MN DNR'S PROJECT TO PREPARE AND EXECUTE A STUDY OF TWIN CITIES METRO AREA BOATING DURING THE SUMMER OF 2009

FINAL REPORT



December 15, 2009

Prepared for:
Minnesota Department of Natural Resources
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Prepared by:



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Tuesday, December 15, 2009

Tim Kelly
Minnesota Department of Natural Resources
OMBS, Box 10
500 Lafayette Road
Saint Paul, MN 55155-4010
Tol: 651 206 4802

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Email: tim.kelly@dnr.state.mn.us

Dear Tim Kelly,

Please find attached the proposed 2009 Twin Cities Metro Area Boating Study Final Report. The final report has been prepared to meet the requirements of Deliverables #7 and #8.

If you have any questions or require additional information, please contact me at 651 260-0116 or by email at greg@statisticsinc.com.

Thank you.

Sincerely,

Gregory E. Thompson

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Attachment B: Boat Count Worksheet Attachment C: Trailer Count Worksheet

Attachment D: Cover letters and follow-up cover letters Attachment E: Questionnaires (under separate cover)

Attachment F: Metro Lakes boat & trailer count by type of boat and flight date Attachment G: Lake Minnetonka boat & trailer count by type of boat & flight date

Attachment H: Results of the lakeshore surveys Attachment I: Results of the public access surveys

I. UNDERSTANDING

A. Introduction. The Minnesota Department of Natural Resources (DNR) conducted a study of the Twin Cities Metro Area and Lake Minnetonka boating during the summer (mid May through Labor Day) of 2009. The Twin Cities Metro Area boating study results provide information to several DNR or other state agency programs. Table 1 lists two of these. The boating study is a substantial data gathering and analysis effort which included aerial boat counts and boater interviews. Table 2 lists the goals for the project.

	Study will provide information to:
1.	DNR's water access programs
2.	DNR's boating safety programs

Table 1: Programs That May Use Boating Data

	Goal
1.	measure the quantity and source of boating use on Twin Cities Metro Area
	lakes
2.	measure boater characteristics and attitudes concerning their experience on
	the water

Table 2: Project Goals

- B. Objectives. The two objectives related to the project goals are listed below.
 - Objective 1: Measure total use by source of boater.
 - Objective 2: Measure Boater experiences, perceptions, and characteristics by source of boater.
- C. Purpose. The DNR sought to determine the level & type of boating activity on Twin Cities Metro Area lakes. This final report provides the detailed procedures for completing this project. Descriptions of the data gathering methods & analysis are also included. Where convenient & to add clarity, information has been consolidated into attachments included at the end of the final report document. Attachment A lists the water bodies selected as the sample lakes for this study. Attachment B includes the aerial boat count worksheet. Attachment C includes the trailer & car topper/pick-up count worksheet. Attachment D includes the cover letters & follow-up cover letters. Attachment E contains the two questionnaires, the printed copies were provided under separate cover. Attachment F provides the metro lakes boat & trailer count by type of boat & flight date. Attachment G provides Lake Minnetonka boat & trailer count by type of boat & by flight date. Attachment H contains the results of the lakeshore surveys. Attachment I contains the results of the public access surveys.

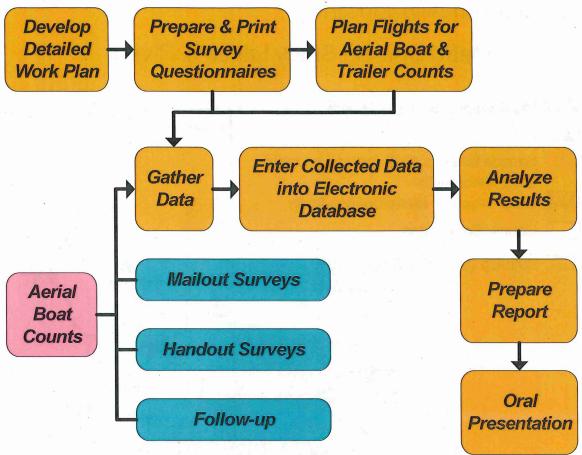


Figure 1: Task Flow Chart

II. DESCRIPTION

A. Approach. Data gathering was conducted to meet both project objectives as described below. The source of boater information was collected via aerial boat counts to determine the contributions to boating from two sources: riparian residents and boaters using public accesses. Private access contributions will be calculated from previous boating use studies and were not gathered during this study. Boater experiences were sampled by way of mail-out surveys to lake residents and hand-out surveys to public access boaters. A sample of approximately thirty water bodies was drawn from the lakes shown on the following page in Figure 2. Attachment A provides the complete list of lakes that were used in this study. Lake Minnetonka boating use was determined using aerial counts on eight separate weekends. Figure 3 provides the Lake Minnetonka management areas. The worksheets in Attachments B and C were utilized. The remaining lakes boating use were determined using aerial counts on eight weekends and four weekdays using the worksheets in Attachments B and C. Lake Nokomis and Lake Calhoun were counted from the ground during

the flight dates and times in order to avoid disruption of the flight path into and out of Twin Cities International Airport.

Metro Boating Study Lakes & Rivers

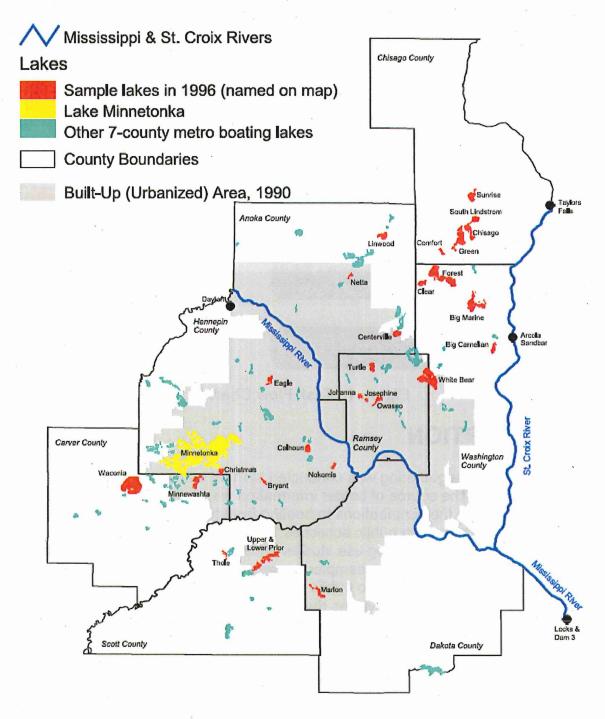
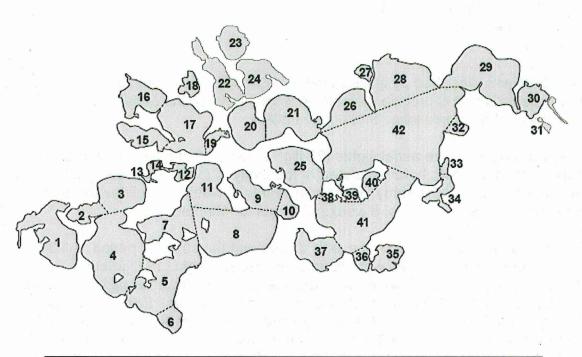


Figure 2: Twin Cities Lakes other than Minnetonka

Lake Minnetonka Management Areas



Area nun	ber Area Name	Acres	Region	Area number	Area Name	Acres	Region
1	Halsteds Bay	545	1 - SW	22	North Arm	319	2 - NW
2	Priests Bay	144	1 - SW	23	Stubbs Bay	195	2 - NW
3	Cooks Bay	343	1-SW	24	Maxwell Bay	300	2 - NW
4	West Upper Lake	873	1 - SW	25	Lafayette Bay	454	3 - East
5	South Upper Lake	722	1 - SW	26	Smiths Bay	266	3 - East
6	Smith Town Bay	110	1 - SW	27	Tanager Lake	51	3 - East
7	Phelps Bay	345	1 - SW	28	Browns Bay	596	3 - East
8	East Upper Lake	814	1 - SW	29	Wayzata Bay	778	3 - East
9	Carmen's Bay	294	1 - SW	30	Gray's Bay	180	3 - East
10	Old Channel Bay	105	t - SW	31	Libb's Lake	17	3 - East
11	Spring Park Bay	378	1 - SW	32	Robinson Bay	92	3 - East
12	Black Lake	76	1 - SW	33	St. Louis Bay	20	3 - East
13	Emerald Lake	13	1 - SW	34	Carson's Bay	116	3 - East
14	Seton Lake	44	2 - NW	35	St. Albans Bay	161	3 - East
15	Harrison's Bay	215	2 - NW	36	Excelsion Bay	90	3 - East
16	Jennings Bay	290	2 - NW	37	Gideons Bay	330	3 - East
17	West Arm	514	2 - NW	38	Echo Bay	15	3 - East
18	Forest Lake	82	2 - NW	39	Big Island Pass	36	3 - East
19	Coffee Cove	57	2 - NW	40	Veteran's Bay	82	3 - East
20	West Crystal Bay	325	2 - NW	41	Lower Lake South	978	3 - East
21	East Crystal Bay	487	2 - NW	42	Lower Lake North	2,090	3 - East

Figure 3: Lake Minnetonka Mgmt Areas

B. Measure total use by source of boater.

- **1. General.** The study determined directly from aerial counts boat density at peak times on fair weather weekdays and weekends/holidays. Counted boats were classified into one of 8 craft types listed below.
 - Cruiser has cabin or superstructure
 - Runabout has windshield
 - Fishing/utility no windshield

- Sailboat/sailboard
- Pontoon
- Personal watercraft/jetski
- Canoe/kayak
- Other

Each boat was classified by activity (wake, no wake). As stated above, Attachments B and C provide the sample worksheets for the aerial counting of boats using the sample lakes and empty trailers

2. Aerial Flights. The aerial flights (22 flights) were conducted as follows: 2 reconnaissance flights before the start of the study to locate each sample lake and public access in the study, 4 weekday flights, 8 weekend/holiday flights for other than Minnetonka lakes, 8 weekend flights for Minnetonka.

The flight dates were spread out evenly throughout the summer period. All 30 lakes other than Minnetonka were counted in a single flight (12 flights). Minnetonka flights were flown on separate days, distinct from the flights flown for the 30 lakes, and split into its 42 distinct management areas. Each flight had a primary and a backup date. Weekend/holiday counting started and ended in the afternoon, thus the counts reflected the normal mid-afternoon peak. Weekday aerial counts were started later in the day to reflect the late afternoon/early evening peak. The starting lake and direction of travel were varied from count to count to ensure that the same lake was not always counted first, last, or in the middle. In addition to counting watercraft, the pilot kept a tally of the type of craft and its movement.

In total there were 22 aerial flights and included: 12 boat-counting flights with 8 on weekends/holidays and 4 on weekdays for other than Minnetonka lakes; 8 weekend/holiday flights for Minnetonka; and 2 practice flights for orientation and planning. The Minnetonka flights and the "Other Than" flights were executed on separate days. The flight date schedule is illustrated in table 3 below.

Scheduled flight dates for 2009 Boat Study were flown as follows:

Flight	Date	Туре
1	May 21	Practice flight for Twin Cities Lakes
2	May 24	Holiday Memorial Day
-3	June 13	Weekend
4	June 17	Weekday
5	June 27	Weekend
6	July 4	Holiday July 4 th
7	July 11	Weekend
8	July 15	Weekday
9	July 29	Weekday
10	August 1	Weekend

Flight	Date	Type
11	August 19	Weekday
12	August 22	Weekend
13	September 6	Holiday Labor Day

Table 3: Scheduled Flight Dates for Twin Cities Lakes - 2009

Flight	Date	Type
1	May 14	Practice flight for Minnetonka
2	May 23	Holiday Memorial Day
3	June 6	Weekend
4	June 20	Weekend
5	July 3	Holiday July 4 th
6	July 25	Weekend
7	August 8	Weekend
8	August 29	Weekend
9	September 5	Holiday Labor Day

Table 4: Scheduled Flight Dates for Minnetonka - 2009

3. Public Access. The number of boats launched through each public access was counted. From the air, all public accesses were counted (including the lowest use-ranked accesses) by determining the number of (1) vehicles with empty trailers and (2) trailer-less vehicles that are empty and capable of carrying a boat (e.g. an empty pickup truck without a trailer or vehicle with an empty car top carrier). The vehicles using the public access parking lots, adjoining access sites, and parking areas where vehicles are launching at the public access were counted.

C. Measure Boater experiences, perceptions, and characteristics by source of boater.

- **1. General.** The questionnaires were provided by DNR for the public access and lakeshore resident surveys. Surveys were not done for Lake Minnetonka. Minnetonka survey results from 2004 will be combined with 2009 results from the other metro lakes.
- 2. Method of Contact. Survey respondents were contacted at the public accesses using hand-out surveys. Potential candidates were approached when they were beginning or just ending their boat outing and asked if they would like to participate in a DNR survey. For those responding positively, they were given a hand-out survey and provided their name and address so that in three weeks if they did not respond, another survey was sent to them. The DNR assisted in determining the likely volume at each of the sites.

A mail survey was conducted for the riparian residents. The DNR provided addresses used for each of the sample lakes and randomly selected residents to mail a survey. If the resident did not respond within three weeks, another survey

and reminder letter was sent. Envelopes were individually stamped. A total of 1100 surveys were handed out at public accesses and 1100 surveys were mailed to riparians.

- **D. Methodology & Survey Techniques.** The methodology and survey techniques are described below.
- 1. Sample Lakes. Table 5 provides the sample lakes by category and county.

Lake #	Lake Name	Class 2009*	Class in '96*	Class in '84*	Lake Acres
		H	4		
Seven-Coul	nty Twin Cities Ar	ea Lakes			
270133 Minnetonka		Minnetonka	Minnetonka	Minnetonka	14,034
100009	Minnewashta	Cat 1	Cat 1	Cat 1	763
700026	Lower Prior	Cat 1	Cat 1	Cat 1	1,146
700072	Upper Prior				
820052	Big Marine	Cat 1	Cat 1	Cat 1	1,577
820167	White Bear	Cat 1	Cat 1	Cat 1	2,410
	. 4				N E
620057	Josephine	Cat 2-PA	Cat 2-PA	Cat 2-no PA	110
270137	Christmas	Cat 2-PA	Cat 2-PA	Cat 2-no PA	274
620061	Turtle	Cat 2-PA	Cat 2-PA	Cat 2-no PA	444
270031	Calhoun	Cat 2-PA	Cat 2-PA	Cat 2-PA	416
270019	Nokomis	Cat 2-PA	Cat 2-PA	Cat 2-PA	199
270067	Bryant	Cat 2-PA	Cat 2-PA	Cat 2-PA	199
270111	Eagle	Cat 2-PA	Cat 2-PA	Cat 2-PA	470
620078	Johanna	Cat 2-PA	Cat 2-PA	Cat 2-PA	211
620056	Owasso	Cat 2-PA	Cat 2-PA	Cat 2-PA	360
20052	Netta	Cat 3-no PA	Cat 3-no PA	Cat 3-no PA	162
		*		×	
820163	Clear	Cat 3-PA	Cat 3-PA	Cat 3-no PA	400
700120	Thole	Cat 3-PA	Cat 3-PA	Cat 3-no PA	131
820049	Big Carnelian	Cat 3-PA	Cat 3-PA	Cat 3-PA	444
20006	Centerville	Cat 3-PA	Cat 3-PA	Cat 3-PA	464
820159	Forest	Cat 3-PA	Cat 3-PA	Cat 3-PA	2,206
20026	Linwood	Cat 3-PA	Cat 3-PA	Cat 3-PA	567
190026	Marion	Cat 3-PA	Cat 3-PA	Cat 3-PA	489
100059	Waconia	Cat 3-PA	Cat 3-PA	Cat 3-PA	3,196
Chisago Co	ounty Lakes				
130031	Sunrise	Cat 3-no PA	Cat 3-no PA	n/a	810
130012	Chisago	Cat 3-PA	Cat 3-PA	n/a	1,594
130028	S Lindstrom				
130041	Green	Cat 3-PA	Cat 3-PA	n/a	1,830
130053	Comfort	Cat 3-PA	Cat 3-PA	n/a	220

Table 5: Listing of Sample Lakes by Category

Minnetonka: Lake Minnetonka

Cat 1: Remaining large (high-use) boating lakes (all have public access)

Cat 2-PA: Built-up area lakes with public access

Cat 2-no PA: Built-up area lakes without public access

Cat 3-PA: Rural area lakes with public access

Cat 3-no PA: Rural area lakes without public access

The public accesses with low usage were not sampled. The sample lakes by category and the public accesses demonstrating high and medium usage are provided below in Table 6.

2. Public Access. The public accesses for the Twin Cities Metro Area Lakes used in the study are provided in Table 6. To ensure the efficient use of field time, surveys were only handed out at high (H) and medium (M) use accesses. In addition, survey distributors visited accesses only when boaters were present in order to maximize efficiency. See Table 7 for public access sampling rates.

Category	Lake Name	#	Site code*	Site name		
Seven-County Twin Cities Lakes						
Cat 1	Minnewashta	1	C17	Minnewashta		
Cat 1	L & U Prior	2	S14	(lower/Sand Point)		
	*		S15	(upper/Dewitt)		
Cat 1	Big Marine	2	W4	south side		
			W5	north side		
Cat 1	White Bear	2	R32	north side		
			R33	northwest side		
Cat 2-PA	Josephine	1	R10	Josephine		
Cat 2-PA	Christmas	1	Н8	Christmas		
Cat 2-PA	Turtle	1	R29	Turtle		
Cat 2-PA	Calhoun	1	H5	Calhoun		
Cat 2-PA	Nokomis	1	H63	Nokomis		
Cat 2-PA	Bryant	1	H2	Bryant		
Cat 2-PA	Eagle	1	H15	Eagle		
Cat 2-PA	Johanna	1	R9	Johanna		
Cat 2-PA	Owasso	1	R21	Owasso		
Cat 3-PA	Clear	1	W8	Clear		
Cat 3-PA	Thole	1	S18	Thole		
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian		
Cat 3-PA	Centerville	. 1	A2	Centerville		
Cat 3-PA	Forest	2	W12	north side		
			W13	east side		
Cat 3-PA	Linwood	1	A15	Linwood		
Cat 3-PA	Marion	1	D19	Marion		
Cat 3-PA	Waconia	1	C29	Waconia		
Minnetonka	Minnetonka	10	H37	Spring Park		
, Y	0		(not on map)**	Wayzata		
			H39	Halstead Bay		

^{*} Class codes are as follows:

Category	<u>Lake Name</u>	#	Site code*	Site name
			H41	North Arm
	,	×	H42	Carsons Bay
			H43	Phelps Bay
× .		H44 Cooks Bay		
		v	H45	Grays Bay
			H51	Maxwell Bay
H52		H52	Lake Mtka. Regional Park	
Chisago Co	unty Lakes			
Cat 3-PA	Chisago,S Lindstrom	1		Chisago,S Lindstrom
Cat 3-PA	Green	1	Green	
Cat 3-PA	Comfort	1		Comfort

Table 6: Sample Public Accesses

Table 7 is below.

Distribution of public acc	ess survey	sampling effort		
				Fraction
		Use ranks	Number of	per
By use rank	Fraction	<u>to sample</u>	sites to sample	<u>sample</u> site
Dy dee lain	<u>I radion</u>	(high &	<u></u>	<u>0110</u>
High	0.75	medium)	18	0.042
Medium to high	0.25	(high & medium)	8	0.031
Total	1.00		26	
By lake class	Fraction	# of surveys	_	
Cat1	0.33	363		Tar
Cat 2-PA	0.33	363		,
Cat 3-PA	<u>0.34</u>	374	_	
Total	1.00	1100		
	τ.			
By day of week	<u>Fraction</u>			
Weekend/holiday	0.60			
Weekday	0.40	*		
Total	1.00			
		Ţ	*	à V
By month	Fraction			
May	0.10			
June	0.30			
July	0.30			
August (to Labor Day)	0.30	15		
Total	1.00			

^{*} Site code from Twin Cities Water Recreation map and table

^{**} Located near the Wayzata Yacht Club

Lake class						
1.1.7.1.1.1.1.1.3.1.1.1.1.1.1.1.1.1.1.1.	Cat1	Cat 2-PA	Cat 3-PA	<u>Total</u>		
Total public accesses	7	9	12	28		
Use ranks						
High	5	6	auto de 7.	18		
Medium to high	1	3	4	8		
Low (not part of survey)	1			2		

Table 7: Public Access Sampling Rates

Note: Low use sites are counted from the air, but aren't visited for survey recruitment. There were two low usage sites.

4. Riparians. The riparian surveys were distributed for each category sample into 3 equal parts, with one part mailed in late June, one part in mid-late July, and one part in mid August. Follow-ups to each of the three mailings were mailed three weeks after the initial mailing. DNR provided the sample names and addresses in an MS Excel file. The overall sample was sorted within each category by lake, zip code and name before taking every nth name. From this overall sample, every third name for each mailing (i.e., late June, mid July, mid August) was sent a survey. There were eleven hundred names and addresses selected. The initial mailing consisted of 367 addresses for each of the three months (June, July, August). See Tables 8 and 9 for Sampling Rates and Categories.

	Number	Number of residents		
Lake category	of surveys	on sample lakes		
	8	Centido Studio		
Cat 1	385	1604		
Cat 2-PA	290	780		
Cat 3-PA	385	2528		
Cat 3-no PA	<u>40</u>	<u>40</u>		
Total	1100	4952		

Table 8: Resident Survey Allocation to Sample Lakes within Lake Categories

#residents/	Every Nth	Random start			
<u>#surveys</u>	record to select	(1st record selected)			
4.2	4	2			
2.7	2 then 3	1			
6.6	6 then 7	5			
1.0	1	1			

Table 9: Selections From Lake Categories*

^{*}File sorted within lake class on lake ID and address

Note: Excess records were removed by assigning a random number to each selected record, sorting the file on the random number, and removing the excess records with the largest random numbers.

Note: Aerial boat count information, including trailer counts, was provided after each flight to the DNR to check for consistency.

A total of 1100 surveys were handed out at public accesses and 665 were returned (60.5%). Eleven hundred surveys were mailed to riparians and 671 (61.1%) were returned.

III. PROJECT TASKS

Table 10 below presents the tasks and a brief description of how each task will be accomplished.

Task	Description
Prepare a final, detailed work plan and submit for review, discussion, and revision.	A detailed work plan was prepared that included primary and backup flight dates, the contact methods for public and private accesses, analysis methods, data collection formats, and a detailed
Print survey	schedule. DNR provided the survey questionnaires. The
questionnaires.	surveys were printed professionally using black ink on beige paper in a six page format (one 11x17 outer page and one 8.5x11 insert). A commercial post office box was used as the receptacle for boaters and riparians to mail in their completed surveys. The address is:
	DNR Twin Cities Metro Area Boating Survey 855 Village Center Drive, #381 Saint Paul, MN 55127
Gather data using the surveys and aerial over-flights, the latter including photographs.	The methods described above for measuring total use by source of boater and measuring boater experiences, perceptions, and characteristics by source of boater were used to gather data.
Computerize collected data and deliver automated data files to participating public agencies in a format they require.	All data was entered into a database. The completed surveys were processed using data entry forms and recorded as records in an MS Excel database. The data was formatted in MS Excel.
Analyze study results.	All data was analyzed and the study results reflected total boat/trailer counts for each flight by boating classification and activity. Also each survey question was computed by response in

Task	Description
	percentages.
Prepare a report on study methodology and study results. Deliver a cameraready copy of the report to the DNR, along with 10 copies of the report.	This document serves as the final report that includes project methodology, results, and analysis. All project materials will be boxed and delivered to DNR when requested. A cameraready copy and 10 additional copies will be provided to DNR.
Orally present the report to the DNR at a meeting.	An oral presentation will be created based on the final report in MS PowerPoint for a DNR meeting. The presentation is planned for approximately 20 minutes.

Table 10: Tasks & Descriptions

IV. PROJECT SCHEDULE

The project schedule utilized for this study is provided in Figure 4.

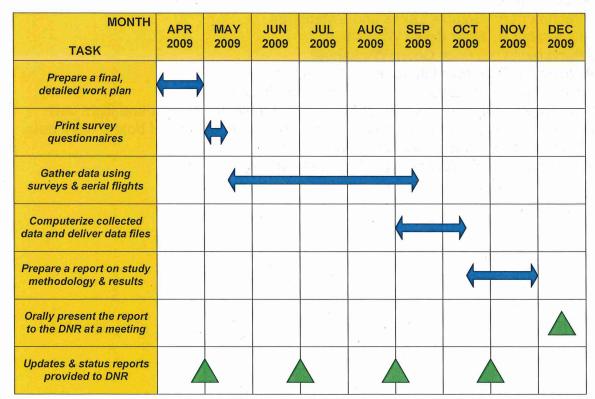


Figure 4: Schedule

V. DELIVERABLES

The deliverables schedule used in this study is provided below in Table 11.

#	Task	Date
1	Final, detailed work and sampling plans	April
2	Finalize and print boat surveys	May
3	Conduct 1/3 of aerial flights & surveys	June
4	Conduct 1/3 of aerial flights & surveys	July
5	Conduct 1/3 of aerial flights & surveys	August
6	Delivery of automated files	September
7	Analyze data & deliver preliminary results	October
8	Study report of findings & copies of report	November
9	Oral report of findings	December

Table 11: Delivery & Payment Schedule

Attachments:

Attachment A: Sample Lakes and Categories

Attachment B: Boat Count Worksheet Attachment C: Trailer Count Worksheet

Attachment D: Cover letters and follow-up cover letters Attachment E: Questionnaires (under separate cover)

Attachment F: Metro Lakes boat & trailer count by type of boat and flight date Attachment G: Lake Minnetonka boat & trailer count by type of boat & flight date

Attachment H: Results of the lakeshore surveys Attachment I: Results of the public access surveys

Attachment A: Sample Lakes and Categories

Lake					
Number	<u>Lake Name</u>	<u>Class 2009*</u>	Class in '96*	Class in '84*	Lake Acres
Savan-Cour	nty Twin Cities Are	na Lakos			
270133	Minnetonka	Minnetonka	Minnetonka	Minnetonka	14,034
100009	Minnewashta	Cat 1	Cat 1	Cat 1	763
700026	Lower Prior	Cat 1	Cat 1	Cat 1	1,146
700020	Upper Prior	Cat I	Cat i	Oat i	1,140
820052	Big Marine	Cat 1	Cat 1	Cat 1	1,577
820167	White Bear	Cat 1	Cat 1	Cat 1	2,410
020107	vviille bear	Cat i	Cat I	Cat I	2,410
620057	Josephine	Cat 2-PA	Cat 2-PA	Cat 2-no PA	110
270137	Christmas	Cat 2-PA	Cat 2-PA	Cat 2-no PA	274
620061	Turtle	Cat 2-PA	Cat 2-PA	Cat 2-no PA	444
270031	Calhoun	Cat 2-PA	Cat 2-PA	Cat 2-PA	416
270019	Nokomis	Cat 2-PA	Cat 2-PA	Cat 2-PA	199
	3 3	3		3-	
270067	Bryant	Cat 2-PA	Cat 2-PA	Cat 2-PA	199
270111	Eagle	Cat 2-PA	Cat 2-PA	Cat 2-PA	470
620078	Johanna	Cat 2-PA	Cat 2-PA	Cat 2-PA	211
620056	Owasso Cat 2-PA		Cat 2-PA	Cat 2-PA	360
20052	Netta	Cat 3-no PA	Cat 3-no PA	Cat 3-no PA	162
820163	Clear	Cat 3-PA	Cat 3-PA	Cat 3-no PA	400
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20006	Centerville	Cat 3-PA	Cat 3-PA	Cat 3-PA	464
820159	Forest	Cat 3-PA	Cat 3-PA	Cat 3-PA	2,206
20026	Linwood	Cat 3-PA	Cat 3-PA	Cat 3-PA	567
190026	Marion	Cat 3-PA	Cat 3-PA	Cat 3-PA	489
100059	Waconia	Cat 3-PA	Cat 3-PA	Cat 3-PA	3,196
Chisago Co	_ ounty Lakes			*	
130031	Sunrise	Cat 3-no PA	Cat 3-no PA	n/a	810
130012	Chisago	Cat 3-PA	Cat 3-PA	n/a	1,594
130028	S Lindstrom			1, 4,	
130041	Green	Cat 3-PA	Cat 3-PA	n/a	1,830
130053	Comfort	Cat 3-PA	Cat 3-PA	n/a	220

Table 5: Listing of Sample Lakes by Category

Minnetonka: Lake Minnetonka

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Cat 2-PA: Built-up area lakes with public access

Cat 2-no PA: Built-up area lakes without public access

Cat 3-PA: Rural area lakes with public access

Cat 3-no PA: Rural area lakes without public access

^{*} Class codes are as follows:

Attachment B: Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No
Mitter Company		(A) 经验证证据		(A) 1945 YO 6		deni-sta	Highlight Carl	THAT SEEDING		Wake
Minnewashta								5		
Lower Prior										* * * * * * * * * * * * * * * * * * * *
Upper Prior				-						
Big Marine		,								
White Bear						¥				
Josephine										
Christmas				ia .				,		
Turtle								,		
Calhoun			=		·	13				
Nokomis							-	v		
Bryant			s-					. 4		
Eagle								-		
Johanna										
Owasso		ž-	¥.	2						
Netta	. " •			-						
Clear	-									
Thole	\$1	-						J=		÷
Big Carnelian	,	× ,	R			,			=	
Centerville						4				
Forest	3							į.		
Linwood										e.
Marion										
Waconia						к				2
Sunrise	1			,	-21		-	71		
Chisago										,
South Lindstrom							(9)			
Green							1			-
Comfort										

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds										×
2 Priests		,			- "1				•	
3 Cooks		K	·						*:	
4 West Upper					90					
5 South Upper			, i		,					
6 Smith Town					a)					
7 Phelps				1		,				
8 East Upper		(5)								
9 Carmen's		8		*		y			41	
10 Old Channel		,			2	7	a 5.1		290	
11 Spring Park	v.	· ·			All a					
12 Black										
13 Emerald			34		9			-		
14 Seton										
15 Harrison's	4								· · ·	
16 Jennings										
17 West Arm	ar ar									
18 Forest							7			
19 Coffee Cove										
20 West Crystal										
21 East Crystal		2							, in the second second	
22 North Arm										
23 Stubbs									*	-
24 Maxwell		* *					, h	,		
25 Lafayette		* **				· ·				
26 Smiths					4		- 1			
27 Tanager								- W		
28 Browns			7 100			7 40	31			

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
29 Wayzata										
30 Gray's										
31 Libb's	(x)		5		-					211
32 Robinson			,							
33 St. Louis	ai .			-						
34 Carson's	140									
35 St. Alban's		,	6-			90			8	
36 Excelsior										
37 Gideons		F							*	
38 Echo										
39 Big Island										
40 Veteran's										
41 Lower Lk S					4					
42 Lower Lk N	v	*		·						

Attachment C: Trailer/Car Toppers/Pickups Count Worksheet

Category	Lake Name	Total	Site Code	Site Name	# Trailers/Car	Comments
		Accesses			Toppers/Pick-ups	MARKET STATES
Cat 1	Minnewashta	1	C17	Minnewashta		
Cat 1	Lower Prior	1	S14	Lower/Sand Point		
Cat 1	Upper Prior	1	S15	Upper/Dewitt		
Cat 1	Big Marine	2	W4	South Side		
			W5	North Side		
Cat 1	White Bear	2	R32	North Side	,	.8.
		×-	R33	Northwest Side		
Cat 2-PA	Josephine	1	R10	Josephine		
Cat 2-PA	Christmas	1	H8	Christmas		
Cat 2-PA	Turtle	1	R29	Turtle		
Cat 2-PA	Calhoun	1	H5	Calhoun		
Cat 2-PA	Nokomis	1	H63	Nokomis		
Cat 2-PA	Bryant	1	H2	Bryant	, ,	
Cat 2-PA	Eagle	1	H15	Eagle		3.00
Cat 2-PA	Johanna	1 1	R9	Johanna		
Cat 2-PA	Owasso	1	R21	Owasso		3
Cat 3-PA	Clear	1	W8	Clear		
Cat 3-PA	Thole	1	S18	Thole		
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	a to the office	t er i
Cat 3-PA	Centerville	1	A2	Centerville	A	3
Cat 3-PA	Forest	2	W12	North Side		
			W13	East Side		
Cat 3-PA	Linwood	1	A15	Linwood		
Cat 3-PA	Marion	1_	D19	Marion		
Cat 3-PA	Waconia	(u. 50 1 - 360)	C29	Waconia		
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom		
Cat 3-PA	Green	1		Green		
Cat 3-PA	Comfort	15 1 Cm	* **	Comfort		F. Disaster

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

Lake Name	Total Accesses	Site Code	Site Name	# Trailers/Car Toppers/Pick-ups	Comments
Minnetonka	10	H37	Spring Park		
		(not on map)*	Wayzata		Y
		H39	Halstead Bay		
		H41	North Arm		
		H42	Carson's Bay		
	(B)	H43	Phelps Bay		
		H44	Cooks Bay		
		H45	Grays Bay		
		H51	Maxwell Bay		
		H52	Lk Mtka Regional Park		

Attachment D: Cover Letters & Follow-up Cover Letters

MN DNR letterhead paper and envelopes were used to print the letters.

Lakeshore resident cover letter #1

Dear (name coverletter),

Every few years we—the Minnesota Department of Natural Resources—survey boaters on recreational boating issues, such as boating opportunities and boating safety. We make many decisions that affect these issues. When making these decisions, we want to be sure we understand what you think.

Please take 15 minutes to fill out the enclosed survey and return it to us. You are one of only a small number of randomly selected lakeshore-resident boaters receiving this survey, so your views are very important to us. Your survey answers are strictly confidential and will never be associated with your name.

This boating study—for the greater Twin Cities metropolitan area—is being conducted by Thompson Engineering Company. If you have any questions about this survey, please contact me at 952-826-6769, or send me an email at Martha.Reger@dnr.state.mn.us.

Thanks for your help!

Marcher Pegu

Sincerely,

Martha J. Reger, Area Supervisor

Lakeshore resident follow-up cover letter

Dear (name_coverletter),

About three weeks ago we sent you a survey about your boating experiences in the Twin Cities metropolitan area. We've received many valuable responses to our survey, but we've missed hearing from you.

Please take 15 minutes to fill out the enclosed survey and return it to us. You are one of only a small number of randomly selected lakeshore-resident boaters receiving this survey, so your views are very important to us. Your survey answers are strictly confidential and will never be associated with your name.

Every few years we—the Minnesota Department of Natural Resources—survey boaters on recreational boating issues, such as boating opportunities and boating safety. We make many decisions that affect these issues. When making these decisions, we want to be sure we understand what you think.

This boating study is being conducted by Thompson Engineering Company. If you have any questions about this survey, please contact me at 952-826-6769, or send me an email at Martha.Reger@dnr.state.mn.us.

Thanks for your help!

Martho Regu

Sincerely,

Martha J. Reger, Area Supervisor

Public Access Cover Letter

Dear Boater,

Every few years we—the Minnesota Department of Natural Resources—survey boaters on recreational boating issues, such as boating opportunities and boating safety. We make many decisions that affect these issues. When making these decisions, we want to be sure we understand what you think.

Please take 15 minutes to fill out the enclosed survey and return it to us. You are one of only a small number of randomly selected public-access boaters receiving this survey, so your views are very important to us. Your survey answers are strictly confidential and will never be associated with your name.

This boating study—for the greater Twin Cities metropolitan area—is being conducted by Thompson Engineering Company. If you have any questions about this survey, please contact me at 952-826-6769, or send me an email at Martha.Reger@dnr.state.mn.us.

Thanks for your help!

Martho Pege

Sincerely,

Martha J. Reger, Area Supervisor

Public Access Follow-up Cover Letter

Dear Boater,

About three weeks ago we sent you a survey about your boating experiences in the Twin Cities metropolitan area. We've received many valuable responses to our survey, but we've missed hearing from you.

Please take 15 minutes to fill out the enclosed survey and return it to us. You are one of only a small number of randomly selected public-access boaters receiving this survey, so your views are very important to us. Your survey answers are strictly confidential and will never be associated with your name.

Every few years we—the Minnesota Department of Natural Resources—survey boaters on recreational boating issues, such as boating opportunities and boating safety. We make many decisions that affect these issues. When making these decisions, we want to be sure we understand what you think.

This boating study is being conducted by Thompson Engineering Company. If you have any questions about this survey, please contact me at 952-826-6769, or send me an email at Martha.Reger@dnr.state.mn.us.

Thanks for your help!

Sincerely,

Marthe Regu

Martha J. Reger, Area Supervisor

Attachment E: Questionnaires

(sent under separate cover earlier)

Attachment F: Metro Lakes Boat & Trailer Counts

Flight Date: Monday, May 25, 2009 Flight Start Time: 1330; Flight End Time: 1530Partly Cloudy, Wind SE 15-20

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	0	6	0	1	0	0	0	3	4
Lower Prior	0	41	10	0	21 .	4	0	0	29	47
Upper Prior	0	11	11	0	6	0	0	0	13	15
Big Marine	0	3	17	0	9	1	2	0	14	18
White Bear	0	15	31	10	15	3	0	12	40	46
Josephine	0	1	4	0	0	0	0	0	0	5
Christmas	0	1	4	0	3	0	0	0	1	7
Turtle	0	6	6	0	2	0	0	0	6	8
Calhoun	0	0	0	0	0	0	10	0	10	0
Nokomis	0	0	1	0	0	0	5	0	6	0
Bryant	0	1	12	0	2	0	1	0	9	7
Eagle	0	0	12	0	2	0	1	0	3	12
Johanna	0	1	4	2	2	0	0	0	3	6
Owasso	0	2	5	0	4	1	0	0	6	6
Netta	0	0	0	0	0	0 -	0	0	0	0
Clear	0	3	8	0	2	0	0	0	0	13
Thole	0	0	3	0	0	0	0	0	0	3
Big Carnelian	0	3	11	1	4	0	0	0	10	9
Centerville	0	3	14	0	2	1	0	0	11	9
Forest	0	5	21	1	24	4	0	0	28	27
Linwood	0	1	9	0	0	0	0	0	4	6
Marion	0	4	. 6	1	0	2	0	0	8	5
Waconia	0	7	13	5	10	2	0	0	20	17
Sunrise	0	1	12	0	0	0	0	0	4	9
Chisago	0	1	22	0	5	0	0	0	12	16
South Lindstrom	0	3	18	0	7	0	0	0	9	19
Green	0	5	12	0	2	2	0	0	14	7
Comfort	0	0	5	0	5	0	0	0	4	6

Flight Date: Monday, May 25, 2009 Flight Start Time: 1330; Flight End Time: 1530Partly Cloudy, Wind SE 15-20

Trailer/Car Toppers/Pickups Count Worksheet

Category Lake Name Total Site Code Site Name # Trailers/Car Comme										
Category	<u>Lake Name</u>	Total Accesses	Site Code	Site Name	Toppers/Pick-ups	Comments				
Cat 1	Minnewashta	ACCESSES	C17	Minnewashta	<u>10ppers/Fick-ups</u> 5					
7800 CHOOL DA. 200 A		1			14					
Cat 1	Lower Prior	1	S14	Lower/Sand Point						
Cat 1	Upper Prior	1	S15	Upper/Dewitt	10	:				
Cat 1	Big Marine	2	W4	South Side	15					
			W5	North Side	10					
Cat 1	White Bear	· 2	R32	North Side	11					
			R33	Northwest Side	10					
Cat 2-PA	Josephine	1	R10	Josephine	4					
Cat 2-PA	Christmas	1	H8	Christmas	5	ъ — — — — — — — — — — — — — — — — — — —				
Cat 2-PA	Turtle	1	R29	Turtle	13					
Cat 2-PA	Calhoun	1	H5	Calhoun	0					
Cat 2-PA	Nokomis	1 .	H63	Nokomis	1	,				
Cat 2-PA	Bryant	1	H2	Bryant	8					
Cat 2-PA	Eagle	1	H15	Eagle	3					
Cat 2-PA	Johanna	1	R9	Johanna	7					
Cat 2-PA	Owasso	1	R21	Owasso	4					
Cat 3-PA	Clear	1	W8	Clear	8	4				
Cat 3-PA	Thole	1	S18	Thole	2					
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	5					
Cat 3-PA	Centerville	1	A2	Centerville	15					
Cat 3-PA	Forest	2	W12	North Side	11					
=			W13	East Side	14					
Cat 3-PA	Linwood	1	A15	Linwood	9	,				
Cat 3-PA	Marion	1	D19	Marion	9	u u				
Cat 3-PA	Waconia	1	C29	Waconia	7					
Cat 3-PA	Chisago, S Lindstom	1	41	Chisago, S Lindstrom	12	×				
Cat 3-PA	Green	1	A	Green	10					
Cat 3-PA	Comfort	1		Comfort	3					

Flight Date Saturday, June 13, 2009 Flight Start Time: 1400; Flight End Time: 1645Clear, Wind S 5

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	4	20	0	.5	1	2	0	5	27
Lower Prior	0	58	10	- 0	15	7	0	0	20	70
Upper Prior	0	12	12	0	10	4	0	0	9	29
Big Marine	0	15	38	2	6	2	0	0	11	52
White Bear	0	22	20	36	28	0	0	0	31	75
Josephine	0	1	1	0	0	2	0	0	1	3
Christmas	0	3	4	0	2	0	0	0	3	6
Turtle	0	5	8	0	3	0	0	0	3	13
Calhoun	0	0	0	0	0	0	20	5	20	5
Nokomis	0	0	2	0	0	0	14	5	18	3
Bryant	0	4	10	0	4	0	0	0	4	14
Eagle	0	3	16	0	6	0	0	0	2	23
Johanna	0	2	4	0	1	0	0	0	2	5
Owasso	0	3	6	0	11	0	1	0	6	15
Netta	0	0	2	0	0	0	0	. 0	0	2
Clear	0	2	4	0	3	2	0	0	3	8
Thole	0	6	0	0	0	0	0	0	0	6
Big Carnelian	0	9	12	0	5	0	0	0	6	20
Centerville	0	4	8	0	2	0	0	0	5	9
Forest	0	15	34	2	32	3	0	: 1	24	63
Linwood	0	2	11	0	6	2	0	0	5	16
Marion	0	12	11	0	6	2.	0	0	5	26
Waconia	0	9	33	4	25	2	0	0	15	58
Sunrise	0	1	6	0	2	0	0	0	0	9
Chisago	0	7	22	0	6	3	0	0	15	23
South Lindstrom	0	4	12	0	. 5	0	0	0	6	15
Green	0	3	17	0	2	3	0	0	8	17
Comfort	0	3 ,	3	0	2	1 1	0	0	4	5

Flight Date Saturday, June 13, 2009 Flight Start Time: 1400; Flight End Time: 1645Clear, Wind S 5

Trailer/Car Toppers/Pickups Count Worksheet

Trailer/Car I	Car Toppers/Pickups Count Worksneet										
Category	<u>Lake Name</u>	<u>Total</u>	Site Code	Site Name	# Trailers/Car	Comments					
		Accesses			Toppers/Pick-ups						
Cat 1	Minnewashta	1	C17	Minnewashta	15						
Cat 1	Lower Prior	1	S14	Lower/Sand Point	11						
Cat 1	Upper Prior	1	S15	Upper/Dewitt	24	2					
Cat 1	Big Marine	2	W4	South Side	27						
			W5	North Side	28						
Cat 1	White Bear	2	R32	North Side	15						
			R33	Northwest Side	26						
Cat 2-PA	Josephine	1	R10	Josephine	1						
Cat 2-PA	Christmas	1	H8	Christmas	3						
Cat 2-PA	Turtle	1	R29	Turtle	5						
Cat 2-PA	Calhoun	1	H5	Calhoun	0						
Cat 2-PA	Nokomis	1	H63	Nokomis	2						
Cat 2-PA	Bryant	1	H2	Bryant	11						
Cat 2-PA	Eagle	1	H15	Eagle	6						
Cat 2-PA	Johanna	1	R9	Johanna	0						
Cat 2-PA	Owasso	1	R21	Owasso	13						
Cat 3-PA	Clear	1	W8	Clear	7						
Cat 3-PA	Thole	1	S18	Thole	3	ч					
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	4						
Cat 3-PA	Centerville	1	A2	Centerville	10						
Cat 3-PA	Forest	2	W12	North Side	12						
91			W13	East Side	14						
Cat 3-PA	Linwood	1	A15	Linwood	16	*					
Cat 3-PA	Marion	1	D19	Marion	19	,					
Cat 3-PA	Waconia	1	C29	Waconia	14						
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom	46	2					
Cat 3-PA	Green	1		Green	10	¥					
Cat 3-PA	Comfort	1		Comfort	5						

Flight Date: Wednesday, June 17, 2009 Flight Start Time: 1500; Flight End Time: 1730Mostly Cloudy, Wind E 8

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	0	5	0	0	0	0	0	1	4
Lower Prior	0	4	6	0	0	5	- 0	0	7	8
Upper Prior	0	3	6	0	.0	1	0	0	2	8
Big Marine	0	0	14	0	0	0	0	0	4	10
White Bear	0	2	16	0	2	1	0	0	- 8	13
Josephine	0	0	1	0	0	0	0	0	0	1
Christmas	0	0	1	0	2	0	0	0	1	2
Turtle	0	1	4	0	0	0	0	0	1	4
Calhoun	0	0	0	0	0	0	3	1.	4	0
Nokomis	0	0	0	0	0	0	4	0	4	0
Bryant	0	0	8	0	0	0	1	0	0	9
Eagle	0	0	2	0	0	0	0	0	0	2
Johanna	0	0	2	0	0	0	0	0	0	2
Owasso	0	2	3	1	0	0	0	0	2	4
Netta	0	0	1	0	0	0	0	0	0	1
Clear	0	0	0	0	0	0	0	0	0	0
Thole	0	0	1_	0	0	0	0	0	0	1
Big Carnelian	0	3	3	0	0	0	0	0	3	3
Centerville	0	2	5	0	1	0	0	0	2	6
Forest	0	2	21	0	7	3	0	0	8	25
Linwood	0	0	3	0	0	0	4	0	0	7
Marion	0	1	4	0	0	1	0	0	1	. 5
Waconia	0	1	11	0	1	2	0	0	4	11
Sunrise	0	0	4	0	0	0	0	4 5/1 0	1	3
Chisago	0	0	11	0	1	2	0	0	4	10
South Lindstrom	0	0	3	0	1	0	0	0	3	1 -
Green	0	0	9	0	0	0	0	0	1	8
Comfort	0	0	2	0	0	0	0	0	1	1

Flight Date: Wednesday, June 17, 2009 Flight Start Time: 1500; Flight End Time: 1730Mostly Cloudy, Wind E 8

Trailer/Car Toppers/Pickups Count Worksheet

Category	Lake Name	Total	Site Code	Site Name	# Trailers/Car	Comments
<u>Outegory</u>	<u>Lake Hame</u>	Accesses	One ocuc	<u>Otto Itamo</u>	Toppers/Pick-ups	<u>John Horito</u>
Cat 1	Minnewashta	1	C17	Minnewashta	4	
Cat 1	Lower Prior	1	S14	Lower/Sand Point	7	
Cat 1	Upper Prior	1	S15	Upper/Dewitt	6	· ·
Cat 1	Big Marine	2	W4	South Side	2	
			W5	North Side	7	8
Cat 1	White Bear	2	R32	North Side	10	
	-		R33	Northwest Side	0	=
Cat 2-PA	Josephine	- 1	R10	Josephine	0	
Cat 2-PA	Christmas	1	H8	Christmas	2	
Cat 2-PA	Turtle	1	R29	Turtle	2	
Cat 2-PA	Calhoun	1	H5	Calhoun	0	
Cat 2-PA	Nokomis	1	H63	Nokomis	0	
Cat 2-PA	Bryant	1	H2	Bryant	5	
Cat 2-PA	Eagle	1	H15	Eagle	1	
Cat 2-PA	Johanna	1	R9	Johanna	0	
Cat 2-PA	Owasso	1	R21	Owasso	2	
Cat 3-PA	Clear	1	W8	Clear	0	
Cat 3-PA	Thole	1	S18	Thole	1	
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	3	
Cat 3-PA	Centerville	1	A2	Centerville	7	
Cat 3-PA	Forest	2	W12	North Side	6	
	·		W13	East Side	5	
Cat 3-PA	Linwood	1	A15	Linwood	2	
Cat 3-PA	Marion	1	D19	Marion	0	r
Cat 3-PA	Waconia	1	C29	Waconia	4	
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom	9	
Cat 3-PA	Green	1		Green	3	81
Cat 3-PA	Comfort	1		Comfort	0	

Flight Date: Saturday, June 27, 2009 Flight Start Time: 1400; Flight End Time: 1600Mostly Cloudy, Wind SW 15-25

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	2	2	0	1	0	0	0	0	5
Lower Prior	0	8	12	0	7	0	0	0	6	21
Upper Prior	0	4	4	0	7	0	0	0	4	11
Big Marine	0	1	1.4	1	1	2	0	0	8	11
White Bear	0	6	17	4	10	2	0	2	9	32
Josephine	0	0	1	0	1	0	0	0	0-	2
Christmas	0	3	0	0	0	1	0	0	1	3
Turtle	0	1	2	0	0	1	0	. 0	2	2
Calhoun	0	0	4	2	0	0	4	36	10	36
Nokomis	0	0	2	0	0	0	3	11	2	14
Bryant	0	0	2	0	0	0	1	0	0	3
Eagle	0	0	7	0	0	0	0	0	1	6
Johanna	0	2	6	0	2	0	0	0	3	7
Owasso	0	2	3	0	1 %	1	0	0	2	5
Netta	0	0	3	0	0	0	0	0	1	2
Clear	0	0	2	0	0	0	0	0	1 .	1
Thole	0	4	1	0	2	0	0	0	1	6
Big Carnelian	0	3	6	0 .	1	0	0	0	4	6
Centerville	0	2	5	0	1	0	0	0	3	5
Forest	0	4	25	2	7	2	0	0	12	28
Linwood	0	0	2	0	1	0	0	0	1	2
Marion	0	1	4	0	0	0	0	0	1	4
Waconia	0	3	6	. 2	7	1	0	2	8	13
Sunrise	0	0	3	0	1	0	0	0	1	3
Chisago	0	3	9	0	3	0	0	0	3	12
South Lindstrom	0	1	6	0	2	0	0	0	4	5
Green	0	2	10	0	1	0	0	0	4	9
Comfort	0	0	2	0	1	0	0	0	0	3

Flight Date: Saturday, June 27, 2009 Flight Start Time: 1400; Flight End Time: 1600Mostly Cloudy, Wind SW 15-25

Trailer/Car Tannara/Diakuna Caunt Warkshoot

Trailer/Car Toppers/Pickups Count Worksheet											
Category	<u>Lake Name</u>	<u>Total</u>	Site Code	Site Name	# Trailers/Car	Comments					
		Accesses			Toppers/Pick-ups						
Cat 1	Minnewashta	1	C17	Minnewashta	3	V					
Cat 1	Lower Prior	1	S14	Lower/Sand Point	11						
Cat 1	Upper Prior	1	S15	Upper/Dewitt	4						
Cat 1	Big Marine	2	W4	South Side	4						
	* *		W5	North Side	3						
Cat 1	White Bear	2	R32	North Side	7						
	*		R33	Northwest Side	6	*					
Cat 2-PA	Josephine	1	R10	Josephine	2						
Cat 2-PA	Christmas	1	H8	Christmas	1						
Cat 2-PA	Turtle	1	R29	Turtle	2	*					
Cat 2-PA	Calhoun	1	. H5	Calhoun	3						
Cat 2-PA	Nokomis	1	H63	Nokomis	2						
Cat 2-PA	Bryant	1	H2	Bryant	3						
Cat 2-PA	Eagle	1	H15	Eagle	6						
Cat 2-PA	Johanna	1	R9	Johanna	. 6						
Cat 2-PA	Owasso	1	R21	Owasso	4						
Cat 3-PA	Clear	1	W8	Clear	1						
Cat 3-PA	Thole	1	S18	Thole	1						
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	4						
Cat 3-PA	Centerville	.1	A2	Centerville	4	*					
Cat 3-PA	Forest	2	W12	North Side	11	4					
	٠.		W13	East Side	5	*					
Cat 3-PA	Linwood	1	A15	Linwood	2	20					
Cat 3-PA	Marion	1	D19	Marion	3						
Cat 3-PA	Waconia	1	C29	Waconia	6						
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom	11	e e					
Cat 3-PA	Green	1		Green	5						
Cat 3-PA	Comfort	1		Comfort	0	*					

Flight Date: Saturday, July 4, 2009 Flight Start Time: 1350; Flight End Time: 1730Sunny, Wind S 10

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	6	5	0	2	0	3	0	5	11
Lower Prior	4	126	2	0	80	5	0	1	32	186
Upper Prior	2	21	3	0	18	2	- 0	0	7	39
Big Marine	0	49	11	1	12	4	0	1	34	44
White Bear	0	44	1	1	42	3	0	0	11	80
Josephine	11.	0	5	0	0	1	0	0	1	6
Christmas	0	5	2	0	3	1	1	0	2	10
Turtle	0	9	5	0	2	1	0 -	0	6	11
Calhoun	0	0	4	3	0	0	11	66	11	73
Nokomis	0	0	4	1	0	0	6	29	10	30
Bryant	0	4	3	0	7	0	0	0	2	12
Eagle	0	3	5	0	4	0	0	0	3	9
Johanna	0	2	4	0	0	0	1	0	2	5
Owasso	0	6	5	0	2	0	0	0	5	8
Netta	0	0	0	0	0	0	0	0	0	0
Clear	0	8	3	0	11	2	0	0	10	14
Thole	0	1	2	0	0	0	0	0	0	3
Big Carnelian	0	19	3	0	11	2	1	0	10	26
Centerville	0	9	3	0	1 500	4	0	0	9	8
Forest	0	65	5	0	77	5	0	0	80	72
Linwood	0	2	3	0	5	2	0	0	8	4
Marion	0	21	4	0	1	4	0	0	9	21
Waconia	0	56	21	1	11	0	0	11	20	80
Sunrise	0	0	1	0	1	0	0	0	1	1
Chisago	0	10	7 - 7	0	12	2	0	0	4	27
South Lindstrom	0	22	0	0	19	0	0	0	3	38
Green	0	11	9	0	18	2	0	1	13	28
Comfort	0	6	6	0	11	2	1	0	7	19

Flight Date: Saturday, July 4, 2009 Flight Start Time: 1350; Flight End Time: 1730Sunny, Wind S 10

	ar Toppers/Pickups Count Worksneet										
Category	<u>Lake Name</u>	<u>Total</u>	Site Code	Site Name	# Trailers/Car	Comments					
		Accesses			Toppers/Pick-ups						
Cat 1	Minnewashta	1	C17	Minnewashta	8						
Cat 1	Lower Prior	1	S14	Lower/Sand Point	45	ž					
Cat 1	Upper Prior	1	S15	Upper/Dewitt	13						
Cat 1	Big Marine	2	W4	South Side	27	(4)					
* .			W5	North Side	46	6					
Cat 1	White Bear	2	R32	North Side	32						
			R33	Northwest Side	21						
Cat 2-PA	Josephine	1	R10	Josephine	3						
Cat 2-PA	Christmas	1	H8	Christmas	. 4						
Cat 2-PA	Turtle	1	R29	Turtle	22						
Cat 2-PA	Calhoun	1	H5	Calhoun	8	a (*)					
Cat 2-PA	Nokomis	1	H63	Nokomis	11						
Cat 2-PA	Bryant	1	H2	Bryant	13						
Cat 2-PA	Eagle	1	H15	Eagle	2	18					
Cat 2-PA	Johanna	1	R9	Johanna	13	*					
Cat 2-PA	Owasso	1 .	R21	Owasso	5						
Cat 3-PA	Clear	1	W8	Clear	10	×					
Cat 3-PA	Thole	1	S18	Thole	2						
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	9						
Cat 3-PA	Centerville	1	A2	Centerville	17						
Cat 3-PA	Forest	2	W12	North Side	33						
			W13	East Side	18						
Cat 3-PA	Linwood	1	A15	Linwood	14						
Cat 3-PA	Marion	1	D19	Marion	32						
Cat 3-PA	Waconia	1	C29	Waconia	39						
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom	52						
Cat 3-PA	Green	1	e	Green	17						
Cat 3-PA	Comfort	1	×	Comfort	10						

Flight Date: Saturday, July 11, 2009 Flight Start Time: 1230; Flight End Time: 1400Mostly Cloudy, Wind E 8

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	4	9	0	0	1	0	0	2	12
Lower Prior	2	34	8	0	15	6	0	0	15	50
Upper Prior	0	17	6	0	7	. 0	2	0	10	22
Big Marine	0	13	37	2	10	1	0	0	11	52
White Bear	0	17	15	12	18	1	4	0	13	54
Josephine	0	1	2	0	1	0	0	0	1	3
Christmas	0	3	5	0	1	0	0	0	2	7
Turtle	0	2	5	0	1	0	0	. 0	0	8
Calhoun	0	0	3	0	0	0	1	21	4	21
Nokomis	0	0	2	0	0	0	1	8	0	11
Bryant	0	2	3	0	3	0	0	0	0	8
Eagle	0	0	13	0	1	0	0	0	1 .	13
Johanna	0	2	4	1	1	0	0	0	2	6
Owasso	0	9	7	0	2	0	0	0	6	12
Netta	0	0	1	0	0	0	0	0	0	1
Clear	0	1	5	0	1	0	0	0	1	6
Thole	0	0	1	0	0	0	0	0	.0	1
Big Carnelian	0	6	6	0	3	0	0	0	4	11
Centerville	0	4	7	0	3	3	0	0	7	10
Forest	0	13	19	1	18	4	0	0	19	36
Linwood	0	3	8	0	3	0	0	0	2	12
Marion	0	6	34	0	2	0	0	0	9	33
Waconia	0	6	30	3	10	2	0	0	21	30
Sunrise	0	1	7	0	2	0	0	0	0	10
Chisago	0	5	19	1	4	0	0	0	5	24
South Lindstrom	0	6	8	0	5	2	0	0	7	14
Green	0	4	16	1	4	0	0	0	3	22
Comfort	0	3	5	0	2	0	0	0	1	9

Flight Date: Saturday, July 11, 2009 Flight Start Time: 1230; Flight End Time: 1400Mostly Cloudy, Wind E 8

	aller/Car Toppers/Pickups Count Worksneet										
Category	<u>Lake Name</u>	<u>Total</u>	Site Code	Site Name	# Trailers/Car	Comments					
		Accesses		THE REPORT OF THE PARTY OF THE	Toppers/Pick-ups						
Cat 1	Minnewashta	.1	C17	Minnewashta	6	3					
Cat 1	Lower Prior	1	S14	Lower/Sand Point	19						
Cat 1	Upper Prior	1	S15	Upper/Dewitt	12	,					
Cat 1	Big Marine	2	W4	South Side	22						
			W5	North Side	20						
Cat 1	White Bear	2	R32	North Side	34						
			R33	Northwest Side	15						
Cat 2-PA	Josephine	1	R10	Josephine	2						
Cat 2-PA	Christmas	1	H8	Christmas	5						
Cat 2-PA	Turtle	1	R29	Turtle	7						
Cat 2-PA	Calhoun	1	H5	Calhoun	2						
Cat 2-PA	Nokomis	1	H63	Nokomis	1						
Cat 2-PA	Bryant	1	H2	Bryant	3	,					
Cat 2-PA	Eagle	1	H15	Eagle	4						
Cat 2-PA	Johanna	1	R9	Johanna	4						
Cat 2-PA	Owasso	1	R21	Owasso	6						
Cat 3-PA	Clear	1	W8	Clear	5	,					
Cat 3-PA	Thole	1	S18	Thole	0						
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	7						
Cat 3-PA	Centerville	1	A2	Centerville	16						
Cat 3-PA	Forest	2	W12	North Side	17						
			W13	East Side	13						
Cat 3-PA	Linwood	1	A15	Linwood	9						
Cat 3-PA	Marion	1	D19	Marion	21						
Cat 3-PA	Waconia	1	C29	Waconia	14						
Cat 3-PA	Chisago, S Lindstom	1	•	Chisago, S Lindstrom	33	ř.					
Cat 3-PA	Green	1		Green	11	У					
Cat 3-PA	Comfort	1	÷	Comfort	1						

Flight Date: Wednesday, July 15, 2009 Flight Start Time: 1400; Flight End Time: 1630Partly Cloudy, Wind W 15-20

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	0	5	0	0	0	0	0	0	5
Lower Prior	. 0	7	7	0	3	1	0	0	5	13
Upper Prior	0	5	2	0	0	0	0	0	2	5
Big Marine	0	0	6	0	0	0	0	0	1	5
White Bear	0	3	4	15	6	2	0	0	6	24
Josephine	0	0	0	0	0	0	0	0	0	0
Christmas	0	0	3	0	1	0	0	0	2	2
Turtle	0	0	1	0	0	0	0	0	0	1
Calhoun	0	0	0	0	0	0	0	5	0	5
Nokomis	0	0	0	0	0	0	2	2	0	4
Bryant	0	0	5	0	0	0	0	0	1	4
Eagle	0	1	2	0	0	0	0	0	1	2
Johanna	0	0	1	0	0	0	2	0	0	3
Owasso	0	3	0	0	0	0	0	0	2	1
Netta	0	0	0	0	0	0	0	0	0	0
Clear	0	0	2	0	0	0	0	0	0	2
Thole	0	0	0	0	0	0	0	0	0	0
Big Carnelian	0	3	2	0	0	0	0	0	2	3
Centerville	0	0	4	0	0	0	0	0	1	3
Forest	0	2	8	0	1	1	0.	0	2	10
Linwood	0	0	3	0	0	0	0	0	0	3
Marion	0	0	5	0	0	0	0	0	2	3
Waconia	0	0	9	8	0	0	0	3	3	17
Sunrise	0	0	0	0	0	0	0	0	0	0
Chisago	0	0	2	0	0	0	0	0	0	2
South Lindstrom	0	1	3	0	1	0	0	0	2	3
Green	0	2	2	0	0	0	0	0	0	4
Comfort	0	0	3	0	0	0	0	0	0	.3

Flight Date: Wednesday, July 15, 2009 Flight Start Time: 1400; Flight End Time: 1630Partly Cloudy, Wind W 15-20

Category	Lake Name	Total	Site Code	Site Name	# Trailers/Car	Comments
<u>outegory</u>	<u>Lake Hallie</u>	Accesses	One odde	Otto Namo	Toppers/Pick-ups	<u>oommonto</u>
Cat 1	Minnewashta	1	C17	Minnewashta	2	
Cat 1	Lower Prior	1	S14	Lower/Sand Point	7	
Cat 1	Upper Prior	1	S15	Upper/Dewitt	3	
Cat 1	Big Marine	2	W4	South Side	- 1	
			W5	North Side	3	
Cat 1	White Bear	2	R32	North Side	5	
			R33	Northwest Side	. 2	
Cat 2-PA	Josephine	1	R10	Josephine	0	
Cat 2-PA	Christmas	1	H8	Christmas	3	
Cat 2-PA	Turtle	1	R29	Turtle	0	
Cat 2-PA	Calhoun	1	H5	Calhoun	0	
Cat 2-PA	Nokomis	1	H63	Nokomis	0	
Cat 2-PA	Bryant	1	H2	Bryant	4	
Cat 2-PA	Eagle	1	H15	Eagle	3	
Cat 2-PA	Johanna	1 .	R9	Johanna	1	*
Cat 2-PA	Owasso	1	R21	Owasso	1	No.
Cat 3-PA	Clear	1	W8	Clear	2	
Cat 3-PA	Thole	1	S18	Thole	0	1
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	1	
Cat 3-PA	Centerville	1	A2	Centerville	2	
Cat 3-PA	Forest	2	W12	North Side	3	2.0
			W13	East Side	1	2
Cat 3-PA	Linwood	1	A15	Linwood	3	
Cat 3-PA	Marion	1	D19	Marion	5	
Cat 3-PA	Waconia	1	C29	Waconia	2	
Cat 3-PA	Chisago, S Lindstom	1	A	Chisago, S Lindstrom	6	
Cat 3-PA	Green	1		Green	2	
Cat 3-PA	Comfort	1		Comfort	0	

Flight Date: Wednesday, July 29, 2009 Flight Start Time: 1500; Flight End Time: 1645Overcast, Wind W 10

Boat Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	4	5	0	1	0	3	0	3	10
Lower Prior	0	14	9	0	3	4	1	0	9	22
Upper Prior	0	8	5	0	2	1 1	0	0	4	12
Big Marine	0	3	9	0	1	0	0	0	3	10
White Bear	0	6	8	6	8	0	0	0	10	18
Josephine	0	0 ,	1	0	1	0	0	0	0	2
Christmas	0	3	3	0	0	0	0	0	1	5
Turtle	0	0	2	0	0	1	0	0	1	2
Calhoun	0 0	0	0	0	0	0	0	2	0	2
Nokomis	0	0	1	0	0	0	1	1	3	0
Bryant	0	2	2	0	0	0	4	1	0	9
Eagle	0	1	4	0	3	0	1	0	1	8
Johanna	0	0	3	0	0	0	0	0	0	3
Owasso	0	2	2	0	1	0	0	0	1	4
Netta	0	1	0	0	0	0	0	0	0	1
Clear	0	0	. 1	0	1	0	0	0	1	1
Thole	0	0	0	0	0	0	0	0	0	0
Big Carnelian	0	3	2	0	0	0	2	0	2	5
Centerville	0	0	4	0	0	0	0	0	1	3
Forest	0	4	9	0	10	0	0	0	6	17
Linwood	0	0	4	0	0	0	0	0	0	4
Marion	0	3	5	0	1	0	0	0	2	7
Waconia	0	5	12	1	4	0	0	0	3	19
Sunrise	0	0	1	0	0	0	0	0	0	1
Chisago	0	0	9	0	2	0	0	0	4	7
South Lindstrom	0	2	3	0	2	0	0	0	1	6
Green	0	0	5	0	1	0	0	0	1	5
Comfort	0	0	1	0	0	0	0	0	0	1

Flight Date: Wednesday, July 29, 2009 Flight Start Time: 1500; Flight End Time: 1645Overcast, Wind W 10

	oppers/Pickups Count		Cita Nama	# T 10 10	Comments	
Category	<u>Lake Name</u>	Total	Site Code	Site Name	# Trailers/Car	Comments
		Accesses		THE PERSON NAMED IN COLUMN	Toppers/Pick-ups	
Cat 1	Minnewashta	1 , ,	C17	Minnewashta	3	
Cat 1	Lower Prior	. 1	S14	Lower/Sand Point	12	
Cat 1	Upper Prior	1	S15	Upper/Dewitt	7	
Cat 1	Big Marine	2	W4	South Side	6	
*			W5	North Side	5	
Cat 1	White Bear	2	R32	North Side	Closed	4
			R33	Northwest Side	15	
Cat 2-PA	Josephine	. 1	R10	Josephine	2	×
Cat 2-PA	Christmas	1	H8	Christmas	4	*
Cat 2-PA	Turtle	1	R29	Turtle	2	
Cat 2-PA	Calhoun	1	H5	Calhoun	0	
Cat 2-PA	Nokomis	1	H63	Nokomis	1	
Cat 2-PA	Bryant	1	H2	Bryant	4	
Cat 2-PA	Eagle	1	H15	Eagle	2	
Cat 2-PA	Johanna	1	R9	Johanna	3 .	
Cat 2-PA	Owasso	1	R21	Owasso	4	
Cat 3-PA	Clear	1	W8	Clear	1	
Cat 3-PA	Thole	1	S18	Thole	0	
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	2	
Cat 3-PA	Centerville	1	A2	Centerville	4	18
Cat 3-PA	Forest	2	W12	North Side	5	
			W13	East Side	4	
Cat 3-PA	Linwood	1	A15	Linwood	4	7
Cat 3-PA	Marion	1	D19	Marion	8	
Cat 3-PA	Waconia	1	C29	Waconia	6	
Cat 3-PA	Chisago, S Lindstom	1	-26	Chisago, S Lindstrom	10	÷
Cat 3-PA	Green	1		Green	4	
Cat 3-PA	Comfort	1		Comfort	0	*

Flight Date: Saturday, August 1, 2009 Flight Start Time: 1400; Flight End Time: 1545

Mostly Cloudy, Wind W 10

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	2	4	0	3	0	0	0	2	7
Lower Prior	1	12	4	0	6	0	0	0	9	14
Upper Prior	0	6	3	1	6	2	1	0	7	12
Big Marine	0	2	12	1	0	0	2	0	1	16
White Bear	0	10	13	64	15	0	0	2	6	98
Josephine	0	0	0	0	0	0	0	0	0	0
Christmas	0	1	2	0	0	0	1	0	1	3
Turtle	0	7	2	0	0	0	0	0	1	8
Calhoun	0	0	2	0	0	0	6	25	8	25
Nokomis	0	0	1	0	0	0	4	13	17	. 1
Bryant	0	2	-1	0	0	0	1	0	1	3
Eagle	0	0	1	0	2	0	0	0	1	2
Johanna	0	1	2	0	0	0	0	0	0	3
Owasso	0	3	4	0	1	0	0	0	3	5
Netta	0	0	2	0	0	0	0	0	0	2
Clear	0	0	1	0	1	0	0	0	0	2
Thole	0	0	1	0	0	0	0	0	0	1
Big Carnelian	0	0	3	0	1	0	0	0	1	3
Centerville	0	1	3	0	1	1	0	0	1	5
Forest	0	4	11	1	6	2	0	0	10	14
Linwood	0	2	3	0	1	2	0	0	3	5
Marion	0	3	4	0	0	0	0	0	2	5
Waconia	0	0	5	8	2	0	0	4	4	15
Sunrise	0	1	1	0	0	0	0	4.14.0	0	2
Chisago	1.1	1	4	0	0	0	0	0	2	4
South Lindstrom	0	1	6	0	1/5	0	0	0	1	7
Green	0	3	4	0	4	0	0	0	3	8
Comfort	0	1	1	0	1	0	0	0	0	3

Flight Date: Saturday, August 1, 2009 Flight Start Time: 1400; Flight End Time: 1545

Mostly Cloudy, Wind W 10

Category	Lake Name	Total	Site Code	Site Name	# Trailers/Car	Comments
A STATE OF THE STATE OF		Accesses			Toppers/Pick-ups	
Cat 1	Minnewashta	1	C17	Minnewashta	2	
Cat 1	Lower Prior	1	S14	Lower/Sand Point	14	
Cat 1	Upper Prior	1	S15	Upper/Dewitt	7	
Cat 1	Big Marine	2	W4	South Side	7	
-		*	W5	North Side	10	
Cat 1	White Bear	2	R32	North Side	Closed	
			R33	Northwest Side	18	
Cat 2-PA	Josephine	1	R10	Josephine	0	
Cat 2-PA	Christmas	1	H8	Christmas	3 -	
Cat 2-PA	Turtle	1	R29	Turtle	5	
Cat 2-PA	Calhoun	1	H5	Calhoun	2	
Cat 2-PA	Nokomis	1	H63	Nokomis	1	
Cat 2-PA	Bryant	1	H2	Bryant	3	
Cat 2-PA	Eagle	1	H15	Eagle	1	
Cat 2-PA	Johanna	1	R9	Johanna	3	φ =
Cat 2-PA	Owasso	1	R21	Owasso	5 .	
Cat 3-PA	Clear	. 1	W8	Clear	2	-
Cat 3-PA	Thole	1	S18	Thole	1	
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	2	-
Cat 3-PA	Centerville	1	A2	Centerville	2	* "
Cat 3-PA	Forest	2	W12	North Side	10	
			W13	East Side	5	
Cat 3-PA	Linwood	1	A15	Linwood	5	
Cat 3-PA	Marion	1	D19	Marion	5	4
Cat 3-PA	Waconia	1	C29	Waconia	4	
Cat 3-PA	Chisago, S Lindstom	1	=	Chisago, S Lindstrom	10	
Cat 3-PA	Green	1		Green	6	
Cat 3-PA	Comfort	1		Comfort	1	

Flight Date: Sunday, August 23, 2009 Flight Start Time: 1340; Flight End Time: 1530

Mostly Sunny, Wind E 5-10

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	3	3	0	4	0	0	0	3	7
Lower Prior	1	15	7	0	8	0	0	0	14	17
Upper Prior	0	9	8	2	10	· 1	0	0	11	19
Big Marine	0	4	19	0	1	.0	1	0	2	23
White Bear	0	7	16	59	28	0	0	2	7	105
Josephine	0	0	0	0	0	0	1	0	1	0
Christmas	0	1	1	0	0	0	1	0	1	2
Turtle	0	6	5	0	0	0	0	0	1	10
Calhoun	0	0	4	0	0	0	16	31	8	43
Nokomis	0	0	1	0	0	0	7	12	16	4
Bryant	0	2	1	0	0	0	1	0	1	3
Eagle	0	0	1	0	2	6	2	0	7	4
Johanna	0	3	0	0	0	0	0	0	1	2
Owasso	0	5	6	0	2	0	0	0	3	10
Netta	0	0	1	0	0	0	0	0	0	1
Clear	0	0	4	0	0	2	0	0	2	4
Thole	0	0	0	0	0	0	0	0	0	0
Big Carnelian	0	0	1	0	0	0	0	0	0	1
Centerville	0	1	16	0	2	7	0	0	8	18
Forest	0	7	20	0	11	8	0	0	10	36
Linwood	0	1	7	0	4	0	0	0	0	12
Marion	0	6	2	0	2	6	0	0	8	8
Waconia	0	0	7	7	4	0	0	8	6	20
Sunrise	0	0	1	0	0	0	0	0	0	1
Chisago	0	3	9	0	0	0	0	0	0	12
South Lindstrom	0	0	3	0	3	0	0	0	3	3
Green	0	7	3	0	6	0	0	0	3	13
Comfort	0	1	1	0	2	0	0	0	0	4

Flight Date: Sunday, August 23, 2009 Flight Start Time: 1340; Flight End Time: 1530

Mostly Sunny, Wind E 5-10

Category	Lake Name	Total	Site Code	Site Name	# Trailers/Car	Comments
		Accesses			Toppers/Pick-ups	
Cat 1	Minnewashta	1	C17	Minnewashta	3.	
Cat 1	Lower Prior	1	S14	Lower/Sand Point	19	
Cat 1	Upper Prior	1	S15	Upper/Dewitt	11	
Cat 1	Big Marine	2	W4	South Side	3	
4			W5	North Side	12	
Cat 1	White Bear	2	R32	North Side	14	
	*	(e)	R33	Northwest Side	14	ęr
Cat 2-PA	Josephine	1	R10	Josephine	0	
Cat 2-PA	Christmas	1	H8	Christmas	2	
Cat 2-PA	Turtle	1	R29	Turtle	9	
Cat 2-PA	Calhoun	1	H5	Calhoun	4	
Cat 2-PA	Nokomis	1	H63	Nokomis	1	
Cat 2-PA	Bryant	1	H2	Bryant	6	
Cat 2-PA	Eagle	1	H15	Eagle	2	
Cat 2-PA	Johanna	1	R9	Johanna	4	÷ ×
Cat 2-PA	Owasso	1	R21	Owasso	9	
Cat 3-PA	Clear	1	W8	Clear	3	
Cat 3-PA	Thole	1	S18	Thole	0	
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	1	
Cat 3-PA	Centerville	1	A2	Centerville	7	
Cat 3-PA	Forest	2	W12	North Side	4	=
			W13	East Side	13	
Cat 3-PA	Linwood	1	A15	Linwood	6	
Cat 3-PA	Marion	1	D19	Marion	6	
Cat 3-PA	Waconia	1	C29	Waconia	8	
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom	11	
Cat 3-PA	Green	1		Green	8	
Cat 3-PA	Comfort	1		Comfort	1	*

Flight Date: Wednesday, August 26, 2009 Flight Start Time: 1415; Flight End Time: 1600

Mostly Sunny, Wind N 15

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	1	2	0	1	1	1	0	2	4
Lower Prior	0	9	4	0	8	3	0	0	. 8	16
Upper Prior	0	10	2	0	2	1	2	0	2	15
Big Marine	0	1	20	0	3	0	1	0	6	19
White Bear	0	4	25	11	3	4	1	0	7	41
Josephine	0	0	2	0	1	0	1	0	0	4
Christmas	0	1	2	0	0	0	2	0	0	5
Turtle	0	0	4	0	0	1	0	0	1	4
Calhoun	0	0	2	0	0	0	5	2	4	5
Nokomis	0	0	1	0	0	0	3	1	0	5
Bryant	0	2	4	0	0	0	0	0	1	5
Eagle	0	0	6	0	0	0	0	0	2	4
Johanna	0	0	1	0	0	0	1	0	0	2
Owasso	0	2	4	0	. 0	0	1	0	1	6
Netta	0	0	1	0	0	0	0	0	0	1
Clear	0	1	3	0	0	1	0	0	2	3
Thole	0	0	1	0	0	0	2	0	0	3
Big Carnelian	0	2	7	0	0	0	0	0	2	7
Centerville	0	2	7	0	0	1	0	0	4	6
Forest	0	2	24	0	11	0	2	0	10	29
Linwood	0	0	2	0	0	0	0	0	0	2
Marion	0	3	3	0	1	0	0	0	2	5
Waconia	0	2	7	1	5	0	0	0	4	11
Sunrise	0	0	1	0	0	0	0	0	0	1
Chisago	0	1	8	0	3	0	0	0	2	10
South Lindstrom	0	0	5	0	2	0	0	0	1	6
Green	0	1	7	0	3	0	0	0	2	9
Comfort	0	0	4	0	2	0	0	0	0 -	- 6

Flight Date: Wednesday, August 26, 2009 Flight Start Time: 1415; Flight End Time: 1600

Mostly Sunny, Wind N 15

Trailer/Car i	# T10	0				
Category	<u>Lake Name</u>	Total	Site Code	Site Name	# Trailers/Car	Comments
		Accesses			Toppers/Pick-ups	
Cat 1	Minnewashta	1	C17	Minnewashta	5	
Cat 1	Lower Prior	1	S14	Lower/Sand Point	11	
Cat 1	Upper Prior	1	S15	Upper/Dewitt	6	
Cat 1	Big Marine	2	W4	South Side	4	
w .	•		W5	North Side	11	302 B
Cat 1	White Bear	2	R32	North Side	21	
,	2	-	R33	Northwest Side	9	
Cat 2-PA	Josephine	1	R10	Josephine	2	
Cat 2-PA	Christmas	1	H8	Christmas	1	
Cat 2-PA	Turtle	1	R29	Turtle	3	
Cat 2-PA	Calhoun	1	H5	Calhoun	1	
Cat 2-PA	Nokomis	1	H63	Nokomis	1	
Cat 2-PA	Bryant	1	H2	Bryant	5	
Cat 2-PA	Eagle	1	H15	Eagle	5	2
Cat 2-PA	Johanna	1	R9	Johanna	1	*
Cat 2-PA	Owasso	1	R21	Owasso	3	
Cat 3-PA	Clear	1	W8	Clear	4	<i>x</i>
Cat 3-PA	Thole	1	S18	Thole	1	e
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	7	
Cat 3-PA	Centerville	1	A2	Centerville	4	
Cat 3-PA	Forest	2	W12	North Side	11	
	×**		W13	East Side	9	
Cat 3-PA	Linwood	1	A15	Linwood	1	
Cat 3-PA	Marion	1	D19	Marion	6	
Cat 3-PA	Waconia	1	C29	Waconia	8	
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom	7	
Cat 3-PA	Green	1		Green	3	
Cat 3-PA	Comfort	1		Comfort	3	

Flight Date: Sunday, September 6, 2009 Flight Start Time: 1400; Flight End Time: 1535Mostly Sunny, Wind S 5

Boat Count Worksheet

Lake	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
Minnewashta	0	10	3	1	2	4	2	. 0	7	15
Lower Prior	0	58	5	1	40	6	0	0	23	87
Upper Prior	0	14	4	0	14	7	1	2	10	32
Big Marine	0	23	28	0	18	3	0	0	21	51
White Bear	0	40	16	25	42	2	3	0	19	109
Josephine	0	2	1	1	2	3	. 0	0	4	5
Christmas	0	13	3	0	3	0	0	5	4	20
Turtle	0	6	2	0	2	1	1	0	3	9
Calhoun	0	0	3	0	0	0	16	25	10	34
Nokomis	0	0	2	0	0	0	13	7	10	12
Bryant	0	3	3	0	0	0	1	2	1	8
Eagle	0	6	2	0	10	3	0	0	2	19
Johanna	0	4	1	1	1	0	1	0	4	4
Owasso	0	9	4	0	5	2	0	0	7	13
Netta	0	0	1	0	0	0	0	0	1	0
Clear	0	2	6	0	5	2	0	0	6	9
Thole	0	0	2	. 0	0	0	0	0	0	2
Big Carnelian	0	8	7	2	5	3	0	0	9	16
Centerville	0	7.	7	0	8	1	1	0	8	16
Forest	0	30	14	1	50	4	0	0	36	63
Linwood	0	4	5	0	6	1	0	0	6	10
Marion	0	9	9	2	8	4	1	0	11	22
Waconia	0	29	21	8	14	0	0	0	13	59
Sunrise	0	0	5	0	1	0	0	0	1	5
Chisago	0	8	12	1	11	0	0	0	5	27
South Lindstrom	0	3	5	0	8	2	0	0	5	13
Green	0	9	10	0	11	5	. 0	0	16	19
Comfort	0	3	3	0	2	1	0	0	2	7

Flight Date: Sunday, September 6, 2009 Flight Start Time: 1400; Flight End Time: 1535Mostly Sunny, Wind S 5

Category	Lake Name	Total	Site Code	Site Name	# Trailers/Car	Comments
Category	Lake Name	Accesses	One oode	Oite Name	Toppers/Pick-ups	<u>oomments</u>
Cat 1	Minnewashta	1	C17	Minnewashta	9	2
Cat 1	Lower Prior	1	S14	Lower/Sand Point	35	=
Cat 1	Upper Prior	1	S15	Upper/Dewitt	16	* .
Cat 1	Big Marine	2	W4	South Side	28	1
- Out 1	Dig Marine	_	W5	North Side	22	
Cat 1	White Bear	2	R32	North Side	29	
- Gut i	· · · · · · · · · · · · · · · · · · ·		R33	Northwest Side	20	
Cat 2-PA	Josephine	1	R10	Josephine	5	
Cat 2-PA	Christmas	1	H8	Christmas	6	
Cat 2-PA	Turtle	1	R29	Turtle	8	
Cat 2-PA	Calhoun	1	H5	Calhoun	3	
Cat 2-PA	Nokomis	1	H63	Nokomis	7	
Cat 2-PA	Bryant	1	H2	Bryant	5	
Cat 2-PA	Eagle	1	H15	Eagle	8	
Cat 2-PA	Johanna	1	R9	Johanna	7	
Cat 2-PA	Owasso	1	R21	Owasso	11	
Cat 3-PA	Clear	1	W8	Clear	11	8
Cat 3-PA	Thole	1	S18	Thole	2	=
Cat 3-PA	Big Carnelian	1	W3	Big Carnelian	9	
Cat 3-PA	Centerville	1	A2	Centerville	11	1 4
Cat 3-PA	Forest	2	W12	North Side	24	
igi.			W13	East Side	14	
Cat 3-PA	Linwood	1	A15	Linwood	9	
Cat 3-PA	Marion	1	D19	Marion	19	
Cat 3-PA	Waconia	1	C29	Waconia	30	
Cat 3-PA	Chisago, S Lindstom	1		Chisago, S Lindstrom	32	
Cat 3-PA	Green	1		Green	18	
Cat 3-PA	Comfort	1		Comfort	8 ~	

Attachment G: Lake Minnetonka Boat & Trailer Counts

Flight Date: Sunday, May 24, 2009 Flight Start Time: 1300; Flight End Time: 1500

Clear, Wind E 0-5

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds	0	15	6	5	4	0.	0	0	9	21
2 Priests	0	6	5	3	1	0	0	0	7	8
3 Cooks	7	15	3	1	6	2	0	0	14	20
4 West Upper	9	16	5	0	0	0	0	0	12	18
5 South Upper	1	6	7	0	4	0	0	0	7	11
6 Smith Town	0	3	6	0	1	0	0	0	3	7
7 Phelps	0	6	0	0	3	3	. 0	0	7	5
8 East Upper	2	12	5	0	1	. 0	0	0	14	6
9 Carmen's	0	5	0	0	3	0	0	0	5	3
10 Old Channel	1	15	4	0	1	0 .	0	0	17	4
11 Spring Park	4	15	2	1	7	0	0	0	18	11
12 Black	1	15	5	0	0	0	0	. 0	11	10
13 Emerald	0	2	2	0	5	0	0	0	1	8
14 Seton	0	1	4	0	0	0	0	0	0	5
15 Harrison's	2	11	6	0	6	0	0	0	16	9
16 Jennings	1	10	3	0	8	0	0	0	17	5
17 West Arm	1	12	2	0	3	. 0	0	0	12	6
18 Forest	1	12	3	0	4	3	0	0	9	14
19 Coffee Cove	: 1	24	6	0	6	0	0	0	8	29
20 West Crystal	2	7	3	0	. 0	0	0	0 .	4	8
21 East Crystal	1	10	1	0	3	0	0	0	8	7
22 North Arm	0	3	11	0	9	0	0	0	4	19
23 Stubbs	1	5	3	0	0	0	0	0	3	, 6
24 Maxwell	0	22	.4	0	0	4	0	0	8	22
25 Lafayette	2	15	8	0	7	0	0	0	11	21
26 Smiths	0	3	1	0	2	0	0	0	2	4
27 Tanager	0	2	3	0	3	0	0	0	4	4
28 Browns	2	6	8	0	2	. 0	0	0	10	8
29 Wayzata	1	21	4	0	11	2	0	0	20	19
30 Gray's	0	14	. 6	0	0	0	0	0	13	7
31 Libb's	1	0	2	0	0	0	0	0	0	3

Flight Date: Sunday, May 24, 2009 Flight Start Time: 1300; Flight End Time: 1500

Clear, Wind E 0-5

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
32 Robinson	0	5	1	0	0	0	0	0	2	4
33 St. Louis	0	16	3	0	0	0	0	0	13	6
34 Carson's	0	. 0	2	16	1	0	0	0	16	3
35 St. Alban's	0	8	6	0	2	3	0	0	7	12
36 Excelsior	1	15	0	1	8	3	0	0	12	16
37 Gideons	2	12	1	1	10	0	0	0	9	17
38 Echo	2	11	4	0	7	0	0	0	9	15
39 Big Island	1	7	0	0	2	0	0	0	1	9
40 Veteran's	0	15	5	0	3	1	0	0	2	22
41 Lower Lk S	0	36	20	19	7	0	0	0 .	60	22
42 Lower Lk N	0	15	16	56	5	2	0	0	70	24

Flight Date: Sunday, May 24, 2009 Flight Start Time: 1300; Flight End Time: 1500

Clear, Wind E 0-5

Lake Minnetonka Trailer/Toppers/Pickups Count Worksheet

<u>Lake Name</u>	Total Accesses	Site Code	Site Name	# Trailers/Car <u>Toppers/Pick-ups</u>	Comments
Minnetonka	10	H37	Spring Park	7	
26		(not on map)*	Wayzata	10	¥
=	-	H39	Halstead Bay	28	8
		. H41	North Arm	48	<i>Y</i>
		H42	Carson's Bay	13	
ş [†]		H43	Phelps Bay	4	
	*	H44	Cooks Bay	21	*4 *
		H45	Grays Bay	70	
/		H51	Maxwell Bay	52	
		H52	Lk Mtka Regional Park	60	

Flight Date: Saturday, June 6, 2009 Flight Start Time: 1400; Flight End Time: 1545Overcast, Light Rain, Wind ENE 10

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds	0	0	0	0	0	0	0	0	0	0
2 Priests	0	0	1	0	0	0	0	0	1	. 0
3 Cooks	0	0	1	. 0	0	0	0	0	0	1
4 West Upper	0	0	2	0	0	0	0	0	1	1
5 South Upper	0	0 .	1	0	0	0	0	0	1	0
6 Smith Town	1	0	1	0	0	0	0	0	2	0
7 Phelps	0	0.	1	0	0	0	0	0	0	1
8 East Upper	0	. 0	2	0	0	0	0	0	0	2
9 Carmen's	0	0	1	0	0	. 0	0	. 0	1	0
10 Old Channel	0	0	1	0	. 0	. 0	0	0	1	0
11 Spring Park	0	0	2	0	0	0	0	0	0	2
12 Black	0	0	0	0	0	0	0	0	0	0
13 Emerald	0	0	0	0	0	0	0	0	0	0
14 Seton	0	0	0	0	0	0	0	0	0	0
15 Harrison's	0	0	0	0	0	0	0	0	0	0
16 Jennings	1	0	1	0	0	0	0	0	1	1
17 West Arm	0	0	3	0	0	0	0	0	2	1
18 Forest	0	1	0	0	0	0	0	0	0	1
19 Coffee Cove	0	1	1	0	0	0	0	0	1	1
20 West Crystal	0	0	3	1	0	0	0	0	2	2
21 East Crystal	0	0	2	0	0	0	0	0	1	1
22 North Arm	0	2	3	0	0	0	0	0	3	2
23 Stubbs	0	0	1	0	0	0	0	0	0	1
24 Maxwell	0	0	2	1	0	0	0	0	1	2
25 Lafayette	1	0	1	0	0	0	0	0	1	1
26 Smiths	0	0	1	0	0	0	0	0	1	0
27 Tanager	0	0	0	0	0	0	0	0	. 0	0
28 Browns	1	0	2	0	0	0	0	0	1	2

Flight Date: Saturday, June 6, 2009 Flight Start Time: 1400; Flight End Time: 1545Overcast, Light Rain, Wind ENE 10

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
29 Wayzata	1 .	0	4	0	1	0	0	0	3	3
30 Gray's	0	0	1	0	0	0	0	0	1	0
31 Libb's	0	0	0	0	0	0	0	0	0	0
32 Robinson	0	0	1	1	0	0	0	0	0	2
33 St. Louis	0	0	0	0	0	0	0	0	0	0
34 Carson's	0	0	0	0	0	0	0	0	0	0
35 St. Alban's	0	0	0	0	. 0	0	0	0	0	0
36 Excelsior	1	0	1	0	0	0	0	0	1	1
37 Gideons	0	0	0	0	0	0	0	0	0	0
38 Echo	0 -	0	1	0	0	0	0	0	1	0
39 Big Island	0	0	2	0	0	0	0	0	1	1
40 Veteran's	0	0	1	0	. 0	0	0	0	0	1
41 Lower Lk S	2	0	5	0	0	0	0	1	2	6
42 Lower Lk N	0	1	4	13	0	0	0	0	12	6

Flight Date: Saturday, June 6, 2009 Flight Start Time: 1400; Flight End Time: 1545Overcast, Light Rain, Wind ENE 10

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

<u>Lake Name</u>	Total Accesses	Site Code	Site Name	# Trailers/Car <u>Toppers/Pick-ups</u>	Comments
Minnetonka	10	H37	Spring Park	4	
		(not on map)*	Wayzata	2	
gra-		H39	Halstead Bay	0	
A. J.		H41	North Arm	4	
7 / 1 / 1 / 1		H42	Carson's Bay	1 2 2 2	
		H43	Phelps Bay	2	
	- 2	H44	Cooks Bay	3	
	-,-	H45	Grays Bay	12	<u> </u>
	er	H51	Maxwell Bay	21	
	445	H52	Lk Mtka Regional Park	5	

Flight Date: Saturday, June 20, 2009 Flight Start Time: 1600; Flight End Time: 1700Clear, Wind W 5

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds	0	8	3	0	0	0	0	0	1	10
2 Priests	0	6	1	0	2	2	0	0	5	6
3 Cooks	. 0	. 15	1	0	2	2	0	0	4	16
4 West Upper	1	17	5	0	1	0	0	0	13	11
5 South Upper	0	8	1	0	1	0	0	0	5	5
6 Smith Town	0	16	0	0	4	0	0	0	. 9	11
7 Phelps	0	3	2	0	1	0	0	0	1	5
8 East Upper	0	19	3	0	3	0	0	0	14	11
9 Carmen's	0	4	4	0	1	0	0	0	1	8
10 Old Channel	1	4	3	0	0	0	0	0	1	7
11 Spring Park	0	33	0	0	2	0	0	0	12	23
12 Black	0	8	2	0	10	0	0	0	0	20
13 Emerald	0	7	0	0	4	0	0	0	0	11
14 Seton	0	2	2	0	2	0	0	0	0	6
15 Harrison's	. 0	5	1	0	7	0	0	0	5	8
16 Jennings	0	4	1	0	3	0	0	0	2	6
17 West Arm	0	15	2	0	12	0	0	0	14	15
18 Forest	0	3	4	0	7	0	0	0	0	14
19 Coffee Cove	0	15	3	0	5	0	0	0	3	20
20 West Crystal	0	13	3	0	0	0	0	0	8	8
21 East Crystal	0	18	4	0	5	0	0	0	14	13
22 North Arm	0	6	2	0	3	0	0	0	7	4
23 Stubbs	1	7	2	0	5	- 0	0	0	1	14
24 Maxwell	0	14	0	0	4	1	0	0	0	19
25 Lafayette	0	15	2	0	2	0	. 0	0	10	9
26 Smiths	0	4	0	0	5	0	0 .	0	2	7
27 Tanager	- 0	3	1	0	3	0	0	0 -	1	6
28 Browns	0	8	0	0	1	0	0	0	2	7
29 Wayzata	0 .	15	2	0	5	0	. 0	. 0	9	13

Flight Date: Saturday, June 20, 2009 Flight Start Time: 1600; Flight End Time: 1700Clear, Wind W 5

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
30 Gray's	. 0	3	5	. 0	1	0	0	0	2	7
31 Libb's	0	0	3	. 0	0	0	0	0	0	3
32 Robinson	2	12	3	0	7	0	0	0	1	23
33 St. Louis	0	13	0	0	2 .	0	0	0	7	8
34 Carson's	0	34	5	1	5	0	0	0	3	42
35 St. Alban's	0	8	2	0	4	0	0	0	6	8
36 Excelsior	1	12	1	0	6	0	. 0	0	7	13
37 Gideons	0	7	6	1	6	0	0	0	5	15
38 Echo	0	3	3	0	4	0	0	0	4	6
39 Big Island	0	5	3	0	2	0	0	0	0	10
40 Veteran's	1	13	2	0	3	0	0	0	0	19
41 Lower Lk S	0	24	0	2	8	0	0	0	19	15
42 Lower Lk N	0	225	12	4	22	5	0	0	17	251

Flight Date: Saturday, June 20, 2009 Flight Start Time: 1600; Flight End Time: 1700Clear, Wind W 5

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

<u>Lake Name</u>	Total Accesses	Site Code	Site Name	# Trailers/Car Toppers/Pick- ups	Comments
Minnetonka	10	H37	Spring Park	12	
	4,	(not on map)*	Wayzata	13	
		H39	Halstead Bay	29	
		H41	North Arm	53	34
		H42	Carson's Bay	14	
	N N	H43	Phelps Bay	7	-
		H44	Cooks Bay	9	
(4)		H45	Grays Bay	72	
		H51	Maxwell Bay	61	
		H52	Lk Mtka Regional Park	47	

Flight Date: Friday, July 3, 2009 Flight Start Time: 1500; Flight End Time: 1600Mostly Cloudy, Wind SE 4

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds	0	9	3	0	5	0	0	0	4	13
2 Priests	0	5	2	0	2	0	0	0	5	4
3 Cooks	0	12	4	0	5	1	0	0	9	13
4 West Upper	2	29	5	0	6	2	0	0	16	28
5 South Upper	1	38	8	0	12	6	0	0	19	46
6 Smith Town	0	9	1	0	4	0	0	0	6	8
7 Phelps	0	1	3	. 0	1	0	0	0	1	4
8 East Upper	. 0	15	4	.0	7	2	0	0	17	11
9 Carmen's	0	7	1.	0	2	0	0	0	1	9
10 Old Channel	1	5	1	0	2	0	0	0	2	7
11 Spring Park	0	26	0	0	3	3	0	0	3	29
12 Black	0	6	1	0	2	0	0	0	0	9
13 Emerald	0	2	1	0	4	0	0	0	0	7
14 Seton	0	8	3	0	3	0	0	0	0	14
15 Harrison's	0	10	6	0	6	1	0	0	8	15
16 Jennings	1	7	1	0	3	2	0	0	4	10
17 West Arm	2	8	8	0	0	0	0	0	9	. 9
18 Forest	0	7	4	.0	0	1	0	0	1	11
19 Coffee Cove	3	12	3	0	0	0	0	0	0	18
20 West Crystal	0	17	2	0	6	2	0	0	10	17
21 East Crystal	0	9	4	0	6	0	0	0	7	12
22 North Arm	3	7	2	0	1	1	0	0	4	10
23 Stubbs	0	12	0	0	0	3	0	0	0	15
24 Maxwell	1	25	3	0	4	1	0	0	8	26
25 Lafayette	1	15	2	0	3	4	0	0	7	18
26 Smiths	1	19	6	0	5	2	0	0	11	22
27 Tanager	0	4	1	0	1	0	0	0	1 1	5
28 Browns	0	9	0	0	3	0	0	0	4	8
29 Wayzata	0	24	7	2	9	2	0	0	18	26
30 Gray's	1	7	0	0	1	0	0	0	4	5

Flight Date: Friday, July 3, 2009 Flight Start Time: 1500; Flight End Time: 1600Mostly Cloudy, Wind SE 4

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
31 Libb's	. 0	1	2	0	0	0	2	0	0	5
32 Robinson	0	13	0	1	0	0	0	0	0	14
33 St. Louis	0	8	1	. 0	0	0	0	0	0	9
34 Carson's	2	12	3	2	5	0	0	0	0	24
35 St. Alban's	0	14	2	0	3	5	0	0	5	19
36 Excelsior	0	10	6	2	2	0	0	0	7	13
37 Gideons	0	10	6	0	5	1	0	0	9	13
38 Echo	0	7	0	0	1	2	0	0	0	10
39 Big Island	1	7	0	1	1	0	0	0	0	10
40 Veteran's	1	9	0	0	4	0	0	0	0	14
41 Lower Lk S	0	20	5	4	8	0	2	0	14	25
42 Lower Lk N	30	97	50	11	64	0	0	0	0	252

NOTE: Mgmt Area 42 Lower Lk N count includes 185 No Wake observations at Big Island Beach

Flight Date: Friday, July 3, 2009 Flight Start Time: 1500; Flight End Time: 1600Mostly Cloudy, Wind SE 4

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

Lake Name	Total Accesses	Site Code	Site Name	# Trailers/Car <u>Toppers/Pick-ups</u>	Comments
Minnetonka	10	H37	Spring Park	12	
10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	2 .	(not on map)*	Wayzata	15	
		H39	Halstead Bay	27	
8		H41	North Arm	44	
		H42	Carson's Bay	12	TER TO BY
		H43	Phelps Bay	4	
		H44	Cooks Bay	14	
		H45	Grays Bay	98	
		H51	Maxwell Bay	90	
		H52	Lk Mtka Regional Park	52	

Flight Date: Saturday, July 25, 2009 Flight Start Time: 1330; Flight End Time: 1530Mostly Cloudy, Wind NW 15

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds	0	2	0	0	0	0	0	0	1	1
2 Priests	0	4	0	0	0	0	0	0	2	2
3 Cooks	0	5	2	0	1	0	0	0	3	5
4 West Upper	1	2	3	0	2	2	0	0	3	7
5 South Upper	0	4	3	0	0	0	2	0	5	4
6 Smith Town	0	4	1	0	1	0	0	0	0	. 6
7 Phelps	0	0	3	1	0	0	0	0	0	4
8 East Upper	3	3	4	1	0	0	0	0	3	8
9 Carmen's	0	0	1	0	0	0	0	0	0	· 1
10 Old Channel	0	5	1	0	2	0	0	0	1	7
11 Spring Park	0	10	2	. 0	0	0	0	0	8	4
12 Black	0	6	0	0	. 0	0	0	0	0	6
13 Emerald	0	2	3	0	0	0	0	0	0	5
14 Seton	1	8	0	0	2	0	0	0	0	11
15 Harrison's	0	2	0	0	0	0	. 1	0	0	3
16 Jennings	0	1	1	0	0	0	0	0	1	1
17 West Arm	0	8	0	0	0	3	0	0	4	7
18 Forest	0	6	1	0	1	2	0	0	0	10
19 Coffee Cove	0	7	0	0	0	3	0	0	0	10
20 West Crystal	4	5	2	0	2	1	0	0	5	9
21 East Crystal	3	9	2	0	5	. 1	0	0	7	13
22 North Arm	0	6	0	0	0	0	2	0	6	2
23 Stubbs	1	2	1	0	0	0	0	0	3	1
24 Maxwell	0	4	4	0	1	0	0	0	4	5
25 Lafayette	2	12	3	0	6	4	0	0	7	20
26 Smiths	1	6	1	0	2	0	0	0	6	4
27 Tanager	0	. 0	1	0 =	0	0	0	0	0	1
28 Browns	0	3	5	0	2	0	0	0	3	7
29 Wayzata	1	13	4	1	2	0	0	0	10	11
30 Gray's	0	3	1	0	0	0	0	0	0	4

Flight Date: Saturday, July 25, 2009 Flight Start Time: 1330; Flight End Time: 1530Mostly Cloudy, Wind NW 15

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
31 Libb's	0 .	0	1	0	1 .	0	0	0	2	0
32 Robinson	0	1	0	0	0	0	0	0	. 0	1
33 St. Louis	0	2	0	8	1	0	0	0	0	11
34 Carson's	. 0	1	0	0	1	0	0	0	0	2
35 St. Alban's	0	3	2	0	1	0	0	0	1	5
36 Excelsior	0	7	1	0	2	0	0	0	8	2
37 Gideons	1	4	2	0	2	0	0	0	2	7
38 Echo	2	5	1	0	1	0	0	0	6	3
39 Big Island	2	5	0	0	0	0	0	0	0	7
40 Veteran's	2	6	1	0	3	0	0	0	0	12
41 Lower Lk S	2	13	1	4	0	0	0	0	13	7
42 Lower Lk N	7	86	4	25	5	0	0	0	30	97

Flight Date: Saturday, July 25, 2009 Flight Start Time: 1330; Flight End Time: 1530Mostly Cloudy, Wind NW 15

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

<u>Lake Name</u>	Total Accesses	Site Code	Site Name	# Trailers/Car Toppers/Pick- ups	Comments
Minnetonka	10	H37	Spring Park	8	
		(not on map)*	Wayzata	8	
		H39	Halstead Bay	2	
		H41	North Arm	15	* *
×		H42	Carson's Bay	3	
,		H43	Phelps Bay	1	
		H44	Cooks Bay	3	
20		H45	Grays Bay	40	
	*1	H51	Maxwell Bay	21	
. *		H52	Lk Mtka Regional Park	12	*

Flight Date: Saturday, August 8, 2009 Flight Start Time: 1400; Flight End Time: 1615Mostly Sunny, Wind S 15-20

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other*	Wake	No Wake
1 Halsteds	1	10	1	0	1	. 0	0	0	3	10
2 Priests	0	5	1	0	2	0	0	0	5	3
3 Cooks	1	8	1	0	2	0	0	0	6	6
4 West Upper	0	9	. 0	1	3	2	0	0	6	9
5 South Upper	0	25	4	0	6	0	0	0	7	28
6 Smith Town	2	3	1	0	0	0	0	0	1	5
7 Phelps	0	29	1	0	1	0	0	0	4	27
8 East Upper	0	12	2	5	. 2	1	0	2	11	13
9 Carmen's	1	0	2	0	0	0	0	0	0	3
10 Old Channel	1	3	1	0	0	0	. 0	0 .	2	3
11 Spring Park	0	7	1	0	0	.0	0	0	1	7
12 Black	0	4	0	0	0	0	0	0	0	4
13 Emerald	1	6	2	0	0	0	0	0	0	9 .
14 Seton	3	8	0	0	0	0	0	0	0	11
15 Harrison's	1	7	2	0	1	0	0	0	3	8
16 Jennings	1	8	1.0	0	0	2	0	0	4	8
17 West Arm	2	11	0	0	0	2	0	0	6	9
18 Forest	1	9	2	0	0	1	0	0	3	10
19 Coffee Cove	5	9	1	0	2	2	0	0	1	18
20 West Crystal	1	9	0	0	0	2	0	0	9	3
21 East Crystal	1	19	3	0	3	4	0	0	18	12
22 North Arm	0	5	2	0	2	4	0	0	4	9
23 Stubbs	0	9	2	0	2	3	0	0	4	12
24 Maxwell	1	14	5	0	2	3	0	0	5	20
25 Lafayette	4	5	1	0	2	0	0	0	8	4
26 Smiths	0	1	3	0	0	0	0	0	1	3
27 Tanager	0	3	0	0	0	0	0	0	0	3
28 Browns	2	2	0	0	0	0	0	0	1	3
29 Wayzata	2	18	5	2	4	0	0	0	14	17
30 Gray's	0	2	3	0	0	0	0	0	1	4

Flight Date: Saturday, August 8, 2009 Flight Start Time: 1400; Flight End Time: 1615Mostly Sunny, Wind S 15-20

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
31 Libb's	0	1	1	0	0	0	0	. 0	0	2
32 Robinson	3	5	3	0	1	0	0	0	0	12
33 St. Louis	1	2	1	0	0	0	0	0	1	3
34 Carson's	1	6	2	. 0	2	1	0	0	2	10
35 St. Alban's	2	6	2	0	1	0	0	0	6	5
36 Excelsior	1	9	3	0	0	1	0	0	8	6
37 Gideons	1	8	1	2	0	1	0	0	9	4
38 Echo	0	7	0	1	1	0	0	0	7	2
39 Big Island	1	3	0	0	2	2	0	0	2	6
40 Veteran's	3	3	1	0	0	2	0	0	2	-7
41 Lower Lk S	5	12	5	6	5	0	0	0	23	10
42 Lower Lk N	22	133	27	22	50	. 0	0	0	21	233

NOTE: Mgmt Area 42 Lower Lk N count includes 195 No Wake observations at Big Island Beach

Flight Date: Saturday, August 8, 2009 Flight Start Time: 1400; Flight End Time: 1615Mostly Sunny, Wind S 15-20

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

<u>Lake Name</u>	Total Accesses	Site Code	Site Name	# Trailers/Car Toppers/Pick- ups	Comments
Minnetonka	10	H37	Spring Park	10	
		(not on map)*	Wayzata	11	
	4.5°	H39	Halstead Bay	15	
	1 .	H41	North Arm	17	
		H42	Carson's Bay	12	1.1
		H43	Phelps Bay	3	
1 20 1 100,	F F	H44	Cooks Bay	13	X
	- 1	H45	Grays Bay	119	
	-	H51	Maxwell Bay	51	
		H52	Lk Mtka Regional Park	14	

Flight Date: Saturday, August 29, 2009 Flight Start Time: 1415; Flight End Time: 1645Mostly Sunny, Wind N 15-20

Lake Minnetonka Worksheet

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds	1	1	1	0	0	0	0	0	1	2
2 Priests	0	1	0	0	0	0	0	0	1	0
3 Cooks	0	2	3	0	2	0	0	. 0	3	4
4 West Upper	1	3	6	6	0	0	0	0	7	9
5 South Upper	1	2	. 5	0	0	1	0	0	5	4
6 Smith Town	0	0	1	0	0	0	0	0	0	1
7 Phelps	1	2	5	0	0	0	0	0	2	6
8 East Upper	3	3	1	0	0	0	0	0	4	3
9 Carmen's	0	1	0	0	0	0	0	0	0	1
10 Old Channel	0	0	1	0	2	0	0	0	2	1
11 Spring Park	0	2	0	0	0	1	0	0	3	0
12 Black	1	0	0	0	0	0	0	0	0	1
13 Emerald	0	1	0	0	0	0	0	0	1	0
14 Seton	0	3	0	0	0	0	0	0	0	3
15 Harrison's	0	5	1	0	0	0	0	0	4	2
16 Jennings	0	0	1	0	0	0	0	0	0	1
17 West Arm	0	1	3	1	1	0	0	0	0	6
18 Forest	0	1	0	0	1	0	0	0	1	1
19 Coffee Cove	0	2	2	0	1	0	0	0	5	0
20 West Crystal	0	2	1	0	1	0	0	0	. 1	3
21 East Crystal	0.	1	4	4	0	0	0	0	2	7
22 North Arm	0	0	5	0	0	0	0	0	1	4
23 Stubbs	0	0	0	0	0	0	0	0	0	0
24 Maxwell	0	2	2	0	0	0	0	0	2	2
25 Lafayette	4	3	3	0	2	0	0	0	8	4
26 Smiths	0	2	0	0	0	0	0	0	0	2
27 Tanager	0	1	0	0	0 .	0	0	0	0	1
28 Browns	1	1	1	0	0	0	0	0	0	3
29 Wayzata	2	4	5	1	1	2	0	0	11	4

Flight Date: Saturday, August 29, 2009 Flight Start Time: 1415; Flight End Time: 1645Mostly Sunny, Wind N 15-20

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
30 Gray's	0	1	0	0	0	0	0	0	0	1
31 Libb's	0	2	0	0	0	0	0	0	0	2
32 Robinson	1	0	0	0	0	0	0	0	0	1
33 St. Louis	0	0	1	2	0	0	0	0	0	3
34 Carson's	0	2	2	0	0	0	0	0	0	4
35 St. Alban's	2	2	2	0	2	0	0	0	3	5
36 Excelsior	1	2	1	0	. 0	0	0	0	3	1
37 Gideons	0	0	2	3	0	0	0	0	2	3
38 Echo	1	3	0	.0	0	. 0	0	0	4	0
39 Big Island	0	1	1	0	2	0	0	0	0	4
40 Veteran's	0	1	2	1	1	0	0	0	0	5
41 Lower Lk S	3	6	3	8	2	0	0	0	13	9
42 Lower Lk N	0	10	5	7	4	0	0	1	16	11

Flight Date: Saturday, August 29, 2009 Flight Start Time: 1415; Flight End Time: 1645Mostly Sunny, Wind N 15-20

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

<u>Lake Name</u>	<u>Total</u>	Site Code	Site Name	# Trailers/Car Toppers/Pick-	Comments
	Accesses			<u>ups</u>	
Minnetonka	10	H37	Spring Park	3	
		(not on map)*	Wayzata	4	
,	3	H39	Halstead Bay	4	
		H41	North Arm	10	
		H42	Carson's Bay	0	
		H43	Phelps Bay	2	A
	*	H44	Cooks Bay	5	
¥		H45	Grays Bay	19	
		H51	Maxwell Bay	8	
		H52	Lk Mtka Regional Park	4	

Flight Date: Saturday, September 5, 2009 Flight Start Time: 1400; Flight End Time: 1610

Lake Minnetonka Worksheet

Mostly Sunny, Wind S 7

Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
1 Halsteds	1	10	2	0	2	2	0	0	8	9
2 Priests	1	2	2	0	0	1	0	0	3	3
3 Cooks	2	14	0	0	3	0	0	0	10	9
4 West Upper	5	43	4	0	4	0	0	0	10	46
5 South Upper	1	15	0	0	7	0	0	0	12	11
6 Smith Town	1	10	5	0	3	2	0	0	6	15
7 Phelps	1	19	0	0	2	1	0	0 .	6	17
8 East Upper	2	11	4	9	6	2	0	. 0	20	14
9 Carmen's	0	4	1	0	. 2	0	0	0	0	7
10 Old Channel	4	6	1	0	0 -	0	0	0	4	7
11 Spring Park	2	8	0	0	0	0	0	0 .	7	3
12 Black	2	7	0	0	0	0	0	0	0	9
13 Emerald	2	2	0	. 0	0	0	0	0	0	4
14 Seton	1	6	1	0	0	0	0	0	0	8
15 Harrison's	1	4	2	0	1	0	0	0	3	5
16 Jennings	1	0	0	0	0	0	0	0	0	1
17 West Arm	2	16	3	0	12	2	0	0	22	13
18 Forest	0	9	3	0	5	2	0	0	6	13
19 Coffee Cove	3	9	2	0	4	2	0	0	0	20
20 West Crystal	1	6	5	0	6	0	0	0	7	11
21 East Crystal	3	16	3	0	4	16	0	0	12	30
22 North Arm	0	8	4	0	1	2	0	0	3	12
23 Stubbs	1	8	5	0	5	2	0	0	5	16
24 Maxwell	5	22	0	0	8	1	0	0	10	26
25 Lafayette	2	11	3	0	10	0	0	0	15	11
26 Smiths	0	3	0	0	0	0	0	0	0	3
27 Tanager	1	2	2	0	0	1	0	0	1	5
28 Browns	1	5	0	0	0	0	0	0	1	5
29 Wayzata	6	13	0	3	4	1	0	0	16	11
30 Gray's	1	4	0	2	0	0	0	0	3	4
31 Libb's	0	1	2	0	1	0	0	0	1	3
32 Robinson	3	9	0	0	2	0	0	0	1	13
33 St. Louis	1	5	0	0	5	1	. 0	0	9	3

Flight Date: Saturday, September 5, 2009 Flight Start Time: 1400; Flight End Time: 1610

Mostly Sunny, Wind S 7

,	7,									
Mgmt Area	Cruiser	Runabout	Fishing	Sailboat	Pontoon	Jetski	Canoe	Other	Wake	No Wake
34 Carson's	7	10	0	0	1	0	0	0	2	16
35 St. Alban's	0	11	0	0	4	2	0	0	4	13
36 Excelsior	2	6	2	0	4	0	0	0	14	0
37 Gideons	2	11	.1	. 1	4	0	0	5	12	12
38 Echo	2	7	0	0	0	0	0	0	7	2
39 Big Island	1	5	0	0	0	1	0	0	2	5
40 Veteran's	1	10	0	3	0	0	0	0	1	13
41 Lower Lk S	3	12	7	8	9	5	0	0	27	17
42 Lower Lk N	15	195	19	13	105	8	0	0	33	322

Flight Date: Saturday, September 5, 2009 Flight Start Time: 1400; Flight End Time: 1610

Mostly Sunny, Wind S 7

Lake Minnetonka Trailer/Car Toppers/Pickups Count Worksheet

<u>Lake Name</u>	Total Accesses	Site Code	Site Name	# Trailers/Car Toppers/Pick- ups	Comments
Minnetonka	10	H37	Spring Park	10	
		(not on map)*	Wayzata	9	
		H39	Halstead Bay	25	
		H41	North Arm	28	je:
		H42	Carson's Bay	10	*
		H43	Phelps Bay	6	1 -
		H44	Cooks Bay	10	
) + · · ·	Kan in in it years a	H45	Grays Bay	123	
		H51	Maxwell Bay	81	
		H52	Lk Mtka Regional Park	31	

Attachment H: Lakeshore Residents Survey Results

Q#	Question	401110 04	ivey itee	4110	Resp	onses	Results
1	Do you own property with lake	frontage or	lake access	s rights in A		Yes	97.9%
	Carver, Chisago, Dakota, Henr	nepin, Rams	sey, Scott, c	or Washingt	on Cty?	No	2.1%
2	Is this property your permanen	t home?		4	Yes		91.5%
					No		8.5%
3	How many years have you bee	en boating o	n this lake t	hat fronts	0-5 years		13.0%
	your property?				6-10 years	s ·	17.5%
				N.	11-20 yea	rs	27.8%
					21-40 yea	rs	29.7%
					Over 40 y	ears	11.9%
4	When was the last time you us	ed a boat o	n this lake?		Before 1/1	1/09	14.7%
	*				1/1/08-6/3	80/09	10.4%
					7/1/08-7/3	31/09	42.6%
					After 8/1/0)9	32.4%
5	Did you yourself operate the bo	oat for any	of the time of	n that	Yes	W.	84.7%
	day?						
6-1	Including you, how many adult	s, teens, an	d children v	vere in your	boat on	0	45.2%
	this trip? Adults 55 or older					1-2	45.2%
						3-5	8.5%
						6 or over	1.2%
6-2	Including you, how many adult	s, teens, an	d children v	vere in your	boat on	0 .	76.2%
	this trip? Adults 18 to 54					1-2	16.8%
				,		3-5	6.4%
						6 or over	0.6%
6-3	Including you, how many adult	s, teens, an	d children v	vere in your	boat on	0	92.7%
	this trip? Teens (12 to 17)					1-2	6.4%
						3-5	0.9%
				×		6 or over	0.6%
6-4	Including you, how many adult	s, teens, an	d children v	vere in your	boat on	0 .	86.6%
	this trip? Children (11 or your	nger)				1-2	9.4%
			,			3-5	3.9%
						6 or over	0.1%
6a	What is the age of the primary	boat opera	tor in years'	?		< 18	0.7%
						18-40	. 10.5%
						41-54	36.0%
					9	> 55	52.8%
7	What time did you leave from	shore on thi	s trip?		Before 8 a	am	7.9%
					8 am – 1	pm .	38.0%
					1 pm – 5	pm	36.0%
		y			5 pm – 7	pm	15.4%
		, v.			After 7 pn	n	2.8%
8	How many hours did you boat	on this trip?			1 hour or	less	38.3%
					1-2 hours		36.0%
					2-4 hours		21.1%
	9				Over 4 ho	ours	4.6%

9	What was your group's primary activity on the lake on this trip?	Fishing	14.0%
-		Swimming	5.0%
		Sailing	2.6%
,		Jet skiing	1.4%
		Boat ride	35.8%
		Water skiing	3.5%
7		Transport to/from	0.9%
		Canoeing/kayaking	0.8%
- 17		Other	4.9%
10	What type of boat did you use on this trip?	Cruiser	0.3%
		Runabout	32.6%
- 22 5		Fishing	7.6%
		Jetski	1.9%
		Pontoon	46.6%
		Canoe/Kayak	1.6%
		Sailboat	2.3%
		Other	4.7%
11	What is the length of that boat?	Less than 16 ft	19.6%
		17-20 feet	44.1%
		21-24 feet	31.8%
-		25-30 feet	4.3%
		Over 30 feet	0.2%
12a	What type(s) of motor(s) does that boat have?	Gas	85.3%
	, , , , , , , , , , , , , , , , , , , ,	Electric	0.9%
		Both	5.1%
		No motor	7.3%
		Don't know	1.4%
12b	Gas horsepower	25 hp or less	12.3%
-		26-50 hp	28.6%
× 1,		51-100 hp	18.7%
1		101-150 hp	17.3%
**	The state of the s	151-200 hp	7.4%
T = 7		Over 200 hp	15.7%
13	Which of the following beverages did you have with you on the	Soft drinks	44.7%
14 (1)	boat on this trip?	Coffee/tea/water	31.0%
		Other nonalcoholic	4.6%
		Beer	19.5%
		Wine	6.1%
		Other alcoholic	4.0%
		No Beverages	28.3%
		Refuse to answer	0.3%
		Don't know/not sure	1.2%

14	Below are experiences you mig attaining each experience on the		ing this boa	aung inp. m	ow important to you was	· ·
		·		\$	50 K	
	Experience	not important	slightly important	moderately important	very important	don't know
	1. relax	2.5%	3.2%	18.2%	76.2%	0.0%
	enjoy smells and sounds of nature	8.2%	12.8%	32.2%	43.2%	3.7%
	3. explore and discover new things	22.2%	27.2%	28.0%	15.8%	6.8%
	4. enjoy different experiences from home	15.3%	17.7%	33.2%	23.8%	10.0%
,	5. spend leisure time with family/friends	3.8%	3.5%	15.2%	74.3%	3.2%
	6. get/keep physically fit	34.0%	23.5%	20.2%	14.2%	8.2%
	7. experience a sense of adventure	25.2%	26.5%	25.0%	16.0%	7.3%
	8. catch some fish	55.7%	10.3%	13.3%	13.8%	6.8%
	9. enjoy natural scenery	5.5%	11.3%	29.3%	49.7%	4.29
	10. get away from crowds	13.7%	14.7%	30.5%	34.5%	6.7%
	11. experience silence and quiet	17.5%	22.2%	26.2%	25.2%	9.0%
	12. get a chance to use or test my equipment	40.0%	22.5%	18.8%	9.5%	9.2%
	13. experience solitude	32.0%	20.8%	24.2%	14.5%	8.5%
15	Overall, how satisfied or dissat	isfied were	you with yo	ur boating	Very satisfied	43.5%
	experience on this trip?				Satisfied	38.3%
		. ,			Dissatisfied	6.3%
					Very dissatisfied	3.3%
		,		X	Don't know/not sure	8.6%
16	What was the main reason(s)	ou were so	satisfied or	_	Did not describe	99.3%
	dissatisfied?				Describe	0.79
17	While you were on the lake on	this trip, dic	you see ar	1	Yes	13.9%
*	enforcement officer?		•		No	73.29
					Don't know/not sure	13.09
18	Were you checked by an enfor	cement office	cer on this t	rip?	Yes	0.39
	1				No	99.7%
18a	How would you rate the officer	's professio	nal conduct	during	Excellent	6.19
	this check?			Ü	Good	9.19
	2	.,			Fair	3.09
				2	Poor	0.09
					Very poor	0.09
					Don't know	81.89
19	On this trip, did you travel thro	ugh anv par	ts of the lak	e where	Yes	15.49
	you thought there were too ma				No	74.19
					Don't know/not sure	10.6%

20	How does the number of boats				Substantia	ally fewer	16.1%
1 12	compare to the number of boats	s you have	seen on oth	ner trips	Slightly me	ore	8.9%
4	on this same part of the lake?				Don't know	w/not sure	3.3%
		* * * * ·	2		Slightly fe	wer	16.7%
	*		2	* ·	Substantia	ally more	9.4%
		w k otto		.1		pated here	45.6%
			30,19 00		About the	same	16.7%
21	Would you boat again if you kn	ew there we	ere going to	be about	Yes		84.4%
	the same number of boats as o		10,01		No		2.4%
95			0.052		Don't know	w/not sure	13.3%
22	Based on your experience on the lake?	much of a	problem is			this	
	Item	not a problem	slight problem	moderate problem	serious problem	very serious problem	don't know
is .	careless or inconsiderate operation of boats	49.3%	26.5%	15.3%	5.0%	2.8%	1.0%
	2. boat operators who have been drinking too much	60.0%	15.5%	6.7%	1.7%	1.0%	15.2%
,	3. the amount of noise from boats on the lake	50.3%	25.2%	17.0%	5.0%	1.5%	1.0%
ŭ, i	4. near miss or collision	77.5%	11.0%	5.2%	1.3%	1.3%	3.7%
	5. high wakes	58.2%	19.2%	15.0%	3.5%	2.2%	2.0%
4.7	6. use of personal watercraft (jet skis)	47.0%	23.2%	18.0%	5.7%	4.3%	1.8%
	7. large boats (boats over 24 feet)	81.5%	7.3%	5.0%	0.8%	0.8%	4.5%
	8. boats operating too fast, too close to shore/docks	55.8%	22.0%	11.2%	5.7%	3.2%	2.2%
	9. boats not yielding the right-of-						
	way	58.3%	23.5%	9.2%	3.7%	1.8%	3.5%
	10. number of boats on the lake	55.2%	22.0%	14.8%	3.7%	2.5%	1.89
	11. excessive speed in channels and crowded areas	66.2%	16.5%	7.2%	4.2%	1.8%	4.2%
	12. excessive speed in open water	66.5%	17.0%	9.0%	3.2%	2.0%	2.3%
	13. fishing tournament activities on the water	84.0%	4.5%	2.3%	1.0%	1.2%	7.09
23	What special boating restriction there for this lake?	is are	None	and size : -	atriation -		31.39
10	uicie ioi uiis iake!			and size re	Strictions	11.7	1.99
	1.6.0.1.3321	× ×	Time rest				15.99
		15		w/not sure		and the Mean	20.49
	i k			er restrictio			2.19
y .	s at the state of the			strictions/qu			35.39
				ke restrictio	ns	VI -	10.99
	3		Other				6.3°
24	Overall, how do these restriction	ons affect	Add to enjoyment			28.79	
	your enjoyment of the lake?		Detract from enjoyment				6.49
	Dought and		Neutral w	ith respect t	to enjoymer	nt	64.9°

25	Overall, do you think special b	ooting	Too restric	otivo			4.3%
25	restrictions on this lake are:	oating	About righ				58.6%
	Teetherene en the lake are.	T		tive enough	,		
		-	Don't know		!		13.3%
00	VA/In at an anial In action	None	Don t know	N		á.	23.7%
26	What special boating restrictions are needed for	None		- Auto-Mona		,	29.2%
	this lake?		e and size re	strictions			7.7%
	this lake:		strictions				9.2%
			ow/not sure		t £t. /:	-4 -1-1-1	7.0%
			restrictions fo	•	watercraft (J	et skis)	23.4%
			ower restrictio				6.6%
		Speed r	22.2%				
		Area of		5.1%			
		Other	9.5%				
27	Have you taken a formal cour	se in boati	ng safety?		Yes		26.1%
					No		62.1%
						w/not sure	11.8%
28	Should all motorboat operator	s be requi	red to comple	te a	Yes		36.2%
	boating safety course?				No		32.3%
						w/not sure	31.4%
29a	In the last 12 months, did you	hear a bo	ating safety		Yes		28.6%
	advertisement on the radio?	No					50.1%
				×	Don't kno	W	21.3%
29b	In the last 12 months, did you	see a boa	iting safety		Yes		30.8%
	advertisement on television?				No	C 1	47.7%
					Don't kno	W	21.5%
30	In the past 12 months, how m		did you use	zero			36.9%
	a free public access on this la	ke?		1-2	,		41.5%
				3-5		90	15.6%
				6-10			5.1%
				over 10			0.8%
31	In the last 12 months, how ma			free public	access to	zero	47.8%
	launch a boat onto a Minneso	ta lake or	river?			1-2	30.8%
					'	3-5	11.5%
						6-10	6.8%
						over 10	3.1%
32	Do you know of a lake(s) with			hat needs	Yes		3.4%
	an additional (or initial) public	boat acce	ss?		No		53.5%
					Don't kno	w/not sure	43.1%
33	Do you think an additional (or	initial) pub	olic boat acce	ss is	Yes		4.5%
	needed on this lake?	, ,			No		79.9%
		Don't know/not sure					15.6%
34	How many other lakes do you	boat on w	vithin about 50	miles of th		zero	72.7%
	1					1-2	19.5%
					×	3-5	5.2%
			×			6-10	1.7%
		1				over 10	0.8%
<u> </u>							3.070

34a	How do you gain access to these lakes?	1917	62.1%			
	, , , , , , , , , , , , , , , , , , , ,	my home	access lau or cabin		T	14.9%
				-way-unimp	roved site	1.5%
			elative's hor			18.4%
		200 4 4 0 0 0 0 0 0	STATES OF THE PROPERTY.	ate launch s	ite	14.9%
- 1		other or no				9.2%
35	How important to you are each of the follo access?	100000000000000000000000000000000000000		oat		
	Item	not important	slightly important	moderately important	very important	don't know
	dock to aid launching/landing	12.4%	8.2%	16.2%	48.7%	3.0%
	2. toilets	26.4%	17.3%	19.1%	21.8%	3.3%
	map of the lake showing depth, hazards	18.8%	14.5%	24.3%	26.7%	3.1%
	map of lake showing boating restrictions	12.5%	6.9%	23.7%	40.8%	2.8%
	5. emergency information	19.1%	18.3%	24.0%	22.5%	3.3%
	6. paved parking lot (as opposed to gravel)	30.8%	20.1%	18.3%	14.6%	3.1%
	7. fishing information for this lake	33.5%	20.4%	17.6%	11.9%	3.3%
	8. description of natural history of this lake	37.6%	25.8%	12.8%	7.3%	3.3%
	9. information on where to buy gas & other boating supplies	41.6%	20.4%	14.9%	6.9%	3.4%
36	In the last 12 months, about how many tir		move your	boat(s)	0	82.1%
	between this lake and another body of wa	ater?			1-2	11.2%
		, i			3-5	4.3%
	A Company of the Comp				over 5	2.4%
36a	When you launched your boat(s) back into this lake, where did you do the launching?	launched or cabin o	20.4%			
		launched this lake	site on	73.4%		
		launched on this lak		marina or p	rivate site	8.7%
			elsewhere		, ,	4.3%
37	What type of radio station do you primaril	y listen to?		Classical		6.6%
				Easy liste	ning/lite	18.0%
			-,	Sports		7.3%
				Country		11.8%
		À		Jazz		2.5%
		· · · ·		Rock & ro	ll	22.8%
		e j		Talk		19.1%
				Public rac		16.4%
~				Religious	radio	5.5%
				Other	- v	5.7%

38	Have you ever obtained boating-rel		om the	Yes	44.7%	
	Minnesota DNR web page (www.dr	nr.state.mn.us)		No	44.6%	
				Don't know/not sure	10.7%	
39		Which category best describes your total household income				
	before taxes last year?		\$20,000-\$29,999°	1.8%		
				\$30,000-\$39,999	2.7%	
,				\$40,000-\$49,999	3.7%	
				\$50,000-\$74,999	8.6%	
				\$75,000-\$99,999	11.3%	
		*		\$100,000 or more	42.6%	
				Refuse to answer	25.8%	
				Don't know/not sure	2.1%	

Attachment I: Public Access Survey Results

Q#	Question	onses	Results			
1	How many years have you been be	oating on this lake	?	0-5 years		50.5%
	Market and the second			6-10 year	S	16.5%
151	10.5 %			11-20 yea	ars	17.1%
18.00	The state of the s	5 7,000	a the first	21-40 yea	ars	13.7%
P. Barry	4 42 25		-	Over 40 y	ears	2.1%
2	How far is your permanent home for	rom this lake?		less than	10 miles	54.3%
61	\$1.5 \ \$1.5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			11-25 mil	es	30.4%
7.50	1.000		THEY IN THE	26-100 m	iles	14.4%
	4 (3.29 - 4)			over 100	miles	0.9%
2a	What is the zip code of your perma	anent home?		zip = 55X	XX	98.1%
	1 100 000			zip = 56X		1.1%
1-5	10.016	•		zip = othe		0.8%
3	Do you have a home or residence	on this lake?		Yes		2.0%
	a. Jan. Course of		1	No		98.0%
4	Where did you launch your boat or	n this trip?	here at this		cess	97.3%
	January 2 and January 2 and Jour 51	- mare surjet	private acc	-		1.1%
11	5,-1		another pu			0.3%
	NE DID		resort/priva			0.0%
			other	to campy	Tourid	1.4%
5	Where did you park?		in lot at this	nublic ac	ress.	85.2%
	vinere dia you park:					0.2%
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		street	sort or campground		
	Taring and the second s		at my home	a '		10.1% 1.4%
			another lot			1.4%
			friend's hor	no	-	1.1%
		* ;	other	iic .		0.9%
6a-1	Including you, how many adults, te	one and children		noat on	0	
Ua-1	this trip? Adults 55 or older	ens, and children	were in your	ooat on	1-2	73.1%
	tine tip. Thanks of or order				3-5	26.0%
			157 × 42.1- 1	7 72 7	6 or over	0.9%
6a-2	Including you, how many adults, to	one and shildren	wore in your	hoot on	0	0.0%
0a-2	this trip? Adults 18 to 54	eens, and children	were in your	boat on		18.9%
	tills tilp: Addits 10 to 54	*			1-2 3-5	66.6%
						13.1%
60.2	Including you have many adults to	none and shildren	wore is very	hoot	6 or over	1.4%
6a-3	Including you, how many adults, to this trip? Teens (12 to 17)	eens, and children	were in your	boat on	0	81.7%
-	una unp: 166/15 (12 to 17)				1-2	16.1%
					3-5	2.3%
0 1	Lead of the second seco		1		6 or over	0.0%
6a-4	Including you, how many adults, to		were in your	boat on	0	74.4%
1 1 Y	this trip? Children (11 or younger)			1-2	20.9%
					3-5	4.4%
					6 or over	0.3%
6a	What is the age of the primary boa	at operator in years	s?		< 18	1.4%
			*	x 1	18-40	32.2%
				,	41-54	43.9%
					> 55	22.5%

7	What time did you leave from shore on this	trip?		Before 8 am	14.2%
			·	8 am – 1 pm	50.2%
				1 pm – 5 pm	28.0%
				5 pm – 7 pm	6.5%
8				After 7 pm	1.1%
8	How many hours did you boat on that day?			1 hour or less	2.9%
			X	1-2 hours	12.2%
				2-4 hours	43.6%
				Over 4 hours	41.3%
9	What was your group's primary activity on t	he lake on	that day?	Fishing	54.3%
	1		*	Swimming	2.9%
		,		Sailing	3.6%
				Jet skiing	1.1%
				Boat ride	14.6%
				Water skiing	15.2%
				Transport to/from	3.9%
				Canoeing/kayaking	4.5%
				Other	3.6%
10	What type of boat did you use on that day?			Cruiser	0.8%
8				Runabout	43.5%
				Fishing	38.0%
				Jetski	1.5%
v				Pontoon	2.0%
				Canoe/Kayak	0.2%
				Sailboat	3.3%
				Other	6.8%
11	What is the length of that boat?			Less than 16 ft	41.9%
	3			17-20 feet	51.1%
				21-24 feet	6.5%
	,			25-30 feet	0.5%
				Over 30 feet	0.0%
12a	What type(s) of motor(s) does that boat have	/e?		Gas	54.9%
				Electric	0.8%
				Both	33.7%
				No motor	8.0%
				Don't know	2.7%
12b	Gas horsepower			25 hp or less	17.8%
				26-50 hp	14.8%
				51-100 hp	21.7%
,				101-150 hp	27.8%
i.				151-200 hp	8.7%
				1.01.200.110	0.770

13	Which of the following beverages did yo	u have with yo	u on the	Soft drinks	67.4%	
	boat on that day?		5 6	Coffee/tea	/water	58.5%
				Other nona	alcoholic	10.7%
6			V (0.00)	Beer	155	22.3%
		1 7 6		Wine		1.19
	0 - 9 - 9		10.1	Other alco	holic	3.5%
7.4				No Bevera		8.6%
				Refuse to		0.3%
	Capital Control Control			Don't know		0.6%
14	Below are experiences you might have of was attaining each experience on this tr		ating trip. H			u
	Item	not important	slightly important	moderately important	very important	don't know
	1. Relax	2.0%	6.2%	23.0%	68.3%	0.59
	2. Enjoy smells & sounds of nature	8.7%	18.3%	33.9%	37.3%	1.89
	3. Explore & discover new things	19.2%	26.5%	32.3%	19.2%	2.99
X .	Enjoy different experiences from home	11.4%	16.3%	36.7%	31.8%	3.89
0.	5. Spend leisure time with family & friends	6.4%	5.5%	18.4%	68.0%	1.79
	6. Get/keep physically fit	30.4%	26.8%	26.3%	13.7%	2.79
	7. Experience a sense of adventure	15.4%	25.4%	36.1%	19.8%	3.39
	8. Catch some fish	27.1%	8.1%	19.8%	44.0%	1.19
6	9. Enjoy natural scenery	5.0%	14.2%	38.1%	41.1%	1.79
	10. Get away from crowds	8.4%	17.0%	32.0%	41.2%	1.49
.*	11. Experience silence & quiet	14.9%	25.9%	31.4%	25.7%	2.19
	12. Get a chance to use or test my equipment	21.2%	20.5%	31.7%	22.8%	3.8
	13. Experience solitude	26.6%	24.8%	29.7%	16.6%	2.3
15	Overall, how satisfied or dissatisfied we			Very satis		36.3
	experience on that day?		•	Satisfied		53.2
				Dissatisfie	ed	6.2
				Very dissa		4.2
					w/not sure	0.2
16	What was the main reason(s) you were	so satisfied or		Did not de		99.8
	dissatisfied?	CO CALIONICA OI		Describe		0.2
17	While you were on the lake on this trip,	did you see a	1	Yes	7 = 6	24.5
17	enforcement officer?	ala you see al		No Yes		
	S		· V		w/not sure	72.1 3.3
18	Word you shooked by an antonograph	officer on that	day2		writor sure	
10	Were you checked by an enforcement of	on that	udy?	Yes		2.4
10-	Have well as a set of the set of		4	No	5	97.6
18a	How would you rate the officer's profess	sional conduct	auring	Excellent	and the state of t	24.1
	this check?			Good		18.5
				Fair		0.0
		3.00	*	Poor		0.0
				Very poor		0.0
				Don't know	W	57.4

19	On this trip, did you travel through any parts of the lake where Yes					19.1%	
	you thought there were too ma				No		78.6%
				E.	Don't know	v/not sure	2.3%
20	How does the number of boats	vou encou	ntered on th	is last	Substantia	ally fewer	14.4%
	boating trip compare to the nur				Slightly mo		13.4%
	other trips on this same part of		,		Don't knov		3.5%
			ë		Slightly fe		17.0%
		*			Substantia		8.5%
		-,		*	Haven't bo	-	6.7%
					About the		
-04	Marilal ways book again if you law	41				Samo	36.6%
21	Would you boat again if you kr the same number of boats as o				Yes		90.6%
	the same number of boats as t	Tour last	boating trip	<u>, </u>	No		4.4%
	<u> </u>				Don't knov		5.0%
22	Based on your experience on y following on this lake?	our last bo	ating trip, ho	ow much of	a problem i	s each of th	е
	Item	not a	slight	moderate	serious	very serious	don't
		problem	problem	problem	problem	problem	know
	careless or inconsiderate operation of boats	F7 00'	04.00/	44.50/	E 00'	0.40/	4 40/
		57.6%	21.6%	11.5%	5.8%	2.4%	1.1%
	boat operators who have been drinking too much	71.9%	6.4%	3.4%	1.4%	1.2%	15.7%
. 00	3. the amount of noise from	7 1.0 70	0.470	0.470	1,470	1.270	10.7 70
	boats on the lake	71.6%	16.8%	7.6%	1.1%	1.4%	1.5%
	4. near miss or collision	82.6%	9.3%	3.1%	1.1%	1.5%	2.4%
	5. high wakes	61.5%	19.7%	11.8%	3.1%	2.3%	1.7%
	6. use of personal watercraft (jet skis)	58.6%	19.3%	13.8%	4.4%	2.9%	1.1%
	7. large boats (boats over 24 feet)	84.7%	8.7%	2.4%	0.8%	0.8%	2.6%
,	8. boats operating too fast, too close to shore/docks	74.6%	13.6%	6.3%	2.6%	1.1%	1.8%
	9. boats not yielding the right-of-						
	way	72.6%	14.4%	6.3%	3.5%	2.1%	1.1%
	10. number of boats on the lake	65.3%	19.1%	8.4%	4.3%	1.5%	1.4%
	11. excessive speed in channels and crowded areas	78.4%	11.6%	3.5%	2.3%	2.0%	2.1%
	12. excessive speed in open water	82.6%	9.9%	3.8%	1.1%	0.9%	1.7%
	13. fishing tournament activities on the water	87.0%	3.4%	1.8%	0.6%	0.2%	7.0%
	14. fishing tournament activities at the public access	84.9%	4.1%	2.0%	1.1%	0.6%	7.3%
23	What special boating restrictio	ns are	None	÷			23.9%
	there for this lake?			and size re	strictions	,	2.7%
			Time resti	rictions			8.6%
			Don't know	w/not sure		, (34.7%
	×		Horsepow	er restrictio	ns		2.3%
				strictions/qu			33.2%
				ke restrictio			8.1%
			Other	- All (S)			6.3%

24	Overall, how do these restricti	ons affect	Add to enj	Add to enjoyment			18.0%
- · · · · · · · · · · · · · · · · · · ·	your enjoyment of the lake?		Detract fro	m enjoyme	nt	P XX	3.2%
	y 1177		Neutral wit	th respect t	o enjoyment		78.8%
25	Overall, do you think special b	oating	Too restrictive			2.1%	
	restrictions on this lake are:		About right			51.0%	
1.1	x		Not restric	tive enough	1		4.4%
7			Don't know	V			42.6%
26	What special boating	None	er i parti i	d*	- X	11	40.5%
	restrictions are needed for	Boat type	and size res	strictions		174.71	5.0%
	this lake?	Time rest	trictions				2.1%
		Don't kno	t know/not sure				
		Special re	Special restrictions for personal watercraft (jet skis)				
	w day the	Horsepov	wer restriction	ns	Y		3.9%
3.84		Speed re	strictions/qui	et waters			13.1%
	the second of the second	Area of la	ake restriction	ns			4.5%
	• £ 15-4	Other	PART TO		4	- x-	6.5%
27	Have you taken a formal cour	se in boatin	g safety?		Yes		25.6%
					No		73.3%
	. The M. P. M. 1 P.	A KIND TO	71.		Don't know	w/not sure	1.1%
28	Should all motorboat operato	rs be require	ed to comple	te a	Yes	N e	39.8%
	boating safety course?	· · · · · · · · · · · · · · · · · · ·	200 Br		No .		45.6%
			Don't know/not sure				14.5%
29a	In the last 12 months, did you	ı hear a boa	ting safety		Yes		46.0%
Č X	advertisement on the radio?				No		45.7%
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		I Day		Don't know	w/not sure	8.4%
29b	In the last 12 months, did you	ı hear a boa	iting safety		Yes		46.2%
	advertisement on television?	, A	- Janes		No	•	45.1%
					Don't know	w/not sure	8.6%
30	Have you ever used this acce	ess before?			Yes	-	87.5%
			9		No		10.7%
		- V2		-1 -1	Don't know	w/not sure	1.8%
31	Have you ever tried to use fre		cess on this	lake and	Yes		60.9%
	found the access parking lot	full?	4, 34		No		35.0%
			5,		Don't know	w/not sure	4.1%
31a	How many times did you find	the lot full in	n the past 12	months?		zero	13.8%
	The state of the s					1-2	42.1%
	- 1					3-5	22.8%
		1 % pt 4.	2,1	**************************************		6-10	13.6%
*				7		over 10	7.7%
31b	What did you do when you fo	ound the		parked on the road			24.4%
179	parking lot full?		waited for place in lot to open up				14.3%
	1 - 1			nother lake			20.5%
1.5					ess on this la	ke	6.9%
	· · · · · · · · · · · · · · · · · · ·		didn't boa	t that day			9.2%
			other				7.1%

32	How would you rate this access for launching and landing a excellent					
	boat?		good	45.9%		
			fair	19.4%		
			poor	5.9%		
			very poor	3.6%		
			don't know/not sure	3.5%		
33	Did you have any particular r	problems using this access on this	Yes	31.4%		
- 00	boating trip?	roblems doing the docese on the	No	66.2%		
	l seaming and		Don't know/not sure	2.4%		
33a	(IF YES) What was the	not enough parking spaces	Don't knownot sure	13.7%		
33a	problem(s)?	ramp blocked by parked cars, ca	amnore etc	1.5%		
-	problem(s):	access parking lot being used b	_ ·			
		insufficient number of launch lar	7.4%			
				3.8%		
		difficult to launch/land because		3.0%		
		inadequate directional signs to a		0.8%		
1.	,	not enough maneuvering room	on land near ramp for			
		launch/landing	cc	3.2%		
		swimmers near ramp made it di	fficult to launch/land a			
		boat		1.2%		
		not enough maneuvering room on water near ramp for launch/landing				
	people fishing from the dock at the access made it					
difficult to maneuver				4.59 0.09		
		safety of entry to access area from road or highway				
		couldn't find the access from the	e lake after dark	0.9%		
	*	water too shallow		22.9%		
		no dock		1.8%		
	-	access site in disrepair		1.79		
		ramp slope too steep	1	2.19		
		ramp too short	3.	4.19		
		other		10.19		
34	Which of the following	Better directional signs to acces	SS	3.6%		
	improvements do you feel	better informational signs at acc	ess	2.0%		
	are needed at this launch	a dock to aid launching		7.19		
	site?	better lighting of access/parking	area	6.9%		
		beacon light visible from lake		7.79		
		more parking spaces in lot		0.3%		
		protection from wind/waves in fr	ont of launch ramp	3.9%		
		litter pickup	,	12.3%		
	*	toilets		7.49		
		toilet maintenance (if applicable)	8.3%		
		more launch lanes/ramps		10.2%		
-		better enforcement		10.89		
		trash containers		4.49		
	*	larger parking spaces in access	Int	31.19		
		other	101	18.29		

35	Do you currently have a disability that affect	cts when or	r where you	boat?	Yes	2.1%
	Yellon Y				No	97.9%
35a	Was this public access facility adequate fo	r your need	ds?		Yes	86.3%
		·			No	13.8%
35b	Did you park in a designated handicapped	space at the	his access?		Yes	7.1%
			1 . V [F.]	1.5	No	92.9%
36	How large a problem to you were any effect	cts of	No proble	m		57.9%
	"power loading" at this launch site ("effects		serious pr			5.0%
	scouring a hole at the end of the ramp and	building	slight prob			11.9%
	a ridge off the end of the ramp)?			us problem	50 TO 10 1	2.7%
	1		moderate			5.3%
		-, *. *	don't knov	•	51	17.3%
37	When you landed your boat today, did you	"power loa		Yes	11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26.0%
	boat onto your trailer?	p		No	100	68.4%
					w/not sure	5.6%
38	In the last 12 months, how many times did	vou use a	free public a		Zero	4.1%
-	launch a boat onto a Minnesota lake or riv				1-2	6.5%
,			1	7 77	3-5	13.1%
					6-10	23.4%
					11-25	31.9%
		v			over 25	21.0%
39	Do you know of a lake(s) within 50 miles of	f this lake t	that needs	Yes		22.9%
	an additional (or initial) public boat access			No		41.5%
		-			w/not sure	35.6%
40	Do you think an additional (or initial) public	boat acce	ess is	Yes		18.9%
	needed on this lake?			No	•	61.2%
	i de la companya de l				w/not sure	19.8%
41	How many other lakes do you boat on with	nin about 5	0 miles of th		Zero	10.5%
					1-2	23.3%
					3-5	37.4%
-1		-,		7777	6-10	19.5%
					over 10	9.3%
41a	How do you gain access to these lakes?	Free pub	lic access la	unch site	1 010. 10	87.4%
1.0		my home		idi i o i o		2.4%
	2	-	/road right-o	f-way-unim	proved site	2.7%
	N 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		relative's ho		p. 0.00 0.00	5.0%
, -	4		arina or priv		site	11.0%
			no answer			5.4%
42	To help prevent the spread of aquatic inva			Very unlik	celv	16.1%
	likely or unlikely would you be to power wa			Slightly u		6.5%
1)	access?			Neither		8.0%
		Τ		Slightly lil	celv	16.5%
A.			**	Very likel		45.3%

43	How important to you are each of the following items at a public boat access?						
	Item	not important	slightly important	moderately important	very important	don't know	
	1. dock to aid launching/landing	10.4%	5.7%	14.0%	67.2%	2.7%	
	2. toilets	4.1%	13.5%	29.9%	49.6%	2.9%	
	3. map of the lake showing depth,	10	,				
	hazards	14.1%	22.3%	28.6%	32.2%	2.9%	
	4. map of lake showing boating	. 0.00/	44.00/	00.00/	40.40/	0.00/	
-	restrictions 5. emergency/boating safety	6.0%	11.6%	30.8%	48.4%	3.2%	
	information	15.5%	31.6%	28.7%	19.7%	4.5%	
	6. paved parking lot (as opposed to	19.070	01.070	20.170	10.770	4.070	
	gravel)	22.1%	18.8%	25.1%	30.5%	3.5%	
	7. fishing information for this lake	23.9%	23.3%	26.3%	23.2%	3.3%	
	8. description of natural history of this						
	lake	38.0%	31.1%	20.6%	6.9%	3.3%	
	9. information on where to buy boat gas	45 =0:	0= 10:	45.00	E 101	0.50:	
	& other boating supplies	49.5%	27.1%	15.2%	5.1%	3.2%	
44	What type of radio station do you primarily	/ listen to?		Classical Easy listening/lite		2.9%	
					ning/lite	9.8%	
-				Sports		9.8%	
	*			Country Jazz		24.7%	
	· · · · · · · · · · · · · · · · · · ·				,	2.6%	
				Rock & ro	l .	35.5%	
	,		¥	Public rad	ia	19.8%	
	,			Religious		12.2%	
-				Other	radio	5.1%	
45	Have you ever obtained boating-related in	formation fr	om the	Yes		5.0% 66.2%	
45	Minnesota DNR web page (www.dnr.state		om me	No		30.2%	
	Willingsold Bill web page (www.dill.state	7.11111.03)		Don't knov	w/not suro	30.2%	
46	Which category best describes your total	household is	20000	less than \$		1.4%	
40	before taxes last year?	nousenoiu ii	ICOME	\$20,000-\$	· · · · · · · · · · · · · · · · · · ·	3.0%	
	before taxes fast year :			\$30,000-\$		4.8%	
				\$40,000-\$		7.1%	
				\$50,000-\$		18.8%	
-				\$75,000-\$		20.8%	
				\$100,000		30.4%	
				Refuse to		8.7%	
	, , , , , , , , , , , , , , , , , , ,			Don't know		5.1%	