	TOTAL !	0	0	0	l i	0	0	0	0	0	i i	
Pine	!											
	TOTAL !	1	0	1	t i	0	0	1	2	3	1	4

	1	Bo	ats With W	akes	l i		Boats W	ithout Wa	kes	1 i	Lake
LAKE/ARE	4 !		With		!	Beached				!	Area
Eagle	!	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total !	Tota
	1 !	0	0	0	!	0	0	0	5	5 !	
	2 !	0	0	0	1	0	0	0	2	2 /	
	3 !	0	0	0	1	0	0	0	1	1 1	
	TOTAL !	0	0	0	1	0	0	0	8	8 !	(
Hansen											
	1 1	0	0	0	!	0	0	0	1	1 !	
	2 1	0	0	0	1	0	0	0	2	2 1	
	TOTAL !	0	0	0	l I	0	0	0	3	3	
<u>Little Thur</u>	nder !										
	TOTAL :	3	0	3	1	0	0	0	3	3	
Loon	1										
	TOTAL !	0	<u>i</u>	1	1	00	0	1	0	1 !	
White Sand			Ç								
	TOTAL :	2	1	3	i	0	1	0	1	2 !	
Hanging Ket	tle !										
	TOTAL :	2	0	2	! }	0	0	0	1	1 !	
Bass											
	TOTAL !	1	1	2	l i	0	0	0	0	0 1	
Pine	!										
	TOTAL !	0	0	. 0	Į.	Ô	0	0	0	0	(

DATE: Auguas	t 15, 19	785											
		!	Во	ats With W	lakes	!		Boats W	lithout Wa	kes		t I	Lake
LAKE/AREA		!		With		1	Beached					1	Area
Eagle		!	Other	Skiiers	Total	i	Boats	Sailed	Canoe	Other	Total	1	Total
	1	1	1	0	1	1	0	0	0	3	3	!	4
	2	1	1	0	1	1	0	0	0	2	2	i	3
	3.	1	0	0	0	1	0	0	0	0	0	1	0
	TOTAL	1	2	0	2	1	0	0	0	5	5	1	7
Hansen		!											
	1	1	0	0	0	1	0	0	. 0	1	1	!	1
	2	1	0	0	0	1	0	0	0	0	0	1	0
	TOTAL		0	0	0	t i	0	0	0	1	1	1	1
Little Thun	der	;											
	TOTAL	i i	0	0.	0	1	0	0	1	1	2	!	2
Loon		1											
	TOTAL	-	0	0	0	į.	0	0	1	4	5	l i	5
White Sand		i i						-					·
	TOTAL	!	1	0	1	i i	0	0	0	4	4	! !	5
Hanging Ket	tle	!											
	TOTAL	!	0	0	0	1	0	0	. 0	1	1	1	1
Bass		!											
	TOTAL	!	0	0	0	1	0	0	0	0	0	!	0
Pine		1											
	TOTAL	!	0	0	0	1	0	0	0	2	2	i i	2

		!	Bo	ats With W	akes	! i		Boats W	ithout Wa	kes		i i	Lake
LAKE/ARE	A	!		With		!	Beached					!	Area
Eagle		!	Other	Skiiers	Total	1	Boats	Sailed	Canoe	Other	Total	1	Total
	1_	-	0	0	0	1	0	0	0	3	3	!	
	2_	1	1	0	1	1	0	0	0	0	0	!	
	3_	l i	0	0	0	!	0	0	0	1	1	1	
	TOTAL	:	1	0	1	!	0	0	0	4	4	1	5
Hansen		1											
	1	1	1	0	1	!	0	0	0	0	0	1	
	2	1	Û	0	0	!	0	0	0	0	0	1	(
	TOTAL	!	1	0	1	!	0	0	0	0	0	1	j
Little Thu	nder	1						,					
	TOTAL	l i	0	0	0	!	0	0	0	1	1	!	1
Loon		1											
	TOTAL	!	1	0	1	;	0	0	0	0	0	f i	1
White Sand		1											
	TOTAL	1	0	0	0	1	0	i	0	4	5	1	5
Hanging Ke	ttle	1											
	TOTAL	] 	0	0	0	i i	. 0	0	0	2	2	[ i	2
Bass		1											
	TOTAL	1	0	0	0	ì	0	0	0	2	2	I i	2
Pine		!											
	TOTAL	;	0	0	0	i i	0	0	0	1	1	1	1



#### APPENDIX J

AVERAGE WEEKEND AND WEEKDAY BOAT COUNTS BY AREA OF LAKE, DATE AND TYPE OF BOATING ACTIVITY

			e per en a anna fair ann <del>a</del> dhairean					
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APPENDIX J

Average Weekend and Weekday Boat Counts by Area of Lake,

Date and Type of Boating Activity

MILLE LACS	AVERAGES
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		I I	Во	ats With	lakes	!	Boats W	ithout Wa	kes		_ !	Lake
LAKE/AREA		1		With		: Beached					. !	Area
MILLE LACS		!	Other	Skiiers	Total	Boats	Sailed	Cance	Other	Total	1	Total
Average Weekends		! ;				1					!	
	1	!	5.9	0.3	6.1	0.1	0.6	1.0	50.4	52.1	1	58.3
	<u>2</u>	!	6.4	0.1	6.6	0.0	0.0	0.0	85.0	<b>85.</b> 0	- !	91.6
	<u>3</u>	1	5.3	0.0	5.3	0.0	0.1	0.0	30.1	30.3	_!_	<u> 35.6</u>
	. 4	1	5.0	0.3	5.3	0.3	0.6	0.0	58.7	59.6	1	64.9
	5	!	6.9	0.4	7.3	2.1	1.4	0.0	103.9	107.4	- !	114.7
	<u>6</u>	!	6.9	0.1	7.0	0.7	0.4	0.0	65.6	66.7	_	73.7
	7_	!	9.4	0.0	9.4	0.3	0.4	0.1	101.6	102.4	_ !	111.9
	8_	!	7.1	0.0	7.1	1 0.0	0.0	0.0	91.4	91.4	_ !	98.6
	9	!	5.3	0.3	5.6	0.0	0.0	0.1	68.7	68.9	1	74.4
	<u>10</u>	1	5.3	0.1	5.4	0.1	0.3	0.3	59.0	59.7	!	65.1
	11	!	13.3	0.0	13.3	6.4	1.1	0.4	105.7	113.7	1	127.0
	12	!	4.6	0.0	4.6	0.0	0.0	0.0	66.1	66.1	<u> </u>	70.7
	<u>13</u>	1	1.3	0.0	1.3	0.0	0.0	0.0	3.9	3.9	1	5.1
	14	1	0.6	0.0	0.6	0.0	0.0	0.0	3.3	3.3	- !	3.9
	15	!	2.1	0.0	2.1	0.0	0.0	0.0	22.7	22.7		24.9
	16	!	1.0	0.0	1.0	0.0	0.1	0.0	14.7	14.9	!	15.9
	<u>17</u>	1	2.0	0.0	2.0	0.0	0.0	0.0	12.7	12.7	!	14.7
	18		2.0	0.0	2.0	1 0.0	0.3	0.0	12.3	12.6	!	14.6
	TOTAL	!	90.3	1.7	92.0	10.1	5.4	2.0	955.9	973.4	!	1065.4

MILLE LACS													
Average Weekend	Without	Fishing	Opener	(May 18,	1985)								
	1_	1	4.5	0.3	4.8	1	0.2	0.7	0.8	32.0	33.7	1	38.5
	<u>2</u>	!	3.0	0.2	3.2	!	0.0	0.0	0.0	30.7	30.7	1	33.8
	<u>3</u>	î î	3.2	0.0	3.2	1	0.0	0.2	0.0	14.5	14.7	1	17.8
	4	1 .	3.8	0.3	4.2	i i	0.3	0.7	0.0	17.3	18.3	!	22.5
	5	!	4.2	0.5	4.7	1	0.7	1.7	0.0	30.7	33.0	!	37.7
	<u>6</u>		3.8	0.2	4.0	!	0.0	0.5	0.0	17.7	18.2	<u> </u>	22.2
	<u>7</u>		5.0	0.0	5.0	1	0.3	0.5	0.0	28.8	29.7	<u> </u>	34.7
	8	!	3.3	0.0	3.3	<u> </u>	0.0	0.0	0.0	17.3	17.3	!	20.7
	9_	1 1	3.5	0.3	3.8	1	0.0	0.0	0.2	22.3	22.5	1	26.3
	<u>10</u>		4.2	0.2	4.3	1	0.2	0.3	0.0	26.5	27.0	!	31.3
	<u>11</u>		12.7	0.0	12.7	1	7.5	1.3	0.3	56.0	65.2	-	77.8
	12		2.0	0.0	2.0	!	0.0	0:0	0.0	16.8	16.8	_ !	18.8
	13	İ	1.0	0.0	1.0	1	0.0	0.0	0.0	3.2	3.2	_!	4.2
	14	1	0.5	0.0	0.5	i	0.0	0.0	0.0	3.8	3.8	1	4.3
	<u>15</u>		2.2	0.0	2.2	!	0.0	0.0	0.0	10.0	10.0	_!_	12.2
	<u>16</u>		1.2	0.0	1.2	_!_	0.0	0.2	0.0	11.0	11.2	_ <u>:</u> _	12.3
	<u>17</u>	<u> </u>	1.5	0.0	1.5	-	0.0	0.0	0.0	8.0	8.0	<del>-</del> -	9.5
	18	<u> </u>	1.2	0.0	1.2	1	0.0	0.3	0.0	3.3	3.7	<u> </u>	4.8
	TOTAL		60.7	2.0	62.7		9.2	6.3	1.3	<u>350.0</u>	366.8		429.5

MILLE LACS AVERAGES											
	1	Во	ats With	Wakes !		Boats #	ithout Wa	kes		1	Lake
LAKE/AREA			With	1	Beached					!	Area
MILLE LACS	1	Other	Skiiers	Total !	Boats	Sailed	Canoe	Other	Total	1	Total
Average Weekday	!			! !						1	
	1 1	2.0	0.3	2.3 1	0.0	0.3	0.0	14.3	14.7		17.0
	2	1.3	0.0	1.3	0.0	0.0	0.0	14.0	14.0	1	15.3
	3	1.0	0.0	1.0	0.0	0.0	0.0	2.7	2.7	1	3.7
	4 !	0.7	0.0	0.7	0.0	0.0	0.0	2.7	2.7	1	3.3
	5	1.3	0.0	1.3	0.0	0.0	0.0	6.3	6.3	!	7.7
	6	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	-	3.0
	7	1.0	0.0	1.0 !	0.0	0.0	0.0	7.7	7.7	1	8.7
	8 !	0.0	0.0	0.0	0.0	0.0	0.0	5.7	5.7	!	5.7
	9	0.3	0.0	0.3	0.0	0.0	0.0	2.3	2.3	1	2.7
	10	0.3	0.0	0.3	0.0	0.0	0.0	7.3	7.3	1	7.7
	11	4.7	0.0	4.7 1	0.7	0.0	0.0	13.7	14.3	!	19.0
	12	2.0	0.3	2.3	0.0	0.3	0.0	9.3	9.7	!	12.0
	13	0.0	0.0	0.0 1	0.0	0.0	0.0	3.0	3.0	!	3.0
	14	0.3	0.0	0.3 /	0.0	0.0	0.0	0.3	0.3	1 i	0.7
	15	0.0	0.0	0.0 1	0.0	0.0	0.0	3.3	3.3	1	3.3
	16	0.0	0.0	0.0 :	0.0	0.0	0.0	1.0	1.0	!	1.0
	17	0.3	0.0	0.3 !	0.0	0.0	0.0	1.0	1.0	!	1.3
	18	0.0	0.0	0.0 1	0.0	0.0	0.0	0.7	0.7	! i	0.7
Ţ	TAL !	15.3	0.7	16.0	0.7	0.7	0.0	98.3	99.7	!	115.7

BILL CHOIN ONEBODE MEEKEND OND MEEKDOA Boats With Wakes Boats Without Wakes Lake Area Beached With LAKE/AREA Total **GULL CHAIN** Other Skiiers Sailed Other Total Total Boats Canoe Average Weekend 5.1 1.4 6.6 0.6 8.7 11.0 17.6 0.1 1.6 lower Gull 19.9 Gull 2 3.4 0.4 3.9 0.0 1.4 0.3 14.3 16.0 Gull 3 ! 8.6 0.4 9.0 ! 7.6 1.3 0.3 14.7 23.9 1 32.9 Gull 4 17.4 18.0 3.9 0.0 27.0 32.3 50.3 0.6 1.4 5 1.0 0.1 1.1 0.0 0.0 0.0 6.0 6.0 1 7.1 Love 43.1 Gull A ! 8.1 0.99.0 1 2.0 1.0 0.1 31.0 34.1 7 0.9 7.3 1 2.1 22.3 24.4 31.7 Gull 6.4 0.0 0.0 Bull 1 Я 8.3 8.4 0.4 0.1 7.0 7.6 16.0 0.1 0.0 Margaret Q 1.3 5.0 ! 0.0 0.3 0.7 7.9 8.9 13.9 3.7 Upper Gull 10 6.1 0.0 6.1 1 18.6 0.3 0.0 2.3 21.1 27.3 Upper Gull 11 4.6 1.1 5.7 0.0 0.1 0.3 7.3 7.7 13.4 3.9 3.9 6.9 12 3.0 0.0 3.0 0.0 0.0 0.0 Rav 13 ! 2.4 0.4 2.9 0.0 0.0 0.1 4.6 4.7 7.6 Roy 2.3 0.3 4.0 4.3 6.9 14 2.6 ! 0.0 0.3 0.0 Nisswa TOTAL 29.7 160.9 205.9 294.4 80.6 8.0 88.6 12.7 2.6 **BULL CHAIN** Average Weekend Without Fishing Opener (May 18, 1985) 12.5 19.5 Lower Gull 5.3 1.7 7.0 1 0.2 1.8 0.7 9.8 Bull 2 3.8 0.5 4.3 1 0.0 1.7 0.2 9.8 11.7 16.0 3 7.7 0.5 8.2 1.5 10.3 21.0 29.2 Gull 8.8 0.3 Gull 4 ! 17.2 0.7 17.8 ! 1.7 4.5 0.0 15.2 21.3 39.2 Love 5 ! 0.7 0.20.8 ! 0.0 0.0 0.0 4.5 4.5 5.3 Gull 7.2 14.7 6 1 1.0 8.2 2.3 1.2 0.2 18.3 26.5 7 Gull 5.3 1.0 6.3 0.0 2.5 0.0 7.8 10.3 16.7 8 ! 6011 9.2 0.29.3 1 0.0 0.5 0.2 5.7 6.3 1 15.7 Margaret 9 4.2 1.5 5.7 ! 0.0 0.3 0.8 4.8 6.0 11.7 10 Upper Gull 7.0 0.0 7.0 18.0 0.3 0.0 2.7 21.0 28.0 Upper Gull 11 ! 4.0 1.3 5.3 0.0 0.2 0.3 5.0 5.5 1 10.8 12 3.2 3.2 0.0 2.7 5.8 Rav 0.0 0.0 0.0 2.7 13 3.2 Rov 2.7 0.5 0.0 0.0 0.2 3.7 3.8 7.0 5.8 Nisswa 14 ; 2.7 0.3 3.0 ( 0.0 0.3 0.0 2.5 2.8 1 TOTAL : 80.0 9.3 89.3 1 14.8 99.2 147.8 237.2 31.0 2.8 **GULL CHAIN** Average Weekday 0.7 7.3 14.3 Lower Gull 4.3 2.7 7.0 0.0 1.3 5.3 2 Gull 1.3 0.3 1.7 0.3 0.0 0.0 7.3 7.7 9.3 0.3 7.7 Gull 3 7.0 0.3 7.3 0.0 0.3 8.3 15.7 Gull 4 ! 6.7 1.3 8.0 1 0.0 0.7 0.0 13.0 13.7 21.7 5 | 1.0 ! 0.0 3.0 3.0 1 Love 1.0 0.0 0.0 0.0 4.0 Gull 6 5.3 0.7 6.0 0.0 2.0 0.0 5.0 7.0 13.0 Gull 7 | 3.0 0.7 3.7 1 0.0 0.0 0.3 1.7 2.0 5.7 8 3.7 5.0 8.7 Gull 3.7 0.0 0.0 0.0 0.0 5.0 9 2.0 0.0 3.0 3.0 Maroaret 1.3 0.7 0.0 0.0 5.0 10 1 10.3 Upper Gull 2.0 0.0 2.0 ! 6.7 1.0 0.0 0.7 8.3 0.3 1.3 3.0 3.0 4.3 Upper Gull 11 1.0 0.0 0.0 0.0 12 3.7 0.0 3.7 0.0 0.0 0.0 2.0 2.0 5.7 Ray Roy 13 1.3 0.0 1.3 0.0 0.0 0.0 3.3 3.3 1 4.7 14 ! 0.7 0.7 1.3 0.0 0.0 0.3 2.3 2.7 4.0 Nisswa TOTAL 42.3 7.7 50.0 7.0 5.3 1.7 62.3 76.3 126.3

WHITEFISH CHAIN	AVERAGE WE	EKEND AND W	IEEKDAY							
	<u>!</u>	Boa	its With W	lakes !		Boats W	lithout Wa	kes	! !	Lake
LAKE/AREA			With		Beached				. !	Area
WHITEFISH CHAIN			Skiiers	Total	Boats	Sailed	Canoe	Other	Total :	Total
Average Weekend					!				1	•
Lower Hay	1 !	1.6	0.3	1.9	0.0	0.6	0.3	4.7	5.6 1	7.4
Upper Whitefish	2	0.0	0.3	6.6	0.7	0.6	0.3	6.9	8.4 1	15.0
Upper Whitefish	3 !	2.1	0.1	2.3	0.4	0.1	0.3	7.3	8.1	10.4
Arrowhead	4 !	0.3	0.0	0.3		0.0	0.0	4.3	4.3 :	4.6
Lower Whitefish	<u> </u>	2.6	0.0	2.6	0.1	0.9	0.0	4.7	5.7 !	8.3
Lower Whitefish	<u>6</u>	3.4	0.0	3.4		0.1	0.0	5.1	5.9 1	9.3
Bertha Slassball	<del></del>		0.3	2.0	0.0	0.4	0.1	3.4	4.0 !	6.0
Clamshell	9 !	3.0	0.7	V11		0.4	0.0	5.1	5.6 !	9.3
Lower Whitefish	<del></del>	1.0	0.3	1.3	0.3	0.3	0.0	1.6	2.1 1	3.4
Pig	10	0.7	0.6	1.3	0.0	0.0	0.1	3.4	3.6 1	4.9
Lower Whitefish	11 1		0.4	6.6	0.4	0.6	0.0	3.9	4.9 1	11.4
Lower Whitefish	12		0.3	4.1		0.7	0.0	7.6	8.3	12.4
Big Trout	13 1		1.1	8.4	0.3	1.7	3.0	10.1	15.1 1	23.6
<u>Island</u>	14 15	2.0	0.3	2.3	0.0	0.3	0.3	4.0	4.6 :	6.9
Loon N			0.0	0.1		0.0	0.0	1.4	7.0 !	7.1
<u>Hen</u>	16 : 17 :		0.1	0.4		0.0	0.0.	2.6	2.6	3.0
Rush	18 1		1.1	16.6	7.1	0.6	0.1	8.3	16.1 1 22.3 1	32.7
Cross	19 1	10.0 7.0	0.0 1.0	10.0 3 8.0 3	14.9	0.0 0.7	0.3	7.1	13.3	32.3 21.3
Cross Cross	20 }	1.9	1.3	3.1	6.3 0.1	0.1	0.0	6.3 5.6	5.9 ¦	9.0
Daogett	21 1	10.4	0.4	10.9	0.0	0.4	0.1	5.3	5.9 1	16.7
Little Pine	22	2.4	0.0	2.4	0.0	0.4	0.3	9.1	9.9	12.3
LICCIE IIIIE	TOTAL :	89.6	8.7	98.3	36.9	9.0	5.3	117.9	169.0	267.3
	19105 1	9710	<u> </u>	7010 1	2011	710	010	1111	10/10	20/10
WHITEFISH CHAIN										
Average Weekend	Without Fi	shino Onene	r (May 18	. 1985) (					1	
Lower Hay	1 1	1.8	0.3	2.2	0.0	0.7	0.3	3.7	4.7	6.8
Upper Whitefish	2 1	6.7	0.3	7.0 1	0.8	0.7	0.3	5.2	7.0	14.0
Upper Whitefish	3 1	1.8	0.2	2.0 :	0.5	0.2	0.3	3.5	4.5	6.5
Arrowhead	4	- 0.3	0.0	0.3 - 1	0.0	0.0	0.0	2.0	2.0 1	2.3
Lower Whitefish	5 . :	2.8	0.0	2.8	0.2	1.0	0.0	1.3	2.5	5.3
Lower Whitefish	6 1	2.7	0.0	2.7	0.7	0.2	0.0	3.7	4.5	7.2
Bertha	7 1	2.0	0.3	2.3	0.0	0.5	0.2	2.3	3.0 1	5.3
Clamshell	8 !	3.5	0.7	4.2	0.0	0.5	0.0	3.8	4.3 !	8.5
Lower Whitefish	9 :	1.2	0.3	1.5	0.3	0.3	0.0	1.0	1.7 !	3,2
Pig	10	0.8	0.7	1.5	0.0	0.0	0.0	2.8	2.8 1	4.3
Lower Whitefish	11 1	6.5	0.5	7.0 1	0.5	0.7	0.0	3.3	4.5	11.5
Lower Whitefish	12	3.7	0.3	4.0 {	0.0	0.8	0.0	4.3	5.2 1	9.2
Big Trout	13	7.3	1.3	8.7.	0.3	2.0	3.3	9.3	15.0	23.7
Island	14	1.7	0.3	2.0 1	0.0	0.3	0.2	2.8	3.3	5.3
Loon	15	0.2	0.0	0.2	0.0	0.0	0.2	0.6	1.0 1	1.2
Hen	16 :	0.3	0.2	0.5 ¦	0.0	0.0	0.0	3.3	3.3	- 3.8
Rush	17	17.3	1.3	18.7	8.3	0.7	0.0	6.0	15.0	33.7
Cross	18	8.2	0.0	8.2	20.6	0.0	0.3	4.2	24.6	
Cross	19 i	7.8	1.2	9.0 1	6.7	0.8	0.0	5.5	13.0	22.0
Cross	20 ¦	2.2	1.5	3.7	0.2	0.2	0.0	5.0	5.3	9.0
Daogett	21	9.8	0.5	10.3	0.0	0.5	0.2	4.0	4.7	15.0
Little Pine	22	2.8	0.0	2.8 ;	0.0	0.5	0.3	6.3	7.2	10.0
	TOTAL :	91.5	10.0	101.5	39.1	10.5	5.7	84.2	139.0	241.1

WHITEFISH CHAIN	<u>AVERAGE I</u>	#EEK	END AND	WEEKDAY							-
		1	Bo	ats With	Wakes :		Boats k	lithout Wa	kes	!	Lake
LAKE/AREA		!		With		Beached					Area
WHITEFISH CHAIN		!	Other	Skiiers	Total !	Boats	Sailed	Canoe	Other	Total :	Total
Average Weekday		1								! .	
Lower Hay	1	!	1.0	0.0	1.0	0.0	0.0	0.0	3.0	3.0 !	4.0
Upper Whitefish	2	1	2.7	0.3	3.0	0.0	0.0	0.0	4.0	4.0 1	7.0
Upper Whitefish	3	!	1.7	0.0	1.7	0.0	0.3	0.0	4.3	4.7 1	6.3
Arrowhead	4	!	0.3	0.0	0.3	0.0	0.0	0.0	2.7	2.7 1	3.0
Lower Whitefish	5	!	2.3	0.3	2.7	0.0	0.3	0.0	1.7	2.0 1	4.7
Lower Whitefish	6		1.7	0.0	1.7	0.7	0.3	0.0	4.7	5.7 !	7.3
Bertha	7	1	1.7	0.3	2.0	0.3	0.3	0.0	4.0	4.7 1	6.7
Clamshell	<u>B</u>	!	2.3	1.3	3.7	0.0	0.0	0.7	3.0	3.7	7.3
Lower Whitefish	9	I i	0.3	0.0	0.3	0.0	0.3	0.0	3.0	3.3	3.7
Piq	10	!	0.7	0.3	. 1.0	. 0.0	0.7	0.0	3.0	3.7 1	4.7
Lower Whitefish	11	l i	5.0	0.0	5.0 }	0.0	0.0	0.0	6.7	6.7 1	11.7
Lower Whitefish	12	!	1.3	0.3	1.7	0.0	0.0	0.0	4.0	4.0	5.7
Big Trout	13	1	3.0	0.7	3.7	0.0	2.0	0.0	4.7	6.7 1	10.3
Island	14	!	2.0	0.7	2.7	0.0	2.3	1.7	3.0	7.0 1	9.7
Loon	15	!	0.0	0.0	0.0 :	0.0	0.0	0.0	0.0	0.0 1	0.0
Hen	16	!	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7 1	0.7
Rush	17_	f 1	5.7	0.3	6.0 1	1.7	0.3	0.0	5.7	7.7 1	13.7
Cross	18	1	4.3	0.3	4.7	25.3	0.7	0.7	5.0	31.7 1	36.3
Cross	19	!	2.0	1.0	3.0 !	3.3	0.0	0.0	3.7	7.0	10.0
Cross	20	!	2.0	0.0	2.0	0.0	0.3	0.3	2.0	2.7 1	4.7
Daggett	21	l i	5.3	0.3	5.7	0.0	0.0	0.0	3.0	3.0 !	8.7
Little Pine	22	!	1.7	0.0	1.7	0.0	0.0	0.0	3.3	3.3	5.0
	TOTAL	!	47.0	6.3	53.3	31.3	8.0	3.3	75.0	117.7	171.0

PELICAN AVERAGE	WEEKEN	D AND A	VERAGE WEEL	<u>KDAY</u>						
	1	Во	ats With W	lakes !		Boats N	lithout Wa	ikes	!	Lake
LAKE/AREA	i ;		With		Beached		- X		!	Area
Pelican	- !	Other	Skiiers	Total :	Boats	Sailed	Canoe	Other	Total !	Total
Average Weekend	!								1	
	1	3.1	1.1	4.3	0.1	2.7	0.1	9.7	12.7 1	17.0
	2 !	4.9	0.4	5.3	0.0	0.9	0.1	8.3	9.3	14.6
	3. 1	2.7	0.3	3.0 !	0.0	1.0	0.0	9.3	10.3	13.3
	4 !	3.0	0.4	3.4	1.3	0.4	0.3	7.1	9.1 1	12.6
	5	1.9	0.4	2.3	0.0	0.3	0.1	6.1	6.6	8.9
TOTA	_	15.6	2.7	18.3	1.4	5.3	0.7	40.6	48.0	66.3
PELICAN										
Average Weekend	dithou	t Fishin	g Opener	- 1					- 1	
	1	3.3	1.3	4.7	0.2	3.2	0.2	7.8	11.3	16.0
!	2 1	5.0	0.5	5.5	0.0	1.0	0.0	6.3	7.3	12.8
,	3 !	2.7	0.3	3.0	0.0	1.0	0.0	5.2	6.2	9.2
	1	2.8	0.5	3.3	1.5	0.5	0.2	3.7	5.8	9.2
	5 1	2.0	0.5	2.5	0.0	0.3	0.2	4.8	5.3 !	7.8
TOTAL	. !	15.8	3.2	19.0	1.7	6.0	0.5	27.8	36.0 1	55.0
PELICAN	1			1					· [	
Average Weekday	1			. ;					1	
		2.0	1.3	3.3 - 1	0.3	0.7	0.3	5.7	7.0 !	10.3
į	2	1.7	0.0	1.7	0.0	0.0	0.0	3.0	3.0	4.7
	3 !	2.0	0.0	2.0 1	0.0	0.3	0.0	4.0	4.3 }	6.3
	1	1.7	0.3	- 2.0 ;	1.7	0.3	0.0	5.0	7.0 1	9.0
	5 ;	3.3	1.3	4.7	0.0	0.3	0.0	6.0	6.3 !	11.0
TOTAL	. !	10.7	3.0	13.7	2.0	1.7	0.3	23.7	27.7	41.3

CATEGORY II LAKES	_				<u>.</u>				
I AVE /ABEA	80	ats With M	lakes		Boats	ithout Wa	ikes .	<u>_</u>	Lake
LAKE/AREA !	0FF	With Skiiers	7-1-1	! Beached! Boats	Cailad	C	011	Total :	Area
ADA	Other	Skilers	Total	! Boats	Sailed	Canoe	Other	Total !	Total
Average Weekend				!				į.	
1 1	1.1	0.3	1.4	0.0	0.3	0.0	0.7	1.0	2.4
2 1	1.7	0.3	2.0	0.0	0.4	0.0	3.7	4.1	6.1
3 1	1.0	0.0	1.0	0.0	0.0	0.0	1.3	1.3	2.3
TOTAL	3.9	0.6	4.4	0.0	0.7	0.0	5.7	6.4	10.9
Average Weekend Witho	ut Fishin	q Opener	(May 18, 1	<u>985)</u>					
.1 1	1.3	0.3	1.7	0.0	0.3	0.0	0.5	0.8 :	2.5
2 1	1.7	0.3	2.0	0.0	0.3	0.0	3.7	4.0	6.0
3 1	0.8	0.0	0.8	0.0	0.0	0.0	1.2	1.2 1	2.0
TOTAL :	3.8	0.7	4.5	0.0	0.7	0.0	5.3	6.0 ;	10.5
Average Weekday !					<del></del>		<del></del>		
1 1	0.0	0.3		0.0	0.0	0.0	1.7	1.7	2.0
2 1	0.0	0.3	0.3		0.3	0.0	4.7	5.0 1	5.3
3 !	0.0	0.0	0.0		0.0	0.0	1.0	1.0 !	1.0
TOTAL !	0.0	0.7	0.7		0.3	0.0	7.3	7.7	8.3
BAY ! Average Weekend !				1					
nverage weekenu :	1.1	0.4	1.6	0.0	0.3	0.1	5.0	5.4	7.0
2 !	1.3	0.0	1.3		0.0	0.0	2.1	2.4	3.7
$\frac{2}{3}$ 1	2.7	0.3	3.0	0.0	0.6	0.0	2.9	3.4	6.4
4 1	4.6	0.9	5.4		0.6	0.3	5.1	6.0	11.4
<del></del> -5 ;	1.9	0.3	2.1	0.3	0.4	0.0	5.1	5.9	8.0
6 ;	1.9	0.3	2.1	0.6	0.1	0.0	3.6	4.3	6.4
7 !	0.7	0.1	0.9	0.0	0.0	0.4	2.7	3.1	4.0
8 1	2.0	0.1	2.1	0.0	0.7	0.3	4.9	5.9	8.0
9 !	0.4	0.3	0.7	0.0	0.0	0.0	1.4	1.4	2.1
TOTAL !	16.6	2.7	19.3		2.7	1.1	32.9	37.9 1	57.1
Average Weekend Withou	ıt Fishino	Opener (	May 18,1					1	
1	1.3	0.5	1.8	0.0	0.3	0.2	4.5	5.0	6.8
2 1	1.2	0.0	1.2	0.3	0.0	0.0	1.7	2.0 1	3.2
3	3.2	0.3	3.5	0.0	0.7	0.0	2.8	3.5	7.0
4 1	4.5	1.0	5.5		0.7	0.2	2.8	3.7 1	9.2
5 !	2.0	0.3	2.3	0.3	0.5	0.0	2.7	3.5	5.8
6 !	2.2	0.3	2.5	0.7	0.2	0.0	3.0	3.8 1	6.3
- <u>7 1</u>	0.8	0.2	1.0		0.0	0.5	2.0	2.5 1	3.5
8 !	2.3	0.2	2.5	0.0	0.8	0.3	4.0	5.2	7.7
9 !	0.3	0.3	0.7		0.0	0.0	1.3	1.3	2.0
TOTAL !	17.8	3.2	21.0	1.3	3.2	1.2	24.8	30.5	51.5
Average Weekday !		Α Α							
1 1	0.0	0.0	0.0		0.0	0.0	5.0	5.0 1	5.0
2 1	0.0	0.0	0.0		0.0		0.3	0.3 1	0.3
3 !	2.0	0.7	2.7		0.0	0.0	2.3	2.3 1	5.0
4 1	1.7	0.7	2.3 1	0.0	0.0	1.7	1.3	3.0 1	5.3
5 1	1.0 0.7	0.0	1.0 !		0.0	0.0	0.0	0.3 1	1.3
6 :	0.7	0.0	0.7 {	0.0	0.0	0.0 0.3	1.7	2.0 1	2.7
/ i	1.0	0.0	0.3	1.0	0.0	0.0	1.0 2.0	1.3	1.7
<u>0 i</u>	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.0 <u>1</u> 1.3 <u>1</u>	<u>4.0</u> 1.3
TOTAL :	6.7	1.3	8.0 }	1.3	0.0	2.0	15.0	18.7	<u> </u>
IVIAL I	<u> </u>	400	<u> </u>	Lau	V. J	4. 7	14.0	10./	40.7

CATEGORY II LAKES				•	•				
I ENKEU	Boa	ts With W	akes	!	Boats N	lithout Wa	ikes	;	Lake
LAKE/AREA I		With		: Beached				;	Area
) 	Other	Skiiers	Total	: Boats	Sailed	Canoe	Other	Total :	Total
FARM ISLAND :				<u>!</u>	<del></del>	· · · · · · · · · · · · · · · · · · ·		!	
Average Weekend	6.5	A D		1			~ .		
1 1 2 1	0.9	0.9	1.7	1 0.3	0.4	0.3	7.0	8.0 -1	9.7
2 : 3 :	2.0 2.9	0.3	2.3 3.1	0.0	0.4	0.0	10.9	11.3	13.6
<del>3  </del> 4	2.0	0.3	2.1	i 0.0 i 0.0	0.0	0.3	15.9 21.0	16.1 1 21.6 1	19.3 23.7
TOTAL :	7.7	1.6	9.3	1 0.3	1.1	0.9	54.7	57.0	66.3
<u> </u>				<u></u>			<del></del>		
Average Weekend Witho				185)					
1 !	1.0	1.0		0.3	0.5	0.2	5.8	6.8	8.8
2 !	1.8	0.3	2.2		0.5	0.0	8.3	8.8 1	11.0
3 <u>1</u> 4 1	2.2 1.7	0.3	2.5 1.8	· 0.0	0.0	0.3	6.3 9.2	6.7 : 9.8 :	9.2
TOTAL I	6.7	1.8		1 0.3	1.3	0.8	29.7	32.2 1	11.7 40.7
101.12	0,7	1.0	0.0	· v. ·	1.0	V.0		<u> </u>	7047
Average Weekday				!				i	
1 1	0.7	0.0		0.0	0.3	0.0	3.3	3.7 1	4.3
2 1	1.3	0.0		0.0	0.0	0.0	4.3	4.3	5.7
3 !	0.3	0.0		0.0	0.0	0.0	3.0	3.0	3.3
4 1	0.3	0.0		0.0	0.0	0.0	2,3	2.3	2.7
TOTAL :	2.7	0.0		: 0.0 !	0.3	0.0	13.0	13.3	16.0
Average Weekend :	·····			! !				<del>!</del>	
1 1	1.3	0.1		0.0	0.1	0.3	6.9	7.3 1	8.7
2 1	2.9	0.1	3.0		0.7	0.0	8.1	8.9 1	11.9
TOTAL !	4.1	0.3	4.4		0.9	0.3	15.0	16.1	20.5
Average Weekend Witho				185)			·	!	
1 1	1.2	0.2		0.0	0.2	0.3	5.0	5.5 1	6.8
2 1	3.0	0.2	3.2		0.8	0.0	6.8	7.7	10.8
TOTAL !	4.2	0.3	4,5	0.0	1.0	0.3	11.8	13.2 1	17.7
Average Weekday				<u> </u>					
1 !	1.0	0.3	1.3	0.0	0.0	0.0	3.0	3.0 :	4.3
2 !	0.7	0.3	1.0	0.0	0.3	0.3	6.0	6.7 ;	7.7
TOTAL :	1.7	0.7	2.3	0.0	0.3	0.3	9.0	9.7 1	12.0
SANDBAR !									
Average Weekend !	1.4	0.3	1.7	0.1	0.3	0.0	3.6	4.0 1	5.7
2 1	0.9	0.3	1.1		0.3	0.1	3.0	3.4 1	4.6
$\frac{2}{3}$	1.4	0.3	1.7	0.0	0.0	0.0	2.1	2.1	3.9
TOTAL 1	3.7	0.9	4.6		0.6	0.1	8.7	9.6	14.1
Average Weekend Witho 1 !	ut Fishing 1.7	Upener (i 0.3	7ay 18, 2.0	0.2	0.3	0.0	3.5	4.0 1	6.0
2 1	0.8	0.3	1.2		0.3	0.2	2.5	3.0 1	4.2
3 1	1.2	0.3	1.5		0.0	0.0	2.2	2.2	3.7
TOTAL :	3.7	1.0	4.7		0.7	0.2	8.2	9.2	13.8
A						,			_ <del></del>
Average weekday !	0.3	0.0	0.3	0.0	0.0	0.0	3.3	3.3	3.7
<del>1</del> 1 7 !	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.3	1.3
3 1	0.3	0.0	0.3	0.0	0.0	0.0	2.0	2.0	2.3
TOTAL I	0.7	0.0	0.7	0.0	0.0	0.3	6.3	6.7	7.3
				J-8					

CATEGORY II LAKES	. Roa	ts With W	lakes	!	Roste k	Iithout Wa	Vac		Lake
LAKE/AREA !		With		Beached	20003	TENDUE WO		1	Area
:	Other	Skiiers	Total	Boats	Sailed	Canoe	Other	Total !	Total
FARM ISLAND :				!				!	•
Average Weekend	^ ^						7.4		
1 1 2 1	0.9	0.9		1. 0.3	0.4	0.3	7.0	8.0	9.7
2 l 3 l	2.0 2.9	0.3	3.1	0.0	0.4	0.0	10.9 15.9	11.3   16.1	13.6 19.3
4 1	2.0	0.1	2.1	0.0	0.3	0.3	21.0	21.6	23.7
TOTAL :	7.7	1.6	9.3	0.3	1.1	0.9	54.7	57.0	66.3
Average Weekend Witho	out Fishina	Opener (	Mav 18.	185)				1.	
1	1.0	1.0		0.3	0.5	0.2	5.8	6.8 1	8.8
2	1.8	0.3		0.0	0.5	0.0	8.3	8.8	11.0
3 !	2.2	0.3	2.5	0.0	0.0	0.3	6.3	6.7 1	9.2
4 !	1.7	0.2	1.8	0.0	0.3	0.3	9.2	9.8	11.7
TOTAL !	6.7	1.8	8.5	0.3	1.3	0.8	29.7	32.2 !	40.7
Average Weekday				!				1	
1	0.7	0.0	0.7	0.0	0.3	0.0	3.3	3.7	4.3
2 !	1.3	0.0	1.3	0.0	0.0	0.0	4.3	4.3 1	5.7
3 !	0.3	0.0	0.3	0.0	0.0	0.0	3.0	3.0 !	3.3
7070	0.3	0.0	0.3	0.0	0.0	0.0	2.3	2.3	2.7
TOTAL !	2.7	0.0	2.7	0.0	0.3	0.0	13.0	13.3	16.0
ROUND-CROW WING : Average Weekend :				1					
HAGISTE MERKEUR !	1.3	0.1	1.4	0.0	0.1	0.3	6.9	7.3	8.7
2	2.9	0.1	3.0	0.0	0.7	0.0	8.1	8.9 1	11.9
TOTAL :	4.1	0.3	4.4	0.0	0.9	0.3	15.0	16.1	20.6
		·							
Average Weekend Witho				(85)				!	
1 1	1.2	0.2	1.3	0.0	0.2	0.3	5.0	5.5 !	6.8
2 !	3.0	0.2	3.2	0.0	0.8	0.0	6.8	7.7 !	10.8
TOTAL !	4.2	0.3	4.5	0.0	1.0	0.3	11.8	13.2	17.7
Average Weekday :				<u> </u>				!	
1 1	1.0	0.3	1.3	0.0	0.0	0.0	3.0	3.0	4.3
2 1	0.7	0.3	1.0		0.3	0.3	6.0	6.7	7.7
TOTAL :	1.7	0.7	2.3	0.0	0.3	0.3	9.0	9.7	12.0
SANDBAR :			·						
Average Weekend				~					
1 1 2 1	1.4	0.3	1.7		0.3	0.0	3.6	4.0 1	5.7
<u>2   1                                  </u>	0.9 1.4	0.3 0.3	1.1		0.3	0.1	3.0 2.1	3.4   2.1	4.6
TOTAL !	3.7	0.9	4.6		0.0	0.0	8.7	9.6	3.9 14.1
TOTAL 1	J.,	Vil	7.0	V.1	V.U	0.1	<u>u.</u> /	7.0 1	17.1
Average Weekend Witho					A 7	ΛΛ	3.5	1 0 1	
1 :	1.7 0.8	0.3	2.0 1 1.2	0.2	0.3 0.3	0.0	2.5	4.0 1 3.0 1	4.2
<del>2  </del> 7	1.2	0.3	1.5		0.0	0.0	2.2	2.2 1	3.7
TOTAL !	3.7	1.0	4.7	0.2	0.7	0.2	8.2	9.2	13.8
Average weekday :		.,	1					ı	
nierage weeksay 1	0.3	0.0	0.3	0.0	0.0	0.0	3.3	3.3	3.7
2	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.3	1.3
<u> </u>	0.3	0.0	0.3		0.0	0.0	2.0	2.0	2.3
TOTAL :	0.7	0.0	0.7		0.0	0.3	6.3	6.7	7.3

Boats With Wakes   Boats Without Wakes   Boats Without Wakes   Boats Without Wakes   Boats	8.0   11.3   16.1   21.6   57.0	13.6 19.3 23.7
Other   Skilers   Total   Boats   Sailed   Canoe   Other	8.0 ! 11.3 ! 16.1 ! 21.6 !	70tal 9.7 13.6 19.3
FARM ISLAND	8.0 ! 11.3 ! 16.1 ! 21.6 !	9.7 13.8 19.3
Average Weekend	11.3   16.1   21.6	13.8 19.3
1   0.9   0.9   1.7   0.3   0.4   0.3   7.0	11.3   16.1   21.6	13.8 19.3
3   2.9   0.3   3.1   0.0   0.0   0.3   15.9     4   2.0   0.1   2.1   0.0   0.3   0.3   21.0     TOTAL   7.7   1.6   9.3   0.3   1.1   0.9   54.7      Average Weekend Without Fishing Opener (May 18, 185)	16.1 ; 21.6 ;	19.
Average Weekend Without Fishing Opener (May 18, 185)  Average Weekend Without Fishing Opener (May 18, 185)    1	21.6	
Average Weekend Without Fishing Opener (May 18, 185)    1		23.7
Average Weekend Without Fishing Opener (May 18, 185)    1	57.0 :	
1		66.
1		,
3   2.2   0.3   2.5   0.0   0.0   0.3   6.3     4   1.7   0.2   1.8   0.0   0.3   0.3   9.2     TOTAL   6.7   1.8   8.5   0.3   1.3   0.8   29.7      Average Weekday                   1   0.7   0.0   0.7   0.0   0.3   0.0   3.3     2   1.3   0.0   1.3   0.0   0.0   0.0   0.0   4.3     3   0.3   0.0   0.3   0.0   0.0   0.0   0.0   3.0     4   0.3   0.0   0.3   0.0   0.0   0.0   0.0   2.3     TOTAL   2.7   0.0   2.7   0.0   0.3   0.0   13.0      ROUND-CROW WINS                 Average Weekend               1   1.3   0.1   1.4   0.0   0.1   0.3   6.9     2   2.9   0.1   3.0   0.0   0.7   0.0   8.1     TOTAL   4.1   0.3   4.4   0.0   0.9   0.3   15.0      Average Weekend Without Fishing Opener (May 18, 185)	6.8	8.1
A   1.7   0.2   1.8   0.0   0.3   0.3   9.2	8.8	11.0
TOTAL   6.7   1.8   8.5   0.3   1.3   0.8   29.7	6.7 !	9.
Average Weekday	9.8 1	11.7
1   0.7   0.0   0.7   0.0   0.3   0.0   3.3	32.2 !	40.
2   1.3   0.0   1.3   0.0   0.0   0.0   4.3   3   1   0.3   0.0   0.3   1   0.0   0.0   0.0   3.0   4   1   0.3   0.0   0.3   1   0.0   0.0   0.0   0.0   2.3   10.0   0.0   0.0   0.0   13.0   10.0   0.0   0.3   0.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13.0   13		
3   0.3   0.0   0.3   0.0   0.0   0.0   3.0	3.7 1	4.
A	4.3 :	5.7
TOTAL   2.7 0.0 2.7   0.0 0.3 0.0 13.0  ROUND-CROW WING	3.0 l 2.3 l	3.3 2.7
ROUND-CROW WINE	13.3	16.0
Average Weekend	10.0 1	10.
1   1.3   0.1   1.4   0.0   0.1   0.3   6.9   2   2.9   0.1   3.0   0.0   0.7   0.0   8.1   TOTAL   4.1   0.3   4.4   0.0   0.9   0.3   15.0    Average Weekend Without Fishing Opener (May 18, 185)	<del></del>	
2   2.9 0.1 3.0   0.0 0.7 0.0 8.1 TOTAL   4.1 0.3 4.4   0.0 0.9 0.3 15.0 Average Weekend Without Fishing Opener (May 18, 185)	7.3	8.7
TOTAL : 4.1 0.3 4.4 : 0.0 0.9 0.3 15.0  Average Weekend Without Fishing Opener (May 18, 185)	8.9	11.9
	16.1	20.8
	5.5 !	6.8
2   3.0 0.2 3.2   0.0 0.8 0.0 6.8 TOTAL   4.2 0.3 4.5   0.0 1.0 0.3 11.8	7.7   13.2	10.E
TDTAL : 4.2 0.3 4.5 : 0.0 1.0 0.3 11.8	10.2 1	1/./
Average Weekday	1	
1   1.0 0.3 1.3   0.0 0.0 0.0 3.0	3.0 !	4.3
2   0.7 0.3 1.0   0.0 0.3 0.3 6.0	6.7 !	7.7
TOTAL : 1.7 0.7 2.3 : 0.0 0.3 0.3 9.0	9.7	12.0
SANDBAR ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	<del></del>	
1   1.4 0.3 1.7   0.1 0.3 0.0 3.6	4.0	5.7
2   0.9 0.3 1.1   0.0 0.3 0.1 3.0	3.4	4.6
3   1.4 0.3 1.7   0.0 0.0 0.0 2.1	2.1	3.9
TOTAL : 3.7 0.9 4.6 : 0.1 0.6 0.1 8.7	9.6	14.1
Average Weekend Without Fishing Opener (May 18, 185)	•	
1   1.7   0.3   2.0   0.2   0.3   0.0   3.5	4.0 1	6.0
2 1 0.8 0.3 1.2 1 0.0 0.3 0.2 2.5	3.0 1	4.2
3   1.2 0.3 1.5   0.0 0.0 0.0 2.2	2.2 1	3.7
TOTAL : 3.7 1.0 4.7 : 0.2 0.7 0.2 8.2	9.2	13.8
Average weekday ! ! !	_	
1   0.3 0.0 0.3   0.0 0.0 0.0 3.3		•
2   0.0 0.0 0.0   0.0 0.0 0.3 1.0	3.3 !	
3   0.3 0.0 0.3   0.0 0.0 0.0 2.0	3.3 ¦	1.3
TOTAL : 0.7 0.0 0.7 : 0.0 0.0 0.3 6.3	3.3 !	3.7 1.3 2.3 7.3

CATEGORY II LAKES										
1	Во	ats With W	lakes_	!		Boats W	lithout Wa	kes	. !	Lake
LAKE/AREA		With		I	Beached				1 i	Area
1_	Other	Skiiers	Total	1	Boats	Sailed	Cance	Other	Total !	Total
SYLVAN !				!					1	
Average Weekend !				!	· · · · · · · · · · · · · · · · · · ·				!	
1 !	2.0	0.0	2.0	!	0.0	0.3	0.9	5.9	7.0 :	9.0
2 1	1.4	0.6	2.0	!	0.0	0.4	0.6	5.1	6.1 1	8.1
TOTAL :	3.4	0.6	4.0	1	0.0	0.7	1.4	11.0	13.1 ;	17.1
Average Weekend Witho	ut Fishin	q Opener (	May 18,	(85)						
1 1	2.2	0.0	2.2	) 	0.0	0.3	0.7	4.7	5.7 !	7.8
2 !	1.5	0.7	2.2	!	0.0	0.5	0.5	4.8	5.8 1	8.0
<u>TOTAL 1</u>	3.7	0.7	4.3	!	0.0	0.8	1.2	9.5	11.5	15.8
Average Weekday !				!					;	
1 !	1.3	0.0	1.3	1	0.0	0.0	0.0	2.0	2.0 !	3.3
2 1	2.0	0.7	2.7	!	0.0	0.3	0.3	3.7	4.3 1	7.0
TOTAL !	3.3	0.7	4.0	1	0.0	0.3	0.3	5.7	6.3 1	10.3
BORDEN :				! i					1	
Averace Weekend				!					!	
1 !	0.7	0.0	0.7	1	0.0	0.0	0.3	4.7	5.0 1	5.7
2 !	0.3	0.0	0.3	1	0.0	0.0	0.0	2.4	2.4	2.7
3 1	0.7	0.1	0.9	i I	0.0	0.0	0.1	4.0	4.1	5.0
TOTAL :	1.7	0.1	1.9	1	0.0	0.0	0.4	11.1	11.6	13.4
Average Weekend Witho	ut Fishin	o Opener (	Mav 18.	(85)					# 1	
1 1	0.8	0.0	0.8	-	0.0	0.0	0.0	3.2	3.2	4.0
2 1	0.2	0.0	0.2		0.0	0.0	0.0	2.3	2.3	2.5
3	0.7	0.2	0.8	!	0.0	0.0	0.2	3.0	3.2	4.0
TOTAL !	1.7	0.2	1.8	i i	0.0	0.0	0.2	8.5	8.7	10.5
Averace Weekday				!					!	
1	0.0	0.0	0.0	1	0.0	0.0	0.0	1.3	1.3	1.3
2 1	0.3	0.0	0.3	1	0.0	0.0	0.0	1.0	1.0	1.3
3	0.3	0.0	0.3	I I	0.0	0.0	0.0	1.3	1.3	1.7
TOTAL !	0.7	0.0	0.7	1	0.0	0.0	0.0	3.7	3.7	4.3

CATEGORY II LAKES									
<u>!</u>	Bo	ats With 1	lakes	! i	Boats N	lithout Wa	ikes		Lake
LAKE/AREA :		With		! Beached				1	Area
!	Other	Skiiers	Total	! Boats	Sailed	Canoe	Other	Total	Total
CLEARWATER :				1		······································	***************************************	i	
Average Weekend :				!				: !	
<u>1                                    </u>	0.6	0.0	0.6	0.0	0.0	0.1	2.7	2.9	3.4
<u>2_1</u>	0.4	0.0	0.4	1 0.6	0.1	0.3	3.7	4.7 ;	5.1
<u>TOTAL 1</u>	1.0	0.0	1.0	1 0.6	0.1	0.4	6.4	7.6	8.8
Average Weekend Witho		o Opener		185)			***	) 	
1 !	0.5	0.0	0.5	1 0.0	0.0	0.2	2.3	2.5	3.0
2 1	0.3	-0.0	0.3	0.7	0.2	0.3	2.8	4.0	4.3
TOTAL !	0.8	0.0	0.8	1 0.7	0.2	0.5	5.2	6.5 1	7.3
Average Weekday :				! !				1	
1 }	0.0	0.0	0.0	0.0	0.0	0.0	2.0.	2.0 }	2.0
2_1	0.7	0.0	0.7	0.0	0.0	0.0	1.0	1.0	1.7
TOTAL	0.7	0.0	0.7	1 0.0	0.0	. 0.0	3.0	3.0	3.
INGUADONA :				i				!	
Average Weekend !				!			···	!	•
1 1	1.0	0.1	1.1	0,0	0.1	0.0	4.7	4.9 1	6.0
. <u>2 1</u>	0.4	0.0	0.4	1 0.0	0.1	0.0	5.3	5.4	5.9
3 !	0.4	0.0	0.4	0.0	0.0	0.0	1.0	1.0 1	1.4
<u>TOTAL :</u>	1.9	0.1	2.0	1 0.0	0.3	0.0	11.0	11.3	13.3
Average Weekend Witho	out Fishin	o Opener (	(Mav 18.	185)				!	
1 !	1.2	0.2	1.3	0.0	0.2	0.0	3.3	3.5	4.8
2 1	0.3	0.0	0.3	0.0	0.2	0.0	4.0	4.2 1	4.5
3 1	0.3	0.0	0.3	0.0	0.0	0.0	0.7	0.7	1.0
TOTAL !	1.8	0.2	2.0	0.0	0.3	0.0	8.0	8.3	10.3
Average Weekdav			3	!				!	
1	0.7	0.3	1.0	0.0	0.0	0.0	3.7	3.7 1	4.7
<del>1</del> 1	0.3	0.0		0.0	0.0	0.0	2.3	2.3	2.7
3 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL 1	1.0	0.3	1.3	1 0.0	0.0	0.0	6.0	6.0	7.3
ROUND-AITKIN :	***	V. V.				· · · ·		1	/10
Average Weekend !				1				!	
TOTAL !	0.7	0.4		0.0	0.0	0.0	4.6	4.6	5.7
Average Weekend Witho	nut Fishio	n Onener	(Mav 18.	185)				!	
TOTAL !		0.5	1.3		0.0	0.0	5.0	5.0	6.3
Average Weekday	0.7	0.0	0.7	. 0.0	0.0	0.0	2.3	2.3	3.0
TITLE BUL WELKERS	V1/	<u>~~~</u>	V # /	V. V. V	<u></u>	217		<u> </u>	

CATEGORY III LA	<u>KES</u>											
	<u>!</u>	Bo	Boats With Wakes !			Boats Without Wakes						
<u>LAKE/AREA</u>	!		With		! Beached				1	Area		
	1 1	Other	Skiiers	Total	! Boats	Sailed	Cance -	Other	Total !	Total		
CLARK	,				•							
Average Weekend	i	Λ 1	0.3	^ 1	i 1 00	0.1	Λ Λ	0.1	0.7			
	1 1 2 1		0.0	0.4	1 0.0	0.1	0.0	0.6 1.4		1.		
	TOTAL 1		0.3	0.9	1 0.0	0.0	0.0	2.0	2.1	1.9 3.0		
	10:HL 1	V. B	V. 3	V • 7	1 0.0	Val	V. V	2.0	414 1	V.1		
Average Weekend	Without Fis	hinn Onener	(May 18.	1985)	!							
	1	0.2	0.2	0.3	0.0	0.2	0.0	0.3	0.5	0.1		
	2 1	0.3	0.0	0.3	0.0	0.0	0.0	1.5	1.5	1.8		
	TOTAL		0.2	0.7	0.0	0.2	-0.0	1.8	2.0	2.7		
		***************************************										
Average Weekday	`1 1				! i				!			
	1 !	0.3	0.0	0.3	0.0	0.3	0.3	2.3	3.0	3.3		
	2 !	-0.3	0.0	0.3	0.0	0.0	0.0	0.7	0.7 1	·1·.(		
	TOTAL !	0.7	0.0	0.7	0.0	0.3	0.3	3.0	3.7 1	4.		
		•					•					
EMILY/MARY	· · !	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>			·				1 1			
Average Weekend	1	······································			<u> </u>							
	1 1	1.0	0.0	1.0		0.0	0.0	9.1	9.1	10.1		
	2 - 1	1.7	0.1	2.0		0.1	0.0	4.1	4.3 1	6.		
	TOTAL !	2.9	0.1	3.0	0.0	0.1	0.0	13.3	13.4	16.4		
A H1	unikali Fran	Li <b>O</b>	/M (0	1005)	,							
Average Weekend	Without Fish	ning upener 0.5	0.0	0.5	0.0	0.0	0.0	4.2	4.2	4 7		
	2 1	1.8	0.0	1.8	0.0	0.0	0.0	2.2	2.3	4.7 4.2		
	Total :	2.3	0.0	2.3		0.2	0.0	6.3	6.5	8.8		
	10101 1	210	V.V	210 1		V12	<u>v.</u> v	<u> </u>	<u> </u>	<u> </u>		
Average Weekday	!			!					Į.			
	1 !	0.3	0.0	0.3	0.0	0.0	0.0	3.3	3.3	3.7		
	2 !	0.7	0.0	0.7	0.0	0.0	0.0	1.3	1.3	2.0		
	TOTAL :	1.0	0.0	1.0		0.0	0.0	4.7	4.7	5.7		
LITTLE BOY					•							
Averace Weekend	1 i			!								
	1 !	0.3	0.0	0.3 /	2.9	0.0	0.0	2.6	5.4	5.7		
	2 !	1.4	0.0	1.4 1		0.1	0.0	5.9	6.0 1	7.4		
	3	0.4	0.0	0.4	0.0	0.6	0.1	7.4	8.1	8.6		
	TOTAL !	2.1	0.0	2.1	2.9	0.7	0.1	15.9	19.6	21.7		
Average Weekend												
	1 1	0.3	- 0.0	0.3 1		0.0	0.0	1.3	1.3	1.7		
	2 1	1.0	V 1 V	1.0		0.2	0.0	4.7	4.8 1	5.8		
	3 !	0.3	0.0	0.3 1		0.7	0.2	6.2	7.0 1	7.3		
	TOTAL :	1.7	0.0	1.7 1	0.0	0.8	0.2	12.2	13.2	14.8		
Average Weekday				1					1			
Use one Mestral	1	0.3	0.0	0.3	. 0.0	0.0	0.0	1.7	1.7 "	2.0		
	7 !	0.3	0.0	0.3	0.0	0.0	0.0	3.0	3.0	3.3		
	3 1	0.0	0.0	0.0	0.0	1.0	0.0	4.0	5.0 1	5.0		
	TOTAL !	0.7	0.0	0.7		1.0	0.0	8.7	9.7	10.3		
		V . /		<del></del>	VIV		VIV		· · · · · · · · · · · · · · · · · · ·	1010		

CATEGORY III LAK	<u>ES</u>										
		<u> </u>	Bo	ats With	Wakes	<u> </u>		Without W	lakes		<u>Lake</u>
LAKE/AREA		<u> </u>		With		! Beache					Area
		<u> </u>	Other	Skiiers	Total -	: Boats	Sailed	Canoe	Other	Total !	<u>Total</u>
NORD		<del></del>									
Average Weekend		_ <u>i</u> _	^ *					^ ^		<u> </u>	
	1_		0.4	0.0	0.4	1 0.			3.6	4.0	4.4
	2	1	0.0	0.0	0.0	0.			0.4	0.4	0.4
	TOTAL	i	0.4	0.0	0.4	<u>: 0.</u>	4 0.0	0.0	4.0	4.4 ;	4.9
Average Weekend	dithout_	Fishir	ng Opener	(May 18,	1985)						
	1	1	0.5	0.0	0.5	0.	0.0	0.0	3.5	3.5	4.0
	2	1	0.0	0.0	0.0	0.	0.0	0.0	0.3	0.3	0.3
	TOTAL	ì	0.5	0.0	0.5	0.	0.0	0.0	3.8	3.8	4.3
Average Weekday		1								1	
	1_	! !	0.0	0.0	0.0	0.	0.0	0.0	1.7	1.7	1.7
	2_	1	0.0	0.0	0.0	0.	0.0	0.0	0.0	0.0	0.0
	TOTAL	!	0.0	0.0	0.0	0.	0.0	0.0	1.7	1.7	1.7
WAUKENABO		!						•			
Average Weekend		İ	0.9	0.0	0.9	0.	0.0	0.0	8.3	8.7 1	9.6
Average Weekend i	J: 46 k	r: -k:-		/M= 10	1005)					,	
HARLEGE MERKELIN I	#1 thout	1 5011	<u>opener</u> 0.3	0.0	0.3	0.	0.0	0.0	4.2	4.2	4.5
		<u></u>	0.0	V.V	V.J (	<u> </u>	<i>y</i> <b>v.</b> v	V.V	4.2	4.2 1	4.3
Average Weekday		1	0.0	0.0	0.0	0.	3 0.0	0.0	1.7	2.0	2.0
PPOHAPAWAU		1									
ESQUAGAMAH	~	<u> </u>	0.0	Λ Λ	0.0		5 0.0	Λ (	7.3	8.0	σ Λ
Average Weekend			<u> </u>	0.0	V. V	0.	5 0.0	0.1	/.3	0.V i	8.0
Average Weekend W	lithout F	ishin	g Opener	(May 18,	1985)					!	
		1	0.0	0.0	0.0	0.	0.0	0.2	5.7	5.8	5.8
Average Weekday		!	0.3	0.0	0.3	0.0	0.0	0.0	3.0	3.0 1	3.3

MATTIE   Other Stilers   Total   Beaths   Sailed   Canne   Other   Total   T	CATEGORY III LAKES									
HATTIE   Other Skijers Total   Boats Sailed Cance Other Total   Total   Total   Werkage Weekend		! Bo		lakes	<u> </u>	Boats	∉ithout ¥a	ikes		Lake
HATTIE : : : : : : : : : : : : : : : : : : :	LAKE/AREA	i .							<u> </u>	Area
Average   Neekend   1		<u>Other</u>	Skilers	Total	! Boats	Sailed	Canoe	Other	Total !	Total
1   0.3   0.0   0.3   0.0   0.0   0.0   0.0   2.7   2.9   3   3   0.3   0.0   0.0   0.7   0.0   0.1   0.7   0.9   1   3   3   0.3   0.3   0.0   0.3   0.0   0.0   0.1   0.7   0.9   1   3   4   0.0   0.0   0.0   0.0   0.0   0.1   0.7   0.9   1   1   0.0   0.0   0.0   0.0   0.1   0.7   0.9   1   1   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0					<u>!</u>	M-			<u> </u>	
1	Average Weekend	<u>.</u>			i 	^ ^			<u> </u>	
Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   Series   S	1									1.0
A     0.0   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.5   0.0   0.0   0.0   0.0   0.4   0.5   0.0   0.0   0.0   0.0   0.1   0.0   0.1   0.0   0.4   0.5   0.0   0.1   0.0   0.1   0.0   0.4   0.5   0.0   0.1   0.0   0.1   0.0   0.4   0.5   0.0   0.1   0.0   0.1   0.0   0.4   0.5   0.0   0.1   0.0   0.1   0.0   0.4   0.5   0.0   0.7   0.0   0.1   0.0   0.4   0.5   0.0   0.7   0.1   0.0   0.2   0.1   0.5   0.0   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1   0.1										3.6
S   0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.4 0.6   0.0     TOTAL	<u>\</u>									1.
Average Weekend Mithout Fishing Opener (May 18, 1985) :    1	4									0.4
Average Weekend Without Fishing Opener (May 18, 1985) : : : : : : : : : : : : : : : : : : :	<u>5</u>									0.0
1   1   0.3   0.0   0.3   0.0   0.0   0.0   0.0   1.3   1.3   1   1   2   1   0.7   0.0   0.7   0.0   0.2   0.0   2.3   2.5   3   3   3   3   3   0.3   0.0   0.3   0.0   0.0   0.0   0.0   0.0   0.2   0.0   0.1   1   1   4   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   0.0   0.0   0.0   0.0   0.0   0.0   0.	IUIAL	<u>i 1.3</u>	0.0	1.3	i V.U	0.5	V.1	3.6	6.U i	7.3
2   0.7   0.0   0.7   0.0   0.2   0.0   2.3   2.5   3   3   0.3   0.0   0.3   0.0   0.0   0.0   0.0   0.2   0.8   1.0   1   1   4   0.0   0.0   0.0   0.0   0.0   0.0   0.2   0.8   1.0   1   1   1   1   1   1   1   1   1	Average Weekend Without Fi	shing Opener	(May 18,	1985)	!				† 1	
3   0.3   0.0   0.5   0.0   0.0   0.2   0.8   1.0   1   1   4   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.2   0.2   0   0   5   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.2   0.2   0   0   101AL   1.3   0.0   1.3   0.0   0.3   0.2   5.2   5.7   7   7   7   7   7   7   7   7   7	1	0.3	0.0	0.3	0.0	0.0	0.0	1.3	1.3 4	1.7
3   0.3   0.0   0.5   0.0   0.0   0.2   0.8   1.0   1   1   4   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.2   0.2   0   0   5   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.2   0.2   0   0   101AL   1.3   0.0   1.3   0.0   0.3   0.2   5.2   5.7   7   7   7   7   7   7   7   7   7	2	0.7	0.0	0.7	0.0	0.2	0.0	2.3	2.5	3.2
S   0.0   0.0   0.0   0.0   0.2   0.0   0.5   0.7   0	3	0.3	0.0	0.3	0.0	0.0	0.2	0.8	1.0	1.3
S   0.0   0.0   0.0   0.0   0.2   0.0   0.5   0.7   0	4	0.0		0.0	0.0		0.0	0.2	0.2	0.2
Average Weekend Without Fishing Opener (May 18, 1985)	5	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.7	0.7
1   0.0   0.0   0.0   0.0   0.0   0.0   1.7   1.7   1   1   2   1   0.7   0.0   0.7   0.0   0.0   0.0   0.0   1.7   1.7   1   1   2   1   0.7   0.0   0.7   0.0   0.0   0.0   0.0   0.7   0.7   1   1   3   1   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0	. <u>Total</u>	1.3	0.0	1.3	0.0	0.3	0.2	5.2	5.7	7.0
1   0.0   0.0   0.0   0.0   0.0   0.0   1.7   1.7   1   1   2   1   0.7   0.0   0.7   0.0   0.0   0.0   0.0   1.7   1.7   1   1   2   1   0.7   0.0   0.7   0.0   0.0   0.0   0.0   0.7   0.7   1   1   3   1   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0										
2   0.7   0.0   0.7   0.0   0.0   0.0   0.7   0.7   1   1     3   1   0.3   0.0   0.3   0.0   0.0   0.0   0.0   0.0   0.3   0.3   0.3   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   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   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   0.0   0.0   0.0   0.0   0.0			Λ Λ	Λ Λ	<u> </u>	Λ Λ		1 7	171	4 5
Note	<del></del>									1.7
4   0.0   0.0   0.0   0.0   0.0   0.0   0.0   1.0   1.0   1.0   1   1   5   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.7   0.7   0.0   10TAL   1.0   0.0   0.0   1.0   0.0   0.0   0.0   0.0   0.0   0.3   4.3   4.3   5   5	<del></del>									1.3
S   0.0   0.0   0.0   0.0   0.0   0.0   0.7   0.7   0.7   0   10   10   10   10   10   10   10	<u>3</u>									0.7
MOCCASIN	<del>*</del>									1.0
MOCCASIN	J TOTAL									0.7
Average Weekend Without Fishing Opener (May 18, 1985) : : : : : : : : : : : : : : : : : : :	IU!HL :	1.0	V.V	1.0	V.V	. 0.0	0.0	4.0	4.0 1	4.0
Average Weekend Without Fishing Opener (May 18, 1985)					!				1	
Average Weekend Without Fishing Opener (May 18, 1985)  1	Average Weekend	0.3	0.0	0.3	1.1	0.0	0.3	1.4	2.9	3.1
Average Weekend Without Fishing Opener (May 18, 1985)  1	Avarana Waaband Without Fig	china Ansasr	/May 10	1995)	ı				į	
Average Weekend Without Fishino Opener (May 18, 1985)  1	nverage weerend without it:				0.8	0.0	0.3	1.7	2.3 !	2.7
Average Weekend	<del>'</del>	<u></u>		V. C		¥ • • •				
Average Weekend	Average Weekday	0.0	0.0	0.0	0.7	0.0	0.0	1.3	2.0	2.0
Average Weekend	OFFICEN			1						
1   0.4   0.3   0.7   0.0   0.0   0.0   0.7   0.7   1.   1.   2   1   0.6   0.0   0.6   0.0   0.0   0.0   0.7   0.7   1.   1.   1.0   1.0   1.3   1.3   0.0   0.0   0.0   0.0   0.7   0.7   1.   1.   1.0   1.4   1.4   2.   1.4   1.4   2.   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4					<u> </u>					
2   0.6   0.0   0.6   0.0   0.0   0.0   0.7   0.7   1.     TOTAL   1.0   0.3   1.3   0.0   0.0   0.0   0.0   1.4   1.4   2.     Average Weekend Without Fishing Opener (May 18, 1985)	1	0.4	0.3	0.7	0.0	0.0	0.0	0.7	0.7	1.4
Average Weekend Without Fishing Opener (May 18, 1985)										1.3
Average Weekend Without Fishing Opener (May 18, 1985)	<del></del>									2.7
1   0.5   0.3   0.8   0.0   0.0   0.0   0.8   0.8   1.     2   0.7   0.0   0.7   0.0   0.0   0.0   0.5   0.5   1.     TOTAL   1.2   0.3   1.5   0.0   0.0   0.0   0.0   1.3   1.3   2.     4   2   1   0.3   0.0   0.3   0.0   0.0   0.0   0.7   0.7   1.     2   0.0   0.3   0.3   0.0   0.0   0.0   0.7   0.7   1.	101110	<u> </u>			<u>```</u>					
2   0.7   0.0   0.7   0.0   0.0   0.0   0.5   0.5   1.	Average Weekend Without Fig								<u> </u>	
Average Weekday : : : : : : : : : : : : : : : : : : :	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			0.8 !		0.0	0.0			1.7
Average Weekday : : : : : : : : : : : : : : : : : : :	<del></del>									1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	TOTAL ;	1.2	0.3	1.5	0.0	0.0	0.0	1.3	1.3	2.8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Average Weekday !			!					!	
2 1 0.0 0.3 0.3 1 0.0 0.0 0.0 0.7 0.7 1 1.	1	0.3	0.0	0.3	0.0	0.0	0.0	0.7	0.7	1.0
	- 2 ;									1.0
	TOTAL I									2.0

CATEGORY IV L										
1 AVE /ADEA	<u>i</u>	Boats With	Makes	<u> </u>	Deschad	Boats W	ithout Wa	ikes	<del></del>	<u>Lake</u>
LAKE/AREA	l Other	With Skilers	Total	1	Beached Boats	Sailed	Canoe	Other	Total :	<u>Area</u> Total
EAGLE	! ULHE:	JEILEIS	IOLEI	<del>+</del>	DUELS	Jailen	Callue	ULHEI	iotai i	IULAI
Average Weeks	ind			<del>'</del>					!	
1	1 0.	0.0	0.1	÷	0.0	0.0	0.1	3.9	4.0 1	4.1
. 2	1 0.1		0.1	;	0.0	0.0	0.0	1.4	1.4	1.6
3	0.		0.1	1	0.0	0.0	0.0	0.7	0.7_1	0.9
TOTAL	1 0.4	0.0	0.4	i	0.0	0.0	0.1	6.0	6.1 !	6.6
Average Weeks	end Withou	t Fishing O	pen <i>er</i> (Ma	y 1	8, 1985)				!	
1	1 0.7		0.2	1	0.0	0.0	0.0	4.0	4.0 1	4.2
2	1 0.3	2 0.0	0.2	!	0.0	0.0	0.0	1.0	1.0 -1	1.2
. 3	1 0.2	0.0	0.2	I I	0.0	0.0	0.0	0.7	0.7 1	0.8
TOTAL	0.5	0.0	0.5	į	0.0	0.0	0.0	5.7	5.7	6.2
Average Weeko	lav			:					1	
1	1 0.3	0.0	0.3	i i	0.0	0.0	0.0	2.0	2.0	2.3
2	1 0.3	0.0	0.3	1	0.0	0.0	0.0	1.3	1.3	1.7
3	1 0.0	0.0	0.0	;	0.0	0.0	0.0	0.3	0.3 !	0.3
TOTAL	0.7	0,0	0.7	1	0.0	0.0	0.0	3.7	3.7 1	4.3
HANSEN	•			•					1	
Average Weeke	ind			!					<del></del>	
	0.1	0.0	0.1	1	0.0	0.0	0.0	0.9	0.9 !	1.0
2	1 0.0		0.0	!	0.0	0.0	0.0	1.3	1.3	1.3
TOTAL	1 0.1	0.0	0.1	!	0.0	0.0	0.0	2.1	2.1	2.3
Average Weeke	nd Without	. Fishing Op	ener (May	/ 1	8. 1985)		•		. }	
	1. 0.2		0.2	1	0.0	0.0	0.0	1.0	1.0	1.2
2	1 0.0	0.0	0.0	1	0.0	0.0	0.0	1.0	1.0	1.0
TOTAL	0.2	0.0	0.2	!	0.0	0.0	0.0	2.0	2.0	2.2
Average Weekd	ay			!					!	
1	0.0	0.0	0.0	1	0.0	0.0	0.0	0.3	0.3 :	0.3
2	1 0.0	0.0	0.0	!	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	1	0.0	0.0	0.0	0.3	0.3	0.3
LITTLE THUNDE	R			!				•	!	
Average Weeke		0.0	0.9	!	0.0	0.0	0.0	1.6	1.6	2.4
Average Weeke	nd Without	Fishina Na	enar (May	. 15	9, 1985\				!	
	1.0			1	0.0	0.0	0.0	1.2	1.2	2.2
Average Weekd			0.0	!	0.0	0.0	0.3	0.3	0.7	0.7
	<u></u>			<del></del>	***					21/

CATEGORY IV	LAKES		oats With W	abar	1		Doste #	lithout Wa	lae .	!	Lake
LAKE/AREA	!	D.C.	With	4845	!	Beached	DUACS H	TEHOUE #8		<del></del>	Area
ERAL/ HALH	<u> </u>	Other		Total	<del>-</del>	Boats	Sailed	Canoe	Other	Total !	Total
LDON	1				1					!	
Average Weeks	end	0.6	0.1	0.7	!	0.0	0.0	0.3	1.0	1.3 1	2.0
<u>Average Week</u>	<u>end l</u>				<u>y 1</u>					1 2 1	
	<u> </u>	0.7	0.2	0.8	<u> </u>	0.0	0.0	0.3	0.8	1.2	2.0
Average Week	dau	0.0	0.0	0.0	!	0.0	0.0	0.3	2.7	3.0 1	3.0
nve: Bue #eek!	<u>иш у</u>	V.V	VIV	VIV			Viv	V. V	2:1	3.0 1	0,0
WHITE SAND	1				1					!	
Average Weeks	end	0.6	0.3	0.9	1	0.0	0.3	0.3	3.6	4.1	5.0
Average Weeks	end W						. 7				
	<u>;                                    </u>	0.7	0.3	1.0	!	0.0	0.3	0.2	2.2	2.7	3.7
Average Weekd	<b>.</b>	0.3	0.0	0.3	,	0.0	0.3	0.0	3.3	3.7	4.0
mre: age weeks	ау	V. U	V.V	0.0	<del>'</del>	V. V	V.U	V. U	0.0	<u> </u>	7.0
HANGING KETTL	E				!					. !	
Average Weeke	end	0.7	0.0	0.7	i i	0.0	0.3	0.0	4.7	5.0 1	5.7
Average Weeke	end k										
	!	0.5	0.0	0.5	!	0.0	0.3	0.0	4.0	4.3	4.8
Augnon washi	1	Λ.7	Λ Λ	۸ 7		Λ Λ	۸ ۸	۸ ۸	1.0	1.0	. 7
Average weeks	Jay	0.3	0.0	0.3	<u> </u>	0.0	0.0	0.0	1.0	1.0 1	1.3
BASS	1				!			•		;	
Average Weeks	end	0.9	0.1	1.0	i I	0.0	0.0	0.0	3.0	3.0 1	4.0
Average Weeke	nd ¥									!	
	<u>!</u>	1.0	0.2	1.2		0.0	0.0	0.0	2.2	2.2 1	3.3
A.,		Λ Λ	۸ ۸	Λ Λ	,	Λ Λ	۸۸	Λ Λ	4 7	171	1.7
Average weekd	<u>ay</u>	0.0	0.0	0.0	<u> </u>	0.0	0.0	0.0	1.3	1.3	1.3
PINE	1				!					!	
Average Weeke	nd	0.1	0.0	0.1	1	0.0	0.0	0.1	2.0	2.1	2.3
Average Weekend Without Fishing Opener (May 18, 1985)											
	<u>!</u>	0.2	0.0	0.2	! i	0.0	0.0	0.2	1.7	1.8 1	2.0
					,				, ~		
Average weekd	lay	0.0	0.0	0.0	1_	0.0	0.0	0.0	1.7	1.7	1.7

#### APPENDIX K

BOAT COUNT FROM VARIOUS ACCESS TYPES

			. •	•				
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		Designated	Other	Resort &	Resident,	
DATEDORY 4 LAWED	<b>#1</b> · <b>#</b> ·	Public	Public	Private	Seasonal	TSTAL
CATEGORY 1 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
Marri 10 Hants and						
May 18, Week-end	/D. 70 10.70\	770	4 004	4 004	4 444	4 004
Mille Lacs	(9:32-10:39)	772	1,994	1,004	1,111	4,881
Gull Chain	(2:29-2:47)	110	17	210	318	<u>638</u>
Whitefish	(1:58-2:21)	43	13	131	243	430
Pelican	(1:47)	48	0.007	4 745	86	134
TOTAL	<del></del>	973	2,007	1,345	1,758	6,083
	•	16.0%	33.0%	22.17	28.9%	100.0%
•		•				
June 1, Week-end		64 DEGREES, S	OUTH WIND	B KNOTS		,
Mille Lacs	(9:32-10:39)	179	187	232	147	745
Gull Chain	(2:29-2:49)	41		50	61	152
Whitefish	(2:03-2:21)	19	3	28	42	92
Pelican	(1:47-1:55)	10		ŧ	16	26
TOTAL		249	190	310	266	1,015
		24.5%	18.7%	30.5%	26.2%	100.0%
June 19, Weekday				T WIND 9 KNOTS	-	
Mille Lacs	(5:17-6:20)	37	57	45	60	199
<u>Gull Chain</u>	(1:15-1:41)	20		75	53	148
Whitefish	(2:02-2:33)	17	1	71	61	150
Pelican	(1:47-1:57)	2		<u> </u>	32	34
TOTAL		. 76	58	191	206	531
		14.3%	10.9%	36.0%	38.8%	100.07
June 29, Week-end		AO DERREES. P	ARTIY CINII	Y, W-NW WIND	5 KNOTS	
Mille Lacs	(6:33-7:34)	115	85	150	217	567
Gull Chain	(5:42-6:10)	89		60	118	267
Whitefish	(3:36-4:03)	55	6	64	149	274
Pelican	(4:24-4:29)	10	<del></del>	+	53	63
TOTAL		269	91	274	537	1,171
	•	23.0%	7.8%	23.4%	45.9%	100.0%
July 13, Week-end		92 DEGREES, H		EET, S-SW WIN		
Mille Lacs	(6:33-7:34)	80	70	104	133	387
Gull Chain	(5:42-6:10)	34		72	133	239
Whitefish	(3:36-4:03)	<u>7</u> 7	12	77	131	297
Pelican	(4:24-4:29)	5		+	47	52
TOTAL		196	82	<b>25</b> 3	444	975
		20.1%	8.4%	25.9%	45.5%	100.0%
July 23, Weekday		70 DECREES P	HEAD COUTE	H WIND 10-15 K	MATC	
Mille Lacs	(10:33-11:27)	17 DEBREES, C	6	13 HIND 10-13 K	23	59
Gull Chain	(1:08-1:38)	16		27	22	<u> </u>
Whitefish		<u> </u>	<del></del>	<u> </u>	20	
	(2:04-2:36)	1		04	19	141
Pelican	(1:48-1:57)	91	<u>, 6</u>	104	84	20
TOTAL			2.1%			285
		31.9%	2.14	36.5%	29.5%	100.0%

		Designated	Other	Resort &	Resident,	
		Public	Public	Private	Seasonal	
CATEGORY 1 LAKE	S Flight Time	Accesses	Access	Access	Usage	TOTAL
July 28, Week-e		75 DEGREES,		WIND 10 KNOTS		
Mille Lacs	(1:02-2:13)	64	54	115	33	266
Gull Chain	(3:50-4:28)	92		84	163	339
Whitefish	(4:53-5:26)	47	4	86	77_	214
Pelican	(4:34-4:40)	12		ŧ	50	62
TOTAL		215	58	285	323	881
		24.4%	6.6%	32.3%	36.7%	100.0%
August 11, Week	-end	66 DEGREES,	CLEAR, SOUTH	H EAST WIND 5	<u>KNOTS</u>	
Mille Lacs	(10:21-11:18)	51	32	36	182	301
Gull Chain	(3:18-3:51)	32		92	96	220
Whitefish	(2:04-2:41)	54	2	91	167	314
Pelican	(2:59-3:10)	2		Į.	69	71
TOTAL		139	34	219	514	906
		15.37	3.87	24.2%	56.7%	100.0%
				·		
August 15, Week	day		CLEAR, WEST	WIND 8 KNOTS		
Mille Lacs	(10:22-11:25)	18	3	23	.44	88
Gull Chain	(2:43-4:15)	16		54	96	166
Whitefish	(1:44-2:11)	36	2	76	108	222
Pelican	(2:26-2:35)	4		ŧ	66	70
TOTAL		74	5	153	314	546
		13.6%	0.9%	28.0%	57.5%	100.0%
August 25, Week-end		65 DEGREES,	SCATTERED C	LOUDS, NE WIND	10 KNOTS	
Mille Lacs	(12:07-1:00)	74	23	94	120	311
Gull Chain	(2:06-2:29)	42		90	74	206
Whitefish	(2:56-3:00)	23		76	157	256
Pelican	(2:37-2:40)	8		ě	48	56
TOTAL		147	23	260	399	829
-		- 17.7%	2.8%	31.4%	48.1%	100.0%

		Designated	Other	Resort &	Resident.	
DATEGORY D LAVED	F1' 1' T'	Public	Public	Private	Seasonal	TOTAL
CATEGORY 2 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
May 10 Mank-and						
May 18, Week-end Ada	(12:24)	2		4	7	13
Bay	(10:51-10:58)	16	8	18	49	
Farm Island	(10:59)	29	0	62	129	220
Round	(1:39)	14	4	6	14	38
Sandbar	(12:43)	1		1	14	16
Sylvan	(2:53)	<del></del>			13	25
TOTAL PUBLIC ACCE		69	12	96	226	403
		17.17	3.0%	23.8%	- 56.1%	100.0%
						•
Borden	(10:42)	**	##	**	31	31
Clearwater	(10:47)	++	3	2	11	16
Inquadona	(11:58)	**	##	0	31	31
Round (Atkin)	(10:46)	**	ŧŧ	##	2	2
TOTAL ALL LAKES		69	15	98	301	483
		14.32	3.17	20.3%	62.3%	100.0%
June 1, Week-end	(40.04)	64 DEGREES,	SOUTH WIND		_	_
Ada	(12:24)	3		3	3	9
Bay	(10:51)	4	2	<u>- 12</u>	21	39
Farm Island	(10:59)	9		15	30	54
Round	(1:39)	3			1	4
Sandbar	(12:43)			1	9	11
Sylvan	(2:53)	2		4	. 2	8
TOTAL PUBLIC ACCE	55 LAKES	22	2	35	66	125
		17.6%	1.6%	28.0%	52.8%	100.0%
Borden	(10:42)	**	**	**	15	15
Clearwater	(10:47)	##	2	1	5	8
Inquadona	(11:58)	++	++	0	9	9
Round (Atkin)	(10:45)	++	++	**	5	5
TOTAL ALL LAKES	(10010)	22	4	36	100	162
		13.6%	2.5%	22.2%	61.7%	100.0%
June 19, Weekday		PARTLY CLOUD	Y, NORTHWES	T WIND 9 KNOT	<u>s</u>	
Ada	(2:54)	0	0	2	8	10
Bay	(4:46)	3	1	4	12	20
Farm Island	(4:54)	1		3	18	22
Round	(1:24)	2	0	1	5	8
Sandbar	(1:51)	0		11	9	10
Sylvan	(1:12)	6		3	2	11
TOTAL PUBLIC ACCE	SS LAKES	12	1	14	54	81
	•	14.8%	1.27	17.3%	66.7%	100.0%
Pordon	(5:11)	* *	# W	00	1	. 1
<u>Borden</u> Clearwater	(4:44)	++ ++	<u>**</u>	<u>88</u> 0	<u> </u>	<u> </u>
Inquadona	(3:16)	**	· ##	<u> </u>	6	6
Round (Atkin)	(5:10)	**	++	łł	2	2
TOTAL ALL LAKES	\U.IV/	12	7	14	. 68	101
TOTAL HEL LAKES		11.9%	6.9%	13.9%	67.3%	100.0%
		44174	<u> </u>	141/8	<u> </u>	200104

Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   Public   P			Designated	Other	Resort &	Resident.	
Name				Public			
Rada	CATEGORY 2 LAKES	Flight Time	Accesses	Access	Access	Usaqe	TOTAL
Rada							
Bay		······································				5 KNOTS	•
Fare Island							
Round				0			
Sandbar   (11:58)   3							
Sylvan	~			0			
TOTAL PUBLIC ACCESS LAKES   23							
19.32   0.01   20.22   60.52   100.01							
Borden	TOTAL PUBLIC ACCES	SS LAKES		<del></del>		72	119
Clearwater			<u>19.3%</u>	0.0%	20.2%	60.5%	100.0%
Clearwater	Dorden	/11+041			**	10	10
Name							
Name							
TOTAL ALL LAKES   23   2   26   113   164							
14.0T   1.2T   15.9T   68.9T   100.0T		(11:06)					
July 13, Neek-end   92 DEGREES, HAZY 5,000 FEET, S-SW NIND 5 KNOTS   Ada   (3:29)   2   1   5   7   15	IUIAL ALL LAKES						
Roy			14.02	1.27	15.9%	68.9%	100.07
Roy	July 13. Week-end		92 DEGREES.	HA7Y 5.000 F	FET. S-SW WI	ND 5 KNOTS	
Page   12:18   5		(3:29)					15
Fare Island   (2:28)   9						<b>A</b> 1	
Round   (6:12)   B							
Sandbar   (4:21)   2				0			
Sylvan				V			
DITAL PUBLIC ACCESS LAKES   29   1   40   121   191   15.2%   0.5%   20.9%   63.4%   100.0%   15.2%   0.5%   20.9%   63.4%   100.0%   15.2%   0.5%   20.9%   63.4%   100.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%   16.0%							
Borden   (2:09)							
Borden   (2:09)	TOTAL PUBLIC HOLE	DO LMRED					
Clear water   (2:14)			13.24	V.J.	20.7%	00.7%	100.04
Inquadona	Borden	(2:09)	##	11	**	16	16
Round (Atkin)   (2:07)	Clearwater	(2:14)	<del>! !</del>	4	11_	44	9
TOTAL ALL LAKES   29   5   41   156   231	Inquadona	(3:07)	##	<del>11</del>	0	8	
12.6%   2.2%   17.7%   67.5%   100.0%	Round (Atkin)	(2:07)	++	Ŧž	#*	7	7
Duly 23, Weekday   70 DEGREES, CLEAR, SOUTH WIND 10-15 KNOTS	TOTAL ALL LAKES		29	5	41	156	231
Ada         (2:56)         0         0         1         4         5           Bay         (11:39)         0         0         6         22         28           Farm Island         (11:33)         3         2         5         10           Round         (1:20)         4         0         1         2         7           Sandbar         (1:54)         0         0         5         5           Sylvan         (1:05)         5         1         0         6           TOTAL PUBLIC ACCESS LAKES         12         0         11         38         61           19,7%         0.0%         18.0%         62.3%         100.0%           Borden         (11:29)         **         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         **         0         4         4           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11 </td <td></td> <td>,</td> <td>12.6%</td> <td>2.27</td> <td>17.7%</td> <td>67.5%</td> <td>100.0%</td>		,	12.6%	2.27	17.7%	67.5%	100.0%
Ada         (2:56)         0         0         1         4         5           Bay         (11:39)         0         0         6         22         28           Farm Island         (11:33)         3         2         5         10           Round         (1:20)         4         0         1         2         7           Sandbar         (1:54)         0         0         5         5           Sylvan         (1:05)         5         1         0         6           TOTAL PUBLIC ACCESS LAKES         12         0         11         38         61           19,7%         0.0%         18.0%         62.3%         100.0%           Borden         (11:29)         **         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         **         0         4         4           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Bay         (11:39)         0         0         6         22         28           Farm Island         (11:33)         3         2         5         10           Round         (1:20)         4         0         1         2         7           Sandbar         (1:54)         0         0         5         5           Sylvan         (1:05)         5         1         0         6           TOTAL PUBLIC ACCESS LAKES         12         0         11         38         61           19.7%         0.0%         18.0%         62.3%         100.0%           Borden         (11:29)         **         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         **         0         4         4           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11         48         71		15.F()					-
Round   (11:33)   3   2   5   10				The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		
Round         (1:20)         4         0         1         2         7           Sandbar         (1:54)         0         0         5         5           Sylvan         (1:05)         5         1         0         6           TOTAL PUBLIC ACCESS LAKES         12         0         11         38         61           19.7%         0.0%         18.0%         62.3%         100.0%           Borden         (11:29)         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         **         0         4         4           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11         48         71				0			
Sylvan         (1:05)         5         1         0         6           TOTAL PUBLIC ACCESS LAKES         12         0         11         38         61           19.7%         0.0%         18.0%         62.3%         100.0%           Borden         (11:29)         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         *         0         4         4           Round (Atkin)         (11:31)         **         *         **         1         1         1         1           TOTAL ALL LAKES         12         0         11         48         71							
Sylvan         (1:05)         5         1         0         6           TOTAL PUBLIC ACCESS LAKES         12         0         11         38         61           19.7%         0.0%         18.0%         62.3%         100.0%           Borden         (11:29)         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         *         0         4         4           Round (Atkin)         (11:31)         **         *         **         1         1         1           TOTAL ALL LAKES         12         0         11         48         71				0			7
Borden         (11:29)         **         #*         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         **         0         0         2         2           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11         48         71							5
Borden         (11:29)         **         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         *         0         4         4           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11         48         71				***************************************			
Borden         (11:29)         **         **         **         3         3           Clearwater         (11:46)         **         0         0         2         2           Inquadona         (3:16)         **         **         **         0         4         4           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11         48         71	TOTAL PUBLIC ACCE	SS LAKES					
Clearwater         (11:46)         ##         0         0         2         2           Inquadona         (3:16)         ##         ##         0         4         4           Round (Atkin)         (11:31)         ##         #*         #*         1         1           TOTAL ALL LAKES         12         0         11         48         71			<u>19.7%</u>	0.0%	18.0%	62.3%	100.0%
Clearwater         (11:46)         ##         0         0         2         2           Inquadona         (3:16)         ##         ##         0         4         4           Round (Atkin)         (11:31)         ##         #*         #*         1         1           TOTAL ALL LAKES         12         0         11         48         71	Borden	(11:29)	ŧ.	4*	**	3	3
Inquadona         (3:16)         **         **         0         4         4           Round (Atkin)         (11:31)         **         **         **         1         1         1           TOTAL ALL LAKES         12         0         11         48         71							2
Round (Atkin)         (11:31)         ##         #*         ##         1         1           TOTAL ALL LAKES         12         0         11         48         71			······································				
TOTAL ALL LAKES 12 0 11 48 71							

		Designated	Other	Resort &	Resident,	
		Public	Public	Private	Seasonal	
CATEGORY 2 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
DITEDUIT E EINES	111qiit 11mt	116663363	UFFESS	ALLESS	DJaqe	TOTAL
July 28, Week-end		75 DEGREES.	CLEAR. WEST	WIND 10 KNOTS	3	
Ada	(5:48)	0	. 3	2	4	9
Bay	(2:30)	10	0	7	43	60
Farm Island	(2:24)	8		8	21	37
Round	(4:08)	15	0	2	5	22
Sandbar	(4:45)	1		1	14	16
Sylvan	(3:46)	5		2	10	17
TOTAL PUBLIC ACCES	SS LAKES	39	3	22	97	161
		24.2%	1.9%	13.7%	60.2%	100.0%
Borden	(2:17)	**	ŧ*	**	4	4
Clearwater	(2:39)	**	1	11	2	4
Inquadona	(6:12)	**	##	0	2	2
Round (Atkin)	(2:21)	**	11	##	8	8
TOTAL ALL LAKES		39	4	23	113	179
		21.8%	2.2%	12.8%	63.1%	100.0%
		// 5555555			LANDERS.	
August 11, Week-er				H EAST WIND 5		
Ada	(1:56)	0	0	5	8	13
Bay	(4:13)	3	00	16	39	58
Farm Island	(11:30)	10		17	20	47
Round	(3:28)	1	0	4	11	16
Sandbar	(3:02)	<u>2</u> 5		<u>1</u> 5	10 8	13
Sylvan TOTAL PUBLIC ACCES	(3:53)		0	48	<u>8</u> 96	18 165
TOTAL PUBLIC ACCES	DO LAKED	21 12.7%	0.0%		58.2%	100.0%
		12./4	0.04	27.1%	30.2%	100.04
Borden	(4:25)	**	++	**	8	8
Clearwater	(4:10)	**	1	1	4	<u>_</u>
Inquadona	(1:34)	##	**	0	6	6
Round (Atkin)	(10:40)	**	**	++	4	4
TOTAL ALL LAKES		21	1	49	118	189
		11.17	0.5%	25.9%	62.4%	100.0%
August 15, Weekda	y	70 DEGREES,	CLEAR, WEST	WIND 8 KNOTS		
Ada	(1:37)	1	1	1	7	10
Bay	(4:10)	1	0	7	24	32
Farm Island	(11:29)	3		1	12	16
Round	(2:50)	1	0	1	19	<u>21</u> 7
Sandbar	(2:29)	0		1	6	7
Sylvan	(3:17)	1		4	9	14
TOTAL PUBLIC ACCES	SS LAKES	7	1	15	77	100
		7.0%	1.0%	15.0%	77.0%	100.0%
Borden	(4:19)	ŧ.¥	##	**	4	4
Clearwater	(4:07)	**	1	11	11	3
Inquadona	(12:06)	**	**	0	12	12
Round (Atkin)	(10:44)	**	**	¥.\$	6	<u>6</u>
TOTAL ALL LAKES	<del> </del>	77	2	16	100	125
		5.6%	1.6%	12.8%	80.0%	100.0%

		Designated Public	Other Public	Resort & Private	Resident, Seasonal	
CATEGORY 2 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
August 25, Week-e	nd	65 DEGREES,	SCATTERED	CLOUDS, NE WIND	10 KNOTS	
Ada	(3:25)	0	- 0	3	. 8	11
Bay	(1:12)	2	. 0	15	39	56
Farm Island	(1:06)	2		9.	23	34
Round	(2:16)	5	0	2	6	13
Sandbar	(2:43)	0		1	10	11
Sylvan	(2:02)	0		5	11	16
TOTAL PUBLIC ACCE	SS LAKES	9	0	35	97	141
		6.4%	0.0%	24.8%	68.8%	100.0%
Borden	(12:22)	**	#*	**	10	10
****						
Clearwater	(1:19)	# <del>!</del>	3	1	2	6
Inquadona	(3:44)	##	, <del>I</del> *	0	16	16
Round (Atkin)	(12:26)	**	##.	ž.š.	9	9
TOTAL ALL LAKES		9	រិ	36	134	182
		4.9%	1.6%	19.8%	73.6%	100.0%

		в	511		5 111	
		Designated	Other	Resort &	Resident,	
CATECODY 7 LAVEC	F1:-64 7:	Public	Public	Private	Seasonal	TOTAL
CATEGORY 3 LAKES	Filght lime	Accesses	Access	Access	Usaqe	TOTAL
May 10 Mank-and						
May 18, Week-end Clark	(1:02)	0		3	2	F
Emily/Mary	(3:13)	25		<u>s</u>	29	<u>5</u> 62
	(3:55)	15·	0	22	26	
Little Boy			<u>v</u>			<u>63</u>
Nord	(4:36)				6	8
Waukenabo TOTAL PUBLIC ACCE	(4:21)	18	00	77	22	40
TOTAL PUBLIC ACCE	DO LHKED	60 77.74	0	33	85	178
		33.7%	0.0%	18.5%	47.8%	100.0%
Esquagamah	(4:20)	**	5	. **	16	21
Hattie	(3:31)	**	++	4		9
Moccasin	(3:39)	1	**		<u></u>	<del></del>
		<u>i</u>		**	2	2
O'Brien	(3:09)		## 	**		
TOTAL ALL LAKES		61	5	37	113	216
		28.2%	2.3%	17.17	52.3%	100.0%
7 1 Hhd		/ A DECDEEC /	SOUTH DINK	n vunto		
June 1, Week-end	11.471	64 DEGREES, S	עאוא אוטטכ			٨
Clark	(1:43)	<u> </u>	<del></del>	<u> </u>	0	0
Emily/Mary	(12:37)	3		3	11	7
Little Boy	(12:01)	6	0	00	0	6
Nord	(11:10)	00			11	11
Waukenabo	(11:32)	8	0		7	15
TOTAL PUBLIC ACCE	SS LAKES	17	0	3	19	39
		43.6%	0.0%	7.7%	48.7%	100.0%
Esquaqamah	(11:36)	**	3	##	5	8
Hattie	(12:22)	**	<del>*</del> *	2	2	4
Moccasin	(12:16)	0	**	**	1	1
O'Brien	(12:40)	**	- ##	**	22	2
TOTAL ALL LAKES		17	3	55	29	54
		31.5%	5.6%	9.3%	53.7%	100.0%
June 19, Weekday		PARTLY CLOUD	Y, NORTHWES	T WIND 9 KNOT	5	
Clark	(1:43)	0		2	1	3
Emily/Mary	(2:40)	2		4	3	9
Little Boy	(3:13)	1	1	3	6	11
Nord	(5:01)	0			33	3
Waukenabo	(3:36)	3	0		11	4
TOTAL PUBLIC ACCE	SS LAKES	6	1	9	14	30
		20.0%	3.3%	30.0%	46.7%	100.0%
Esquaqamah	(3:35)	**	2	**	0	2
Hattie	(2:57)	**	##	3	5	
Moccasin	(3:05)	3	ł¥	##	0	8 3 2
O'Brien	(2:36)	£*	#*	##	2	2
TOTAL ALL LAKES		9	3	12	21	45
		20.0%	6.7%	26.7%	46.7%	100.0%

		Designated	Other	Resort &	Resident,	
		Public	Public	Private	Seasonal	
CATEGORY 3 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
June 29, Week-end		60 DEGREES, I	PARTLY CLOUI	ONIW WM-W ,YC	5 KNOTS	
Clark	(12:03)	0		11	1	2
Emily/Mary	(11:46)	111	00	5	8	14
Little Boy	(2:47)	5	0	11	13	29
Nord	(11:27)	. 1			1	2
Waukenabo	(11:39)	. 2	0		1	3
TOTAL PUBLIC ACCES	S LAKES	9	0	17	24	50
		18.0%	0.0%	34.0%	48.0%	100.0%
		***************************************				
Esquaqamah	(11:40)	##	4	1×	5	9
Hattie	(2:54)	**	**	4	5	9
Moccasin	(3:03)	0	**	**	1	1
O'Brien	(11:54)	**	#*	#*	4	4
TOTAL ALL LAKES		9	4	21	39	73
		12.3%	5.5%	28.8%	53.4%	100.0%
						<u> </u>
July 13, Week-end		92 DEGREES,	HAZY 5,000 F	FEET, S-SW WI	ND 5 KNOTS	
Clark	(4:38)	0		2	2	4
Emily/Mary	(4:12)	4		. 5	5	14
Little Boy	(3:10)	4	0	4	7	15
Nord	(2:35)	Ů			4	4
Waukenabo	(2:44)	0	0		i	i
TOTAL PUBLIC ACCES		8	0	11	19	38
		21.1%	0.0%	28.9%	50.0%	100.0%
			VIVA		04144	1001011
Esquaqamah	(2:49)	**	1	**	3	4
Hattie	(3:27)	**	##	. 4	7	11
Moccasin	(3:21)	2	**	++	7	9
O'Brien	(4:17)	**	**	**	5	5
TOTAL ALL LAKES		10	1	15	41	67
		14.9%	1.5%	22.4%	61.2%	100.0%
	•					
July 23. Weekday		70 DEGREES,	CLEAR, SOUT	H WIND 10-15	KNOTS	
Clark	(1:40)	0		2	0	2
Emily/Mary	(2:44)	2		0	0	2
Little Boy	(3:13)	2	0	0	1	3
Nord	(3:47)	0			0	Ō
Waukenabo	(3:35)	0	Ò		2	2
TOTAL PUBLIC ACCES		4	0	2	3	9
		44.4%	0.0%	22.2%	33.3%	100.0%
						100000
Esquagamah	(3:34)	**	3	**	0	3
Hattie	(3:00)	**	**	1	2	3
Moccasin	(3:06)	0	**	0	1	1
O'Brien	(2:41)	**	ŧ*	**	2	2
TOTAL ALL LAKES		4	3	3	8	18
		22.2%	16.7%	16.7%	44.4%	100.0%
			- 4,1 / 1			

		Designated	Other	Resort &	Resident,	
		Public	Public	Private	Seasonal	
CATEGORY 3 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
CHIEGORI S CHRES	TITUIL ITME	HULESSES	HLCESS	nccess	USAGE	TOTAL
July 28, Week-end		75 DEGREES,	CLEAR, WEST	WIND 10 KNOTS		•
Clark	(4:30)	0		- 3	1	4
Emily/Mary	(5:36)	1		0	0	1
Little Boy	(6:10)	1	0	2	3	6
Nord	(6:38)	0			1	1
Waukenabo	(6:29)	1	0		1	2
TOTAL PUBLIC ACCES		3	0	5	6	14
10.7.10		21.4%	0.0%	35.7%	42.9%	100.0%
		22117		<u> </u>		
Esquaqamah	(6:28)	. ##	4	¥. <del>*</del>	Û	4
Hattie	(5:54)	±*	**	2	4	<u>6</u>
Moccasin	(6:02)	2	##	0	1	3
O'Brien	(5:31)	ŧŧ	**	++	4	4
TOTAL ALL LAKES		5	4	7	15	31
		16.1%	12.9%	22.6%	48.4%	100.0%
				•		
August 11, Week-en	d	66 DEGREES,	CLEAR, SOUT	H EAST WIND 5	<u>KNOTS</u>	
Clark	(3:24)	0		3	1	4
Emily/Mary	(2:50)	0		5	1	. 6
Little Boy	(1:36)	5	0	4	16	25
Nord	(11:39)	2			4	6
Waukenabo	(11:50)	1	0		3	4
TOTAL PUBLIC ACCES		8	0	12	25	45
		17.8%	0.0%	26.7%	55.6%	100.0%
Esquaqamah	(11:54)	++	111	¥ŧ	5	<u> </u>
Hattie	(1:53)	##	#*	4	7	11
Moccasin	(1:46)	0	**	ž.	2	2
O'Brien	(2:55)	**	#*	**	1	1
TOTAL ALL LAKES		8	i	16	40	65
		12.3%	1.5%	24.6%	61.5%	100.0%
		-				
August 15, Week-da	у	70 DEGREES,	CLEAR, WEST	WIND 8 KNOTS		
Clark	(2:48)	0		2	6	8
Emily/Mary	(2:18)	3		3	0	<u>6</u>
Little Boy	(12:08)	Ů	0	3	14	17
Nord -	(11:36)	1			1	2
Waukenabo	(11:46)	0	0		0	0
TOTAL PUBLIC ACCES		4	0	8	21	33
		12.1%	0.0%	24.2%	63.6%	100.0%
Esquaqamah	(11:48)	<del>} !</del>	2	##	3	5
Hattie	(1:34)	**	#*	3	2	5 5 2 2
Moccasin	(1:28)	2	++	**	0	2
O'Brien	(2:22)	**	. ##	**	2	
TOTAL ALL LAKES		6	2	11	28	47
		12.8%	4.3%	23.4%	59.6%	100.0%

CATEGORY 3 LAKES	Flight Time	<u>Designated</u> <u>Public</u> Accesses	Other Public Access	Resort & Private Access	Resident, Seasonal Usage	TOTAL
August 25, Week-e	nd	65 DEGREES.	SCATTERED (	CLOUDS, NE WIND	10 KNOTS	
Clark	(2:17)	1	DOM: LINED L	0	1	2
Emily/Mary	(2:50)	5	······································	0	6	11
Little Boy	(3:41)	2	0	0.	7	9
Nord	(4:12)	2		0	0	2
Waukenabo	. (4:01)	. 1	0	0	1	2
TOTAL PUBLIC ACCE	SS LAKES	11	0	0	15	26
		42.3%	0.0%	0.0%	57.7%	100.0%
Esquaqamah	(4:00)	##	2	**	2	4
Hattie	(3:28)	**	##	Ů	1	1
Moccasin	(3:35)	0	±*	0	. 0	0
O'Brien	(2:48)	ŧ÷	ž ž	ž.	1	i
TOTAL ALL LAKES		11	2	0	19	32
		34.4%	6.3%	0.0%	59,4%	100.0%

		Designated	Other	Resort &	Resident,	
		Public	Public	Private	Seasonal	
CATEGORY 4 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
May 18, Week-end						
Eagle	(12:33)	2	**	#*	7	9
Hansen	(11:11)	0	**	**	3	3 4 2 13
Little Thunder	(11:51)	2	**	<del># 1</del>	. 2	4
Loon	(2:27)	0	ŧ×	0	2	2
White Sand	(2:57)	6	ŧŧ	2	5	
TOTAL PUBLIC ACCE	SS LAKES	10	0	2	19	31
		32.3%	0.0%	6.5%	61.3%	100.0%
Hanging Kettle	(11:08)	¥¥	**	**	11	11
Bass	(1:49)	**	**	\ <del>*</del> <del>*</del> *	. 8	8
Pine	(12:14)	##	## .	3	1	4
TOTAL ALL LAKES		10	0	5	39	54
		18.5%	0.0%	9.32	72.2%	100.0%
June 1, Week-end		64 DEGREES.	SOUTH WIND	8 KNOTS		
Eagle	(12:33)	3	11	##	2	5 -
Hansen	(11:11)	6	¥.¥	ŧŧ	0	6
Little Thunder	(11:51)	0	**	**	1	1
Loon	(2:27)	0	**	0	2	2
White Sand	(2:57)	3	11	0	0	3
TOTAL PUBLIC ACCE		12	0	0	5	17
TOTAL TODETO HODE	DO LINCO	70.6%	0.0%	0.0%	29.4%	100.0%
		10104	VIVA	0104	27174	100101
Hanging Kettle	(11:08)	**	11	++	5	5
Bass	(1:49)	++	**	**	3	3
Pine	(12:14)	**	**	0	0	0
TOTAL ALL LAKES	(12:17/	12		0	13	25
TOTAL HEE CARES		48.0%	0.0%	0.0%	52.0%	100.0%
		70.VA	V. V.	V ₄ V ₄	32.VA	100.0%
June 19. Weekday		PARTI V PI NIIN	v mustamed	T WIND 9 KNOTS	3	
Eagle	(2:45)	1	**	## / KNOT	<u>-</u> 4	5
Hansen	(5:03)	0	**	**	0	0
Little Thunder	(3:27)	0	**	**	0	0
		0		<del></del>	3	
Loon	(1:36)	3	**	0	<u></u>	<u>3</u> 5
White Sand	(1:07)		#* ^	1	8	13
TOTAL PUBLIC ACCE	DD LAKED	4 70 08	0	1 7 7*		
		30.8%	0.0%	7.7%	61.5%	100.0%
11 12 13	2 PF . AA1					
<u>Hanging Kettle</u>	(5:00)	**	<del>‡ ‡</del>	##	2	2
Bass	(1:53)	**	**	**	4	4
Pine	(3:07)	**	**	2	00	2
TOTAL ALL LAKES		4	0	3	14	21
•		19.0%	0.0%	14.3%	66.7%	100.0%

		N:	011	D •	0:	
		<u>Designated</u>	Other Public	Resort &	Resident.	
CATEGORY 4 LAKES	Elicht Ties	Public		Private	Seasonal	TOTAL
UNICOURT 4 LHNES	FIIGHT IIME	Accesses	Access	Access	Usaqe	TOTAL
June 29, Week-end		YV DECDEES	PARTI V CLOUD	DY, W-WW WIND	5 PNOTE	
Eagle	(11:52)	ov Dedrees,	THRILI CLUUI	## **	12	13
Hansen	(11:29)	1	++	**	0	13
Little Thunder	(2:38)	<u>i</u>	**	**	1	1
Loon	(1:37)	<u>v</u> i	**	2	2	5
White Sand	(1:03)	<u>1</u>	##		0	4
TOTAL PUBLIC ACCES		<u> </u>	0	<u>1</u> 3	15	24
TOTAL PUBLIC MUCE	33 LHKE3					
		25.0%	0.0%	12.5%	62.5%	100.0%
Hanging Kettle	(11:26)	**	**	**	9	9
Bass	(11:59)	**	1+	##	6	<u>,</u>
Pine	(3:03)	**	++	3	2	5
TOTAL ALL LAKES	101007		0	<u> </u>	32	44
TOTAL TILL LINES		13.6%	0.0%	13.6%		100.0%
		10104	VI VI	10.0%		100.0%
July 13, Week-end		92 DEGREES.	HAZY 5,000 F	EET, S-SW WIN	ID 5 KNOTS	
Eagle	(4:08)	0	**	##	5	5
Hansen	(2:37)	3	**	**	0	3
Little Thunder	(2:58)	0	##	**	2	<u>3</u>
Loon	(4:35)	1	**	0	0	1
White Sand	(5:34)	0	**	0	0	0
TOTAL PUBLIC ACCES		4	0	0	7	11
		36.4%	0.0%	0.0%	63.6%	100.0%
Hanging Kettle	(2:34)	ŧŧ	**	**	8	8
Bass	(4:22)	**	**	ŧŧ	7	7
Pine	(3:19)	Ŧ.¥	#*	2	0	2
TOTAL ALL LAKES		4	0	2	22	28
		14.3%	0.0%	7.1%	78.6%	100.0%
,						
July 23. Weekday		70 DEGREES,	CLEAR, SOUTH	H WIND 10-15 H	CNOTS	
Eaqle	(2:49)	0	##	**	- 1	1
Hansen	(3:46)	0	**	**	0	0
Little Thunder	(3:25)	00	# ¥	**	0	0
Loon	(1:43)	00	±*	0	1	1
White Sand	(1:03)	0	#*	0	2	2
TOTAL PUBLIC ACCE	SS LAKES	0	0	0	4	4
		0.0%	0.0%	0.0%	100.0%	100.0%
Hanging Kettle	(3:48)	**	++	±+	1	<del>!</del>
Bass	(1:55)	##	**	**	0	0
Pine	(3:07)	**	- <del>! !</del>	1	0	1
TOTAL ALL LAKES		0	0	1 2"	5	400 0
		0.0%	0.0%	16.7%	83.3%	100.0%

		Designated	Other	Resort &	Resident,	
		Public	Public	Private	Seasonal	
CATEGORY 4 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
<b></b>						
July 28, Week-end				WIND 10 KNOTS		
Eagle	(5:40)	0	. ##	<del></del>	1	
Hansen	(6:37)	0	**	**	· 0	0
Little Thunder	(6:19)	0	**	##	2	2
Loon	(4:32)	1	##	0	00	1
White Sand	(3:42)	2	**	11	2	5
TOTAL PUBLIC ACCES	S_LAKES	3	0	1	5	9
		33.3%	0.0%	11.1%	55.6%	100.0%
Hanging Kettle	(6:40)	**	##	**	2	2
Bass	(4:46)	##	#*	<del>ž</del> *	0	0
Pine	(6:04)	**	ŧŧ	3	1	4
TOTAL ALL LAKES		3	0	4	8	15
10.11		20.0%	0.0%	26.7%	53.3%	100.0%
August 11, Week-en	Ч	AA DEGREES	CLEAR SOUTH	HEAST WIND 5	KNULC	
Eagle	(2:46)	1	EX	±±	7	8
Hansen	(11:41)	3 .	+*	**		3
	(12:02)		**	**	4	
Little Thunder				0		6 2 5
Loon	(3:17)	0	##		2	
White Sand	(3:59)	0	**	0_	5	
TOTAL PUBLIC ACCES	5 LAKES	6	0	0	18	24
		25.0%	0.0%	0.0%	75.0%	100.0%
					_	`
<u>Hanqing Kettle</u>	(11:37)	**	**	**	3	3
Bass	(3:04)	**	##	**	2	2
Pine	(1:45)	<del>! !</del>	##	0 ·	0	0
TOTAL ALL LAKES		66	0	0	23	29
		20.7%	0.0%	0.0%	79.3%	100.0%
August 15, Weekday	<i>,</i>	70 DEGREES,	CLEAR, WEST	WIND 8 KNOTS		
Eagle	(2:14)	1	#*	**	<u>6</u>	7
Hansen	(11:37)	1	¥¥	**	0	1
Little Thunder	(12:00)	0	±*	¥.*	2	
Loon	(2:42)	0	**	1	4	2 5
White Sand	(3:23)	1	**	2	2	5
TOTAL PUBLIC ACCES		. 3	0	3	14	20
101112 1 00220 110020	JO LINED	15.0%	0.0%	15.0%	70.0%	100.0%
		13.0%	ViVh	10:04	70.04	IVVIVA
Hanging Kettle	(11:34)	<del># #</del>	##	**	1	1
Bass	(2:30)	##	** **	**	0	0
Pine	(1:27)	** **	**	2	0	2
	(1±2/1	3	0	. 5	15	23
TOTAL ALL LAKES						
		13.0%	0.0%	21.7%	65.2%	100.0%

			•			
		Designated	Other	Resort &	Resident,	
		Public	Public	Private	Seasonal	
CATEGORY 4 LAKES	Flight Time	Accesses	Access	Access	Usage	TOTAL
August 25, Week-s	end	65 DEGREES,	SCATTERED C	LOUDS, NE WINI	10 KNOTS	
Eagle	(2:55)	0	#*	**	5	. 5
Hansen	(4:10)	1	Į.	++	0	1
Little Thunder	(3:51)	0	**	**	1	1
Loon	(2:32)	0	**	0	1	1
White Sand	(2:00)	1	<b>*</b> *	2	2	5
TOTAL PUBLIC ACCESS LAKES		2	0	2	9	13
		15.4%	0.0%	15.4%	69.2%	100.0%
Hanging Kettle	(4:14)	<del>11</del>	**	<del>1 1</del>	2	2
Bass	(2:45)	11	. 14	#*	2	2
Pine	(3:36)		++	1	0	1
TOTAL ALL LAKES		2	0	3	13	18
		11.1%	0.0%	16.7%	72.2%	100.0%
		****				

# APPENDIX L ACCESS ACTIVITY RECORDING FORM

TIME: 8:30 AM   TIME: 9:00 AM   TIME: 10:00 AM   TOTAL   TO	VIEWS	•						
TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTAL   TOTA	* VEHICLES PARKED IN LOT (WITH = VEHICLES WITH BOAT TRAILERS OR CARTOP CARRIERS OR PICKUPS CAPABLE OF CARRYING A BOAT)  (N/O = FOUR-WHEELED VEHICLES WITHOUT TRAILERS, ETC.)							
RECORD IF VEHICLES FARK IN LOT AFTER LAUNCHING   101AL   101	: TOTAL : TOTAL :	: TOTAL : TOTAL :	: TOTAL : TOTAL :	! TOTAL ! TOTAL !	: TOTAL : TOTAL :	: TOTAL : TOTAL :	! TOTAL ! TOTAL !	TIME: <b>3:00</b> ! TOTAL : TOTA ! WITH ! W/I ! !
RECORD IF VEHICLES FARK IN LOT AFTER LAUNCHING   101AL   101							~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
8: 30-9:00 9:00-10:00 10:00-11:00 11:00-Non Non-1:00 1:00-2:00 2:00-3:  NUMBER OF BOATS LANDING AT ACCESS  8: 30-9:00 10:00-11:00 10:00-11:00 1(:00-Non Non Non-1:00 1:00-2:00 2:00-3:	NUMBER OF BOATS LAUN	8:30-9:00						2(00-3(0
8: 30-9:00 9:00-10:00 10:00-11:00 11:00-Non Non-1:00 1:00-2:00 2:00-3:  NUMBER OF BOATS LANDING AT ACCESS  8: 30-9:00 10:00-11:00 10:00-11:00 1(:00-Non Non Non-1:00 1:00-2:00 2:00-3:		******						
NUMBER OF BOATS LANDING AT ACCESS  8:30-9:00 10:00-11:00 1(:00-A)ood Nood-1:00 1:00-2:00 2:00-3:	RECORD IF VEHICLES P	ARK IN LOT AFTER LA	UNCHING					
8:30-9:00 10:00-11:00 10:00-11:00 1(:00-Noon Noon-1:00 1:00-2:00 2:00-3:								2:00 - 3:   TOTAL   
8:30-9:00 10:00-11:00 10:00-11:00 1(:00-Noon Noon-1:00 1:00-2:00 2:00-3:		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
	NUMBER OF BOATS LAND	ING AT ACCESS						

# VEHICLES PARKED IN	* VEHICLES PARKED IN LOT (WITH = VEHICLES WITH BOAT TRAILERS OR CARTOP CARRIERS OR PICKUPS CAPABLE OF CARRYING A BOAT)  (W/O = FOUR-WHEELED VEHICLES WITHOUT TRAILERS, ETC.)						
	(W/U = FUUK-W	HEEFED AFHICTER MILL	HUUT TRAILERS, ETC.			·	Dark
TIME: 3:00 PM   TOTAL   TOTAL	TIME: <u>4:00 PM</u>	TIME: 5:00 PM	TIME: 6:00 PM	TIME: 7:00 PM	TIME: 8:00 PM	TIME: 9:00 PM	TIME: ! TOTAL ! TOTAL
	: WITH : W/O :				I. WITH ! W/O !	: WITH : W/O :	: WITH : W/O
				1 1			1 1
'	''	'				`*************************************	
NUMBER OF BASTS LAW	PULL ENGY APPER						
NUMBER OF BOATS LAU	3:00 - 4:00	4:00-5:00	5:00-6:00	6:00 - 7:00	1400.9100	8:00-9:00	9:00 - Dark
	TOTAL	TOTAL	I TOTAL I	I TOTAL I	I TOTAL !	! TOTAL !	! TOTAL '
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		·		ii	i;		
RECORD IF VEHICLES F	PARK IN LOT AFTER LA	unching 					
	3:00 -4:00 1 TOTAL 1	4:00-5:00	5:00 - 6:00 TOTAL	6:00 -7:00 1 TOTAL 1	7:00 - 8:00	8:00 -9:00   TOTAL	9:00-Das
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NUKBER OF BOATS LAND	OING AT ACCESS						
	_	then E		C	7	8.00	0.00
	3:00-4:00	4:00 - 5:00			1	8:00 -9:00   TOTAL	9:00-Dar
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#### ACCESS INFORMATION

LAKEA	CCESS			
DATE INTE	RVIEWER			
TIME ARRIVED	_ AM PM (CIRCLE DNE)			
TIME DEPARTED	AM PM (CIRCLE ONE)			
WHITECAPS1_ YES	DITIONS AT DEPARTURE 1 YES2_ NO			
2 NO YES	1 YES			
_2_ NO	2_ NO			
CLOUD COVER1 CLOUDY2_ PARTLY CLOUDY3_ CLEAR	_1_ CLOUDY _2_ PARTLY CLOUDY _3_ CLEAR			
TEMPERATURE (Degr	ees F.)			
°F.	o _F .			

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