

# Minnesota Department of Natural Resources 1996 Metro Boating Study

Summer (May 25, 1996 — September 2, 1996)

January 1997

Prepared for:  
Minnesota Department of Natural Resources  
Bureau of Information and Education  
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## I. INTRODUCTION

**A. Background.** The Minnesota Department of Natural Resources (DNR) contracted for a study of the Twin Cities metropolitan area boating during the summer (Memorial Day through Labor Day weekends) of 1996. ThomTech Design Company of Saint Paul, MN was selected to conduct the study. The metro boating study results are used to provide information to several DNR or state programs. Table 1 lists some of these. The boating study included launched boat counts derived from aerial photographs and boater interviews.

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

**Table 1: Programs That May Use Boating Data**

**B. Goals.** The DNR wanted to determine the level and type of boating activity on metropolitan lakes. This study provides and presents results in a useful format for making informed decisions. Table 2 lists the goals for the project.

	Goal
1.	measure the quantity and source of boating use on metropolitan area lakes
2.	measure boater characteristics and attitudes concerning their experience on the water

**Table 2: Program Goals**

Table 3 provides a listing of the lakes included in this study as well as the comparison of which lakes were included in the 1984 study. This table also provides the lake names and county designation for each of the lakes. The number of public accesses and private/marina accesses are provided in columns 9 and 10.

**C. Objectives.** The two objectives as they relate to the program goals are listed below.

**1. Objective 1.** Measure total use by source of boater. Determine, directly from aerial counts, boat density distribution at peak times on fair weather weekdays and weekends/holidays.

**2. Objective 2.** Measure Boater experiences, perceptions, and characteristics by source of boater.

Seq No.	DOW Number	Name of Lake or River	County	1984	1996	aerial survey	inter-views	# public accesses	# of marinas
1	100009	Minnewashta	Carver	✓	✓	✓	✓	2	0
2	700026 700072	Lower Prior Upper Prior	Scott	✓	✓	✓	✓	2	2
3	820052	Big Marine	Washington	✓	✓	✓	✓	2	1
4	820167	White Bear	Washington & Ramsey	✓	✓	✓	✓	2	3
5	270031	Calhoun	Hennepin	✓	✓	✓	✓	1	1
6	270019	Nokomis	Hennepin	✓	✓	✓	✓	1	1
7	270067	Bryant	Hennepin	✓	✓	✓	✓	1	0
8	270111	Eagle	Hennepin	✓	✓	✓	✓	1	0
9	620078	Johanna	Ramsey	✓	✓	✓	✓	1	0
10	620056	Owasso	Ramsey	✓	✓	✓	✓	1	0
11	620057	Josephine	Ramsey	✓	✓	✓	✓	1	0
12	270137	Christmas	Hennepin & Carver	✓	✓	✓	✓	1	0
13	620061	Turtle	Ramsey	✓	✓	✓	✓	1	0
14	820049	Big Carnelian	Washington	✓	✓	✓	✓	1	0
15	20026	Centerville	Anoka	✓	✓	✓	✓	1	0
16	820159	Forest	Washington	✓	✓	✓	✓	3	1
17	20026	Linwood	Anoka	✓	✓	✓	✓	1	0
18	190026	Marion	Dakota	✓	✓	✓	✓	1	0
19	100059	Waconia	Carver	✓	✓	✓	✓	1	2
20	820163	Clear	Washington	✓	✓	✓	✓	1	0
21	20052	Netta	Anoka	✓	✓	✓	✓	0	0
22	700120	Thole	Scott	✓	✓	✓	✓	1	0
23	130012 130028	Chisago & South Lindstrom	Chisago	NO	✓	✓	✓	1	
24	130041	Green	Chisago	NO	✓	✓	✓	2	0
25	130031	Sunrise	Chisago	NO	✓	✓	✓	0	1
26	130053	Comfort	Chisago	NO	✓	✓	✓	1	0
27	270160	Long	Hennepin	NO	✓	NO	✓	1	0
28	700069	Fish	Scott	NO	✓	NO	✓	1	0
29	Mississippi River, Twin Cities		A, D, H, R, W	NO	✓	NO	✓	12	5
30	Saint Croix River, Twin Cities		Washington	NO	✓	NO	✓	1	10

**Table 3: Summary of Project Lakes & Accesses**

## II. METHODOLOGY DESCRIPTION

**A. Approach.** Data gathering was conducted to meet both project objectives as described below. The source of boater information was collected to determine the contributions to boating from three sources: lake residents, boaters using public accesses, and boaters using private accesses or marinas. The boater experiences were sampled by using a mailout survey for the lake residents and face to face interview surveys for the public access and private/marina access boaters.

**B. Measure total use by source of boater.** For the aerial boat counts, 1 practice flight and 14 flights (7 weekend/holiday & 7 weekday) were conducted. Fourteen backup flights were scheduled, only one was used - July 10th. Table 4 provides the dates of each flight. The 26 lakes were divided into four geographical areas. The order of flight was randomly selected as to which area was overflowed 1st, 2nd, 3rd, & 4th. The geographical areas and lake assignments are provided in Table 5. Table 6 provides the geographic order for each of the flights. Within each geographical area, we varied the order based on wind direction for that day.

WEEKEND/HOLIDAY FLIGHTS		WEEKDAY FLIGHTS	
May 26	1st of seven weekend/holiday	May 31	1st of seven weekday flights
May 27	backup for 1st flight	Jun 5	backup for 1st flight
Jun 9	2nd of seven weekend/holiday	Jun 11	2nd of seven weekday flights
Jun 15	backup for 2nd flight	Jun 13	backup for 2nd flight
July 4	3rd of seven weekend/holiday	Jun 19	3rd of seven weekday flights
July 7	backup for 3rd flight	Jun 26	backup for 3rd flight
July 13	4th of seven weekend/holiday	Jul 9	4th of seven weekday flights
July 21	backup for 4th flight	Jul 10	backup for 4th flight
Aug 3	5th of seven weekend/holiday	Jul 23	5th of seven weekday flights
Aug 11	backup for 5th flight	Jul 26	backup for 5th flight
Aug 18	6th of seven weekend/holiday	Aug 8	6th of seven weekday flights
Aug 24	backup for 6th flight	Aug 15	backup for 6th flight
Sep 1	7th of seven weekend/holiday	Aug 21	7th of seven weekday flights
Sep 2	backup for 7th flight	Aug 23	backup for 7th flight

**Table 4: Weekend/Holiday and Weekday Flight Schedule**

Seaplanes were used because they allowed for low altitude flying and can fly at very low airspeeds for better counting accuracy. The worksheets for recording the boat and vehicle counts are included as Worksheets 3 and 4.

Geographic Area	Lakes	County	Category	# of PA's
<b>Northeast</b>				
1.	Big Marine	Washington	1	2
2.	Big Carnelian	Washington	3-PA	1
3.	Forest	Washington	3-PA	3
4.	Clear	Washington	3-PA	1
5.	Chisago/S. Lindstrom	Chisago	3-PA	1
6.	Green	Chisago	3-PA	1
7.	Sunrise	Chisago	3-no PA	0
8.	Comfort	Chisago	3-PA	1
<b>Northwest</b>				
1.	White Bear	Ramsey/Wash .	1	2
2.	Johanna	Ramsey	2-PA	1
3.	Owasso	Ramsey	2-PA	1
4.	Josephine	Ramsey	2-PA	1
5.	Turtle	Ramsey	2-PA	1
6.	Centerville	Anoka	3-PA	1
7.	Netta	Anoka	3-no PA	0
8.	Linwood	Anoka	3-PA	1
<b>West</b>				
1.	Minnewashta	Carver	1	2
2.	Calhoun	Hennepin	2-PA	1
3.	Nokomis	Hennepin	2-PA	1
4.	Bryant	Hennepin	2-PA	1
5.	Eagle	Hennepin	2-PA	1
6.	Christmas	Hennepin/Carver	2-PA	1
7.	Waconia	Carver	3-PA	1
<b>South</b>				
1.	L & U Prior	Scott	1	2
2.	Marion	Dakota	3-PA	1
3.	Thole	Scott	3-PA	1

**Table 5: Geographic Areas by Lake, County, & Category**

WEEKEND/HOLIDAY FLIGHTS		
Date	Flight	Order (first, second, third, fourth)
May 26	1st of seven weekend/holiday	West,South,Northwest,Northeast
Jun 9	2nd of seven weekend/holiday	Northwest,Northeast,South,West
July 4	3rd of seven weekend/holiday	Northeast,Northwest,West,South
July 13	4th of seven weekend/holiday	West,South,Northeast,Northwest
Aug 3	5th of seven weekend/holiday	Northeast,Northwest,South,West
Aug 18	6th of seven weekend/holiday	Northwest,Northeast,West,South
Sep 1	7th of seven weekend/holiday	South,West,Northwest,Northeast
WEEKDAY FLIGHTS		
Date	Flight	Order (first, second, third, fourth)
May 31	1st of seven weekday flights	West,South,Northwest,Northeast
Jun 11	2nd of seven weekday flights	South,West,Northeast,Northwest
Jun 19	3rd of seven weekday flights	South,West,Northwest,Northeast
Jul 9	4th of seven weekday flights	South,West,Northwest,Northeast
Jul 23	5th of seven weekday flights	Northwest,Northeast,West,South
Aug 8	6th of seven weekday flights	Northeast,Northwest,South,West
Aug 21	7th of seven weekday flights	West,South,Northwest,Northeast

**Table 6: Order of Flight by Geographic Area**

**1. Counting and Classifying Boats.** Aerial counts were completed using two types of aircraft: (1) Cessna 172 and (2) Champ Cub. Each of the aircraft were equipped with floats for low altitude flying and able to set down on water when required. Each flight had a pilot, photographer, and observer on board for recording an accurate boat count and empty trailer count at each public access, identified private accesses, and marinas. During each flight, boats were counted using a manual counter and aerial photographs were taken of each lake, access, parking area, and marina. The manual counter is a device that counts one each time the plunger is depressed with the counter's thumb. As the plane flew over the lake, the boats were counted. The photographer took pictures with a 35 mm camera of the boats on the lake.

The boats were classified from the photographs as to type of boat and whether the boat was moving (wake) or not moving (no wake). If the boating traffic was small or there were only a few boats on the water that day, then the classification was accomplished during the flight and a photograph was not needed. At a minimum, at the end of each flight, the total boat count and the wake/no wake count was recorded for each flight. After developing the film,

the boats on each lake were classified using the criteria described in Table 7. Each photograph was studied using a magnifying glass to determine type of boat, confirm the boat count, and confirm wake or no wake. The data was then entered into a table for each flight. These tables are provided in Enclosure (1). The boat count for Lake Nokomis was conducted from the ground because this lake cannot be overflowed with the aircraft used for this study. The Lake Nokomis counts were all conducted on the same flight date and time as the actual overflight of the other lakes.

Cruiser	Inboard/outboard motor, cabin and/or superstructure
Runabout	Inboard/outboard motor with windshield
Fishing boat	May or may not have motor or oars, no windshield
Sailboat	Sail, mast, may be a sailboard, may or may not have motor
Pontoon	Raft type boat with floatation tubes, may or may not have motor
Canoe/Kayak	Narrow watercraft using paddles or oars, pointed at both ends
Jetski	One or two person personal watercraft
Wake	Movement of boat leaving a noticeable wake
No wake	Boat underway, leaving no wake, at anchor or adrift

**Table 7: Boat Classifications**

**2. Counting Vehicles at Public Accesses.** After counting and photographing the boats, the plane flew over the parking areas and adjoining areas (overflow places where vehicles are parked that use that access) of the public accesses for each lake. The person with the counter, counted the vehicles capable of transporting a boat to the access that day. The majority of these vehicles were automobiles/trucks pulling a boat trailer. However, we also counted cars with car top carriers and trucks capable of transporting a boat to the access. Unattached boat trailers were not counted. The photographer took pictures of the access parking area and adjoining areas. If the areas were small or not crowded on that day, a picture was not always taken, because classification and counting was accomplished during the flight. However, most classification of the boats and confirmation of the vehicle and boat counts were accomplished after the flight while studying the photographs. Table 8 provides a listing of the public accesses for each lake that were counted on each flight. The vehicle count for each flight and public access is included in Enclosure (2). The Public Access vehicle count for Lake Nokomis was conducted from the ground, during the same date and time, because this lake cannot be overflowed with the aircraft used for this study.

Seq No.	DOW Number	Name of Lake	guide codes	parking spaces
1	100009	Minnewashta	C19	25
	100009	Minnewashta	C23	10
2	700026/700072	Lower Prior/Upper Prior	S11	28
	700026/700072	Lower Prior/Upper Prior	S7	12
3	820052	Big Marine	W2	8
	820052	Big Marine	W3	28
4	820167	White Bear	R12	37
	820167	White Bear	R13	15
5	270031	Calhoun	H3	2+
6	270019	Nokomis	H21	82
7	270067	Bryant	H1	10
8	270111	Eagle	H30	10
9	620078	Johanna	R3	15
10	620056	Owasso	R9	5
11	620057	Josephine	R5	6
12	270137	Christmas	H42	7
13	620061	Turtle	R17	22/5
14	820049	Big Carnelian	W1	14
15	20026	Centerville	A1	29
16	820159	Forest	W6	20
	820159	Forest	W7	11
	820159	Forest	W12	15
17	20026	Linwood	A18	28
18	190026	Marion	D4	40
19	100059	Waconia	C18	40
20	820163	Clear	W20	20
21	20052	Netta	NONE	
22	700120	Thole	S10	15
23	130012/130028	Chisago & South Lindstrom	Chisago	50
24	130041	Green	Chisago	12
	130041	Green	Chisago	15-35
25	130031	Sunrise	NONE	
26	130053	Comfort	Chisago	10

**Table 8: Public Accesses where Vehicle Counts were Conducted**

**3. Counting Vehicles at Marina/Private Accesses.** The vehicles for the marinas/private accesses were counted the same way as the public access vehicles. Table 9 provides a listing of the marinas/private accesses where vehicles capable of transporting a boat were counted for each flight. The vehicle count for each flight and marina/private access is included in Enclosure (2).

Lake	Marina
White Bear	White Bear Docking
White Bear	Johnson Boat Works
Forest	Timm's Marina
Prior	Prior Lake Yacht Club
Prior	Wagon Bridge Marina
Waconia	In-Towne Marina
Waconia	The Boat House
Big Marine	Veteran's Rest Camp
Sunrise	Gurtek's
Centerville	Dinner Club & Waterski Jump

**Table 9: Marinas/Private Accesses where Vehicle Counts were Conducted**

**4. Counting Empty Slips at Marinas.** The empty slips at marinas were also counted on each flight. The plane flew over the marina and the photographer took a photograph of the marina. After the film was developed, the number of empty slips were counted. As accurately as possible the number of empty buoys were also counted. On the morning of June 27<sup>th</sup>, the marinas were overflown and photographed to count the number of empty slips that were not occupied for the summer. The flight was flown in the morning on a weekday in late June as the best time to conduct a count with the fewest boats away from their slips. This number was then used to compare with the empty slip count for each flight, thereby deriving the number of empty slips that contributed to the boat count for that flight. Table 10 provides a list of the marinas that were counted the total number of slips and the empty slips counted on the June 27<sup>th</sup> flight. The empty slip count for each flight is included in Enclosure (2). The empty slip count for Lake Nokomis was conducted from the ground because this lake cannot be overflown with the aircraft used for this study. The Lake Nokomis counts were all conducted on the same flight date and time as the actual overflight of the other lakes.

Lake	Marina	# of Slips	# Vacant on 6/27
White Bear	White Bear Docking	192	27
White Bear	Johnson Boat Works	216	22
White Bear	City of White Bear	40	4
Forest	Timm's Marina	55	2
Prior	Prior Lake Yacht Club	56	14
Prior	Wagon Bridge Marina	94	4
Calhoun	Municipal Marina	110	12
Nokomis	City of Minneapolis	42	2
Waconia	In-Towne Marina	45	4
Waconia	The Boat House	32	3
Big Marine	Veteran's Rest Camp	18	4

**Table 10: Marinas & 6/27 Empty Slip Count**

**C. Determining Resident Contribution.** The riparian population was queried via mail and telephone to determine whether they were boating during the aerial flight times. This estimate was done for three lake groupings (Categories I, II, and III). For each lake grouping, the estimate was done three times for weekdays, and 3 times for weekend/holidays. Table 11 provides a listing of the flight dates for which lake resident contribution was sampled. The DNR provided lists of lake residents, including their addresses, obtained from county records. Postcards were mailed to 455 residents for each of the six selected flight times. The postcard is shown in Attachment A. Table 12 provides the response rate of each of the postcard mailings. The return rates were calculated by subtracting the postcards that were returned to sender from the total number mailed. Postcards were allocated as follows: 150 for categories I, II, & III and five for the Long and Fish lake category. Residents were telephoned until we received 30 responses from residents (10 from each category). The three questions were asked of the called party to determine the number of boats contributed by their household during the 2 hour period of the flight.

Flight	Date	Weekday or Weekend/Holiday
5	June 19, 1996	Weekday
6	July 4, 1996	Weekend/Holiday
7	July 10, 1996	Weekday
8	July 13, 1996	Weekend/Holiday
10	August 3, 1996	Weekend/Holiday
11	August 8, 1996	Weekday

**Table 11: Flight Dates that Resident Contribution was Sampled**

Flight Date	Postcards Mailed	Postcards Returned by Residents	Percent Returned	Postcards Return to Sender	Percent Returned to Sender	Number of Residents Telephoned
6/19	455	259	58%	8	2%	30
7/4	455	335	74%	5	1%	30
7/10	455	326	73%	10	2%	30
7/13	455	328	73%	8	2%	30
8/3	455	339	77%	3	1%	30
8/8	455	306	69%	9	2%	30

**Table 12: Return Rates for Postcard Mailings**

**D. Measure boater experiences, perceptions, and characteristics by source of boater.** We administered the survey questionnaire in three parts. A unique but very similar questionnaire was developed for each of the three sources of boater. The resident survey is provided in Attachment B, the public access survey is provided in Attachment C, and the private/marina access survey is provided in Attachment D. There were 28 strata that the DNR desired to sample. The strata are provided in Table 13. The desired sample for each stratum was 100 surveys, however, the Netta & Sunrise category had only 43 residents and the Long & Fish category had only 75 residents. A total of 2,696 surveys were conducted.

The addresses for the resident surveys were provided by DNR. These addresses were sorted by category and assigned a serial number. The serial number was used to identify what category and lake returned surveys originated and to determine those residents that needed a reminder to complete their survey and send it in. A cover letter, survey, and self

addressed stamped envelope were mailed to each of the randomly selected residents.

After three weeks we sent out another cover letter and survey for the residents who had not responded to the first query. The two cover letters are included as Attachment E. We anticipated a 50% response rate and received better than that. We did not need to send a reminder letter for the third mailout date, because we had received enough surveys to meet our sample requirements. The resident surveys were mailed on the following dates: June 19, July 9, and August 3. We mailed 133 surveys to categories I, II, & III residents; 15 to Netta and Sunrise residents; and 25 to Long and Fish Lakes residents for a total of 440 mailed surveys each mailing date.

#	Category	Type	WD/WE/HOL	# surveys	comments
1	1	Resident	weekday	100	
2	1	Private Access	weekday	100	
3	1	Public Access	weekday	100	
4	2-PA	Resident	weekday	100	
5	2-PA	Private Access	weekday	100	
6	2-PA	Public Access	weekday	100	
7	3-PA	Resident	weekday	100	
8	3-PA	Private Access	weekday	100	
9	3-PA	Public Access	weekday	100	
10	3-NPA	Resident	weekday	23	Netta & Sunrise
11	River	Private Access	weekday	100	
12	River	Public Access	weekday	100	
13	PA only	Resident	weekday	37	Long & Fish lakes
14	PA only	Public Access	weekday	100	Long & Fish lakes
15	1	Resident	weekend/holiday	100	
16	1	Private Access	weekend/holiday	100	
17	1	Public Access	weekend/holiday	100	
18	2-PA	Resident	weekend/holiday	100	
19	2-PA	Private Access	weekend/holiday	100	
20	2-PA	Public Access	weekend/holiday	100	
21	3-PA	Resident	weekend/holiday	100	
22	3-PA	Private Access	weekend/holiday	100	
23	3-PA	Public Access	weekend/holiday	100	
24	3-NPA	Resident	weekend/holiday	23	Netta & Sunrise
25	River	Private Access	weekend/holiday	100	
26	River	Public Access	weekend/holiday	100	
27	PA only	Resident	weekend/holiday	38	Long & Fish lakes
28	PA only	Public Access	weekend/holiday	100	Long & Fish lakes
TOTAL STRATA = 28			TOTAL SURVEYS =	2521	100/CATEGORY

**Table 13: Strata for 1996 Metro Boating Study**

	# Mailed each Month	June	percent June	July	percent July	August	percent August	# return to sender	percent return to sender
Category I	133	100	77%	90	70%	76	59%	13	3%
Category II	133	101	78%	89	69%	79	61%	10	3%
Category III	133	88	68%	81	63%	68	53%	15	4%
Fish/Long	25	14	56%	14	56%	16	64%	4	5%
Netta/Sunrise	15	7	47%	8	53%	13	87%	2	4%

**Table 14: Return Rates for Mailout Resident Surveys**

The public and private/marina surveys were conducted through face to face interviews with boaters as they completed their boating experience for that day. The boaters were approached by an interviewer and asked if they would care to participate in the boating study. Six different interviewers were employed. In many cases the interviewer needed to act quickly, as the interview was usually conducted while the boater was preparing the boat for transport on a boat trailer. When the boater was completed with their tasks, they wanted to be on their way.

The interviews were to be equally divided between weekend/holiday and weekday. The interviews were also to be equally divided over the study period (Memorial Day to Labor Day). An effort was made to obtain 20% of the interviews in the morning, 40% in the afternoon, and 40% in the evening. Table 15 provides the results of the interviews by weekend/holiday and weekday. Table 16 provides the results of the interview by month. Table 17 provides the results of the interviews by time of day.

	May/June	Percent May/June	July	Percent July	August/September	Percent August/September
Public Access Surveys	369	36%	246	24%	417	40%
Marina/Private Access Surveys	167	21%	248	31%	396	48%

**Table 15: Surveys Conducted by Month**

	Weekend/Holiday	Percent Weekend/Holiday	Weekday	Percent Weekday
Public Access Surveys	510	49%	522	51%
Marina/Private Access Surveys	392	48%	419	52%

**Table 16: Surveys Conducted by Weekend/Holiday & Weekday**

	Before Noon	Percent Before Noon	Noon to Five O'clock	Percent Noon to Five	After Five O'clock	Percent After Five O'clock
Public Access Surveys	214	21%	424	41%	394	38%
Marina/Private Access Surveys	142	18%	338	42%	331	40%

**Table 17: Surveys Conducted by Time of Day**

The assignments for interviews were scheduled to include all accesses and lakes. Worksheets 1 and 2 reflect the schedule of the interviewers. The interviews were conducted during the period from Memorial Day weekend through Labor Day weekend (May 25 - September 2, 1996). The survey results are provided in Appendices 1-9. Each of the boater sources (appendices 1, 4, & 7) are provided as well as each source divided by week day (appendices 3, 6, & 9) and weekend/holiday (appendices 2, 5, & 8).

### III. METRO BOATING STUDY RESULTS

**A. Results of the Aerial Boat & Vehicle Counts.** The results of the aerial boat counts are contained in Enclosures 1 and 2. Enclosure 1 provides the results for each flight. This includes the lake, category, total boats, breakdown by boating activity, wake, and no wake. Enclosure 2 provides the vehicle or trailer counts for each lake, public access, private/marina access, and empty slips counts. Tables 18 and 19 provide the results of the boat counts by flight and source of boater. Figure 1 illustrates a graphic representation of combined results from the fourteen flights. The results shown in Figure 1 include all lakes (not rivers) and categories combined. The remainder is a mathematical calculation derived by subtracting the public access and the private/marina access from the total boats to get the remainder.

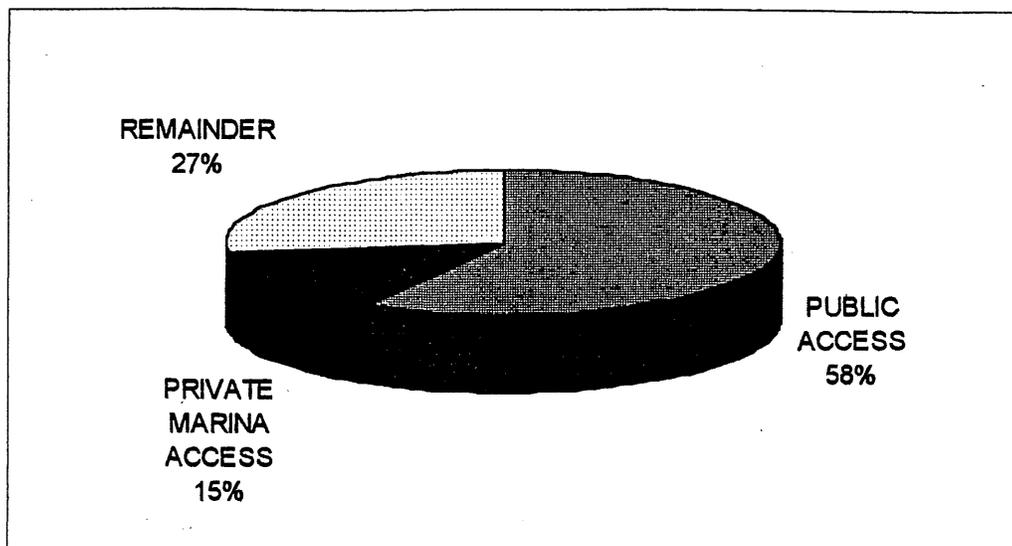


Figure 1: Source of Boater Percentage for Combined Flights

Date	Lake Category	Total Boats	Public Access	Percent Public	Pri/Mar Access	Percent Pri/Mar	Remainder	Percent Remainder
26-May	1	285	180	63%	40	14%	65	23%
	2	67	40	60%	8	12%	19	28%
	3	456	277	61%	23	5%	156	34%
	3-NPA	24	0	0%	20	83%	4	17%
31-May	1	149	99	66%	28	19%	22	15%
	2	60	42	70%	5	8%	13	22%
	3	224	118	53%	24	11%	82	37%
	3-NPA	5	0	0%	4	80%	1	20%
9-Jun	1	580	381	66%	119	21%	80	14%
	2	207	87	42%	21	10%	99	48%
	3	579	395	68%	40	7%	144	25%
	3-NPA	14	0	0%	8	57%	6	43%
11-Jun	1	189	118	62%	39	21%	32	17%
	2	82	43	52%	3	4%	36	44%
	3	197	153	78%	13	7%	31	16%
	3-NPA	6	0	0%	6	100%	0	0%
19-Jun	1	140	112	80%	21	15%	7	5%
	2	67	44	66%	3	4%	20	30%
	3	190	122	64%	22	12%	46	24%
	3-NPA	5	0	0%	1	20%	4	80%

Table 18: Boat Count Results for 14 Flights

Date	Lake Category	Total Boats	Public Access	Percent Public	Pri/Mar Access	Percent Pri/Mar	Remainder	Percent Remainder
4-Jul	1	747	298	40%	150	20%	299	40%
	2	195	85	44%	11	6%	99	51%
	3	647	387	60%	70	11%	190	29%
	3-NPA	18	0	0%	14	78%	4	22%
10-Jul	1	199	95	48%	45	23%	59	30%
	2	122	70	57%	17	14%	35	29%
	3	197	130	66%	15	8%	52	26%
	3-NPA	2	0	0%	3	150%	-1	-50%
13-Jul	1	294	155	53%	58	20%	81	28%
	2	98	52	53%	26	27%	20	20%
	3	277	193	70%	13	5%	71	26%
	3-NPA	7	0	0%	5	71%	2	29%
23-Jul	1	163	87	53%	30	18%	46	28%
	2	86	49	57%	11	13%	26	30%
	3	145	101	70%	16	11%	28	19%
	3-NPA	1	0	0%	1	100%	0	0%
3-Aug	1	150	93	62%	27	18%	30	20%
	2	90	54	60%	19	21%	17	19%
	3	250	174	70%	15	6%	61	24%
	3-NPA	12	0	0%	2	17%	10	83%
8-Aug	1	161	108	67%	25	16%	28	17%
	2	56	39	70%	11	20%	6	11%
	3	104	58	56%	16	15%	30	29%
	3-NPA	1	0	0%	0	0%	1	100%
18-Aug	1	240	125	52%	76	32%	39	16%
	2	89	70	79%	9	10%	10	11%
	3	321	224	70%	16	5%	81	25%
	3-NPA	4	0	0%	0	0%	4	100%
21-Aug	1	94	47	50%	14	15%	33	35%
	2	63	35	56%	22	35%	6	10%
	3	107	70	65%	11	10%	26	24%
	3-NPA	2	0	0%	2	100%	0	0%
1-Sep	1	385	151	39%	102	26%	132	34%
	2	103	54	52%	22	21%	27	26%
	3	449	267	59%	44	10%	138	31%
	3-NPA	10	0	0%	6	60%	4	40%

**Table 19: Boat Count Results for 14 Flights (continued)**

**B. Results of Postcard Mailing.** The results of the postcard mailing to determine the Resident Contribution to boating usage for the subject lakes are contained in Table 21. By examining the figures in Table 21, it is evident that the projected resident contribution (projected in "Resident Contribution" column) is significantly in excess of the remainder from each flight after removing public access and private/marina access contributions ("Remainder" column). The results of this method are not consistent with the observed boat counts contained in Enclosure 1.

A telephone follow-up was used to determine the contribution from those residents that did not respond to the postcard mailing. Thirty residents (10 from each category) were telephoned. The results are listed under the column labeled telephone boat count. This number was then extrapolated to determine the contribution from those residents not responding. The sample contribution is calculated by subtracting the postcards returned from the postcards mailed and multiplying that by the percentage of boats from the 10 telephone calls. This number is then added to the mailing boat count to get the sample contribution. If Category I for June 19<sup>th</sup> is used as an example, the sample contribution is determined as follows:

$$(150-86) \times (2/10) + 41 = 54$$

The resident contribution is calculated by dividing the sample contribution by the number of postcards mailed and multiplying by the number of residents in each category. Table 20 provides the number of residents in each category derived from the addresses provided by DNR. If the same example is used, the resident contribution is determined as follows:

$$(54/150) \times 1177 = 422$$

There does not appear to be an explanation for why this occurred. The residents who responded to the survey have indicated much more boating usage than observed from the aerial flights. Perhaps the postcard was unclear or the cover letter was not specific enough in the directions provided to the residents. No additional analysis was performed on this data.

	Category I	Category II	Category III	Long/Fish	Netta/Sunrise
# of Residences	1177	820	2080	75	45

**Table 20: Number of Residences by Category**

	Lake	Postcards	Postcards	Mailing	Postcards	Telephone	Sample	Resident	Remainder
Date	Category	Mailed	Returned	Boat Count	Phoned	Boat Count	Contribution	Contribution	see Tables 18 and 19
19-Jun	1	150	86	41	10	2	54	422	7
19-Jun	2	150	90	31	10	5	61	333	20
19-Jun	3	150	81	15	10	2	29	399	46
19-Jun	Long/Fish	5	2	0	N/A	N/A	0	0	0
19-Jun	TOTAL	455	259	87	N/A	9	144	1155	73
4-Jul	1	150	109	79	10	3	91	716	299
4-Jul	2	150	111	72	10	2	80	436	99
4-Jul	3	150	112	81	10	4	96	1333	190
4-Jul	Long/Fish	5	3	0	N/A	N/A	0	0	0
4-Jul	TOTAL	455	335	232	N/A	9	267	2486	588
10-Jul	1	150	99	40	10	6	71	554	59
10-Jul	2	150	116	34	10	7	58	316	35
10-Jul	3	150	107	38	10	3	51	705	52
10-Jul	Long/Fish	5	4	1	N/A	N/A	1	235	0
10-Jul	TOTAL	455	326	113	N/A	16	180	1811	146
13-Jul	1	150	104	59	10	3	73	571	81
13-Jul	2	150	114	53	10	1	57	309	20
13-Jul	3	150	106	49	10	1	53	740	71
13-Jul	Long/Fish	5	4	1	N/A	N/A	1	235	0
13-Jul	TOTAL	455	328	162	N/A	5	184	1856	172
3-Aug	1	150	114	48	10	2	55	433	30
3-Aug	2	150	100	46	10	1	51	279	17
3-Aug	3	150	122	44	10	2	50	687	61
3-Aug	Long/Fish	5	3	0	N/A	N/A	0	0	0
3-Aug	TOTAL	455	339	138	N/A	5	156	1399	108
8-Aug	1	150	93	57	10	1	63	492	28
8-Aug	2	150	100	37	10	5	62	339	6
8-Aug	3	150	111	52	10	1	56	775	30
8-Aug	Long/Fish	5	2	1	N/A	N/A	1	235	0
8-Aug	TOTAL	455	306	147	N/A	7	182	1841	64

**Table 21: Results of Postcard Mailing**

**C. Results of the Mailout Surveys & Face to Face Interviews.** The survey results are provided in Table 21. As mentioned before, the actual data from the surveys are recorded in appendices 1-9. A total of 2696 surveys were conducted and recorded. Each of the surveys were entered into an Excel spreadsheet. The results were tabulated using MS Access and Excel

software programs. A copy of the discs have been provided to the DNR Project Manager under separate cover.

#	Category	Type	WD/WE/HOL	# of surveys	comments
1	1	Resident	weekday	127	
2	1	Private Access	weekday	102	
3	1	Public Access	weekday	102	
4	2-PA	Resident	weekday	139	
5	2-PA	Private Access	weekday	112	
6	2-PA	Public Access	weekday	102	
7	3-PA	Resident	weekday	111	
8	3-PA	Private Access	weekday	103	
9	3-PA	Public Access	weekday	102	
10	3-no PA	Resident	weekday	15	Netta & Sunrise lakes
11	River	Private Access	weekday	102	
12	River	Public Access	weekday	105	
13	PA only	Resident	weekday	20	Long & Fish lakes
14	PA only	Public Access	weekday	107	Long & Fish lakes
15	1	Resident	weekend/holiday	140	
16	1	Private Access	weekend/holiday	104	
17	1	Public Access	weekend/holiday	104	
18	2-PA	Resident	weekend/holiday	139	
19	2-PA	Private Access	weekend/holiday	92	
20	2-PA	Public Access	weekend/holiday	103	
21	3-PA	Resident	weekend/holiday	124	
22	3-PA	Private Access	weekend/holiday	100	
23	3-PA	Public Access	weekend/holiday	102	
24	3-no PA	Resident	weekend/holiday	14	Netta & Sunrise lakes
25	River	Private Access	weekend/holiday	101	
26	River	Public Access	weekend/holiday	100	
27	PA only	Resident	weekend/holiday	24	Long & Fish lakes
28	PA only	Public Access	weekend/holiday	100	Long & Fish lakes
TOTAL STRATA = 28		TOTAL SURVEYS =		2696	

**Table 22: Survey Results by Strata**

#### IV. CONCLUSIONS & RECOMMENDATIONS

There were several lessons learned as part of this project. Two of the contractor suggestions proved to be unfeasible. The goal of using a video camera for recording the boat counts did not work. A standard video camera was used however, the plane movement resulted in the camera vibrating and the results were not clear enough to determine boating activity. Unless an expensive video camera with some kind of stabilizing device is used, it is not recommended that video be used. Another method that was tried was to obtain telephone numbers from boaters at the public and private/marina

accesses for the purpose of telephoning the boater later to complete the questionnaire. This would provide for more deliberate answers to some of the questions. It was soon found that boaters were very reluctant to give their name and/or telephone number. This idea was abandoned.

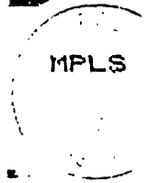
It is not necessary to use a seaplane to accomplish the boat counts. A seaplane costs approximately twice as much to rent per hour as a regular wheeled airplane. The wheeled airplane is sufficient to accomplish the counts and take the photographs. It is recommended that the marinas be queried as to whether the surveys could be mailed to their membership or mailing lists directly, rather than using the face to face technique employed for this project. The private/marina interviews were the most difficult to complete. Although the interviewers were very cooperative and blended into the background, there is a feeling that the customers are being bothered to complete the interview. Another method that could be used is to collect boat numbers in the early summer and then cross check the numbers with the DNR boating registration and mail the survey to the boaters.

The response from the Metro Lakes boaters was outstanding. The mailout return rate was well over the projected 50%. One of the reasons for this may be—actual self addressed stamped envelopes were used for residents to return the survey instruments rather than a postage code. This appears more expensive because the postage is paid whether the resident returns the instrument or not, but it contributes to a better return rate. Residents commented on this during the telephone part of the survey. It was helpful to have the interviewers wear official looking hats and shirts.

Except for the private/marina access surveys, the boating public were very cooperative. The private access and marina operators, owners, and managers were very helpful. They suggested the best times to conduct interviews and requested other times when they knew interviewers were not welcome. Most boaters were interested in the survey, glad to participate, and interested in the results. This was probably the best reason for the great response—the public is interested in the DNR programs.

MAILOUT  
POSTCARD  
ATTACHMENT A

DNR 1996 Metro Boating Study  
855 Village Center Dr, #174  
Saint Paul, MN 55127



1007

DNR 1996 Metro Boating Study  
855 Village Center Dr, #174  
Saint Paul, MN 55127



1. Is there lake frontage or lake access rights on this property? (CHECK ONE)

yes       no

If you answered no, then do not complete the remainder of this postcard. Return it by mail today. Thank you.

2. Which of these statements best describes you? (CHECK ONE)

I own this residence  
 A relative or friend owns this residence  
 I/We rent this property

3. How many boats from this household were being used on the lake that fronts your property during any part of the period: 8/8/96 5-7pm (CHECK ONE)

none       one       two       three or more

THANK YOU VERY MUCH!

RESIDENT  
MAILOUT  
SURVEY

ATTACHMENT B

Your immediate cooperation in completing the survey form will assure the most accurate responses to each question. Please complete the survey form today. **WE HAVE ESTIMATED THE TIME TO COMPLETE THIS FORM AS 15 MINUTES.**

1. Is there lake frontage or lake access rights on this property? (CHECK ONE)

yes  no

If you answered no, then do not complete the form. Place it in the postage paid envelope and return it today. Thank you.

2. Which of these statements best describes you? (CHECK ONE)

I own this residence  
 A relative or friend owns this residence  
 I/We rent this property

3. How many years have you been boating on this lake? \_\_\_\_\_ years

4. When was the last time you used a boat on this lake? \_\_\_\_\_ month/day/year

THE NEXT SET OF QUESTIONS ARE ABOUT YOUR BOATING EXPERIENCE ON THAT DAY IN QUESTION #4.

5. Did you yourself operate the boat for any of the time on that day? (CHECK ONE)

yes  no

6. How many people, including yourself were in your boat that day? \_\_\_\_\_ people

7. What time/day did you leave from shore? \_\_\_\_\_ AM/PM

8. What time did you return to shore? \_\_\_\_\_ AM/PM

9. What was your group's primary activity on the lake that day? (CHECK ONE)

fishing  sailing  
 boat ride  water skiing  
 canoeing  transportation to/from (specify) \_\_\_\_\_

10. While you were boating that day, did you pull your boat up on the beach? CHECK ONE)

yes  no

11. While you were boating that day, did you anchor or tie up with other boats into a raft? (CHECK ONE)

yes  no

12. What type of boat did you use that day? (CHECK ONE)

Cruiser                       Runabout                       Pontoon  
 Fishing                       Sailboat                       Canoe/Kayak  
 Jetski                       Other (specify): \_\_\_\_\_

13. What is the length of that boat? \_\_\_\_\_ feet

14. What type motor does that boat have? (CHECK ONE TYPE, FILL IN HORSEPOWER FOR GAS MOTOR)

TYPE:  gas (\_\_\_\_\_ horsepower)  electric  no motor  don't know

15. What type of second motor (if applicable) does that boat have? (CHECK ONE TYPE, FILL IN HORSEPOWER FOR GAS MOTOR)

TYPE:  gas (\_\_\_\_\_ horsepower)  electric  no motor  don't know

16. Which of the following do you have on your boat? (CHECK ALL THAT APPLY)

fire extinguisher                       horn                       none  
 lights                       visual signal (flag, flare gun)                       don't know

17. Overall, how satisfied or dissatisfied were you with your boating experience on that day? (CHECK ONE)

very satisfied  satisfied  dissatisfied  very dissatisfied  don't know/not sure

18. Which of the following beverages did you have with you on the boat that day? (CHECK ALL THAT APPLY)

soft drinks                       beer                       other nonalcoholic  
 none                       coffee/tea/water                       other alcoholic  
 wine                       refused to answer                       don't know/not sure

19. While you were on the lake that day, did you see an enforcement officer? (CHECK ONE)

yes                       no                       don't know/not sure

20. Were you checked by an enforcement officer that day? (CHECK ONE)  yes  no

21. On this last boating trip, did you travel through any parts of the lake where you thought there were too many boats? (CHECK ONE)

yes                       no                       don't know/not sure

22. How does the number of boats you encountered on this last boating trip compare to the number of boats you have seen on other trips on this same part of the lake/river? (CHECK ONE)

- substantially fewer       slightly fewer       don't know/not sure  
 about the same       slightly more  
 substantially more       haven't boated here before this trip

23. From a safety standpoint, how did you feel about the number of boats on the lake on your last boating trip? (CHECK ONE)

- about right     crowded     far too crowded     few boats here     don't know/not sure

24. Again, from a safety standpoint, how do you feel about the number of boats that are "usually" on this lake? (CHECK ONE)

- about right     crowded     far too crowded     few boats here     don't know/not sure

25. Would you boat again if you knew there were going to be about the same number of boats as on your last trip? (CHECK ONE)

- yes       no       don't know/not sure

26. Based on your experience that day, how much of a problem is each of the following on this lake? (MARK ONE OF THE BOXES FOR EACH OF THE NUMBERED ITEMS)

		not a problem	slight problem	moderate problem	serious problem	very serious problem	don't know
1.	careless or inconsiderate operation of boats	NAP	SLP	MDP	SEP	VSP	DKN
2.	boat operators who have been drinking too much	NAP	SLP	MDP	SEP	VSP	DKN
3.	the amount of noise on the lake	NAP	SLP	MDP	SEP	VSP	DKN
4.	near miss or collision	NAP	SLP	MDP	SEP	VSP	DKN
5.	high wakes	NAP	SLP	MDP	SEP	VSP	DKN
6.	use of personal watercraft (jet skis)	NAP	SLP	MDP	SEP	VSP	DKN
7.	overloaded boats	NAP	SLP	MDP	SEP	VSP	DKN
8.	large boats (boats over 24 feet)	NAP	SLP	MDP	SEP	VSP	DKN
9.	boats operating too fast, too close to shore/docks	NAP	SLP	MDP	SEP	VSP	DKN
10.	boats not yielding the right-of-way	NAP	SLP	MDP	SEP	VSP	DKN
11.	excessive speed in channels and crowded areas	NAP	SLP	MDP	SEP	VSP	DKN
12.	excessive speed in open water	NAP	SLP	MDP	SEP	VSP	DKN
13.	presence of Eurasian milfoil	NAP	SLP	MDP	SEP	VSP	DKN
14.	presence of Zebra Mussels	NAP	SLP	MDP	SEP	VSP	DKN

NOW WE HAVE SOME QUESTIONS ABOUT BOATING SAFETY

27. Have you taken a formal course in boating safety? (CHECK ONE)

yes                       no                       don't know/not sure

28. What special boating restrictions are there for this lake? (CHECK ALL THAT APPLY)

<input type="checkbox"/> none	<input type="checkbox"/> speed restrictions/quiet waters
<input type="checkbox"/> horsepower restrictions	<input type="checkbox"/> time restrictions
<input type="checkbox"/> boat type and size restrictions	<input type="checkbox"/> area of lake restrictions
<input type="checkbox"/> requirement to remove Eurasian milfoil & zebra mussels from boat & trailer before leaving water body	<input type="checkbox"/> don't know/not sure
	<input type="checkbox"/> other (please describe) _____

29. Overall, how do these restrictions affect your enjoyment of the lake? (CHECK ONE)

add to enjoyment     detract from enjoyment     neutral with respect to enjoyment

30. What special boating restrictions are needed for this lake? (CHECK ALL THAT APPLY)

<input type="checkbox"/> none	<input type="checkbox"/> speed restrictions/quiet waters
<input type="checkbox"/> horsepower restrictions	<input type="checkbox"/> time restrictions
<input type="checkbox"/> boat type and size restrictions	<input type="checkbox"/> area of lake restrictions
<input type="checkbox"/> requirement to remove Eurasian milfoil & zebra mussels from boat & trailer before leaving water body	<input type="checkbox"/> don't know/not sure
<input type="checkbox"/> more enforcement of existing boating rules & regulations	<input type="checkbox"/> other (please describe) _____

31. Are there sufficient opportunities on the lake to: (CHECK THE APPROPRIATE RESPONSE FOR EACH QUESTION)

a. Beach your boat:                       yes     no     don't know/not sure

b. Anchor or tie up with other  
boats into a raft:                       yes     no     don't know/not sure

c. Use picnic areas or toilets  
at a public lakeshore wayside:     yes     no     don't know/not sure

d. Use restaurants:                       yes     no     don't know/not sure

e. Purchase gasoline:                       yes     no     don't know/not sure

**NOW SOME QUESTIONS ON THE PREVENTION OF THE SPREAD OF EXOTIC SPECIES**

32. How effective would each of the following be in getting you to take steps to prevent further spread of exotic species, such as Eurasian watermilfoil and zebra mussels? (MARK ONE OF THE BOXES FOR EACH OF THE NUMBERED ITEMS)

		very effective	moderately effective	slightly effective	not effective	don't know
1.	billboards	VE	ME	SE	NE	DK
2.	radio coverage/messages	VE	ME	SE	NE	DK
3.	TV coverage/messages	VE	ME	SE	NE	DK
4.	brochures and fact sheets handed out to boaters and anglers	VE	ME	SE	NE	DK
5.	laws that make it illegal to transport exotic species	VE	ME	SE	NE	DK
6.	road checks to enforce the laws	VE	ME	SE	NE	DK
7.	signs at boat landings	VE	ME	SE	NE	DK
8.	inspection-education programs at boat launches	VE	ME	SE	NE	DK
9.	articles in newsletters and magazines	VE	ME	SE	NE	DK
10	information included in fishing and boating regulations and pamphlets	VE	ME	SE	NE	DK

33. After removing boats from a lake or stream, how often do you do any of the following? (MARK ONE OF THE BOXES FOR EACH OF THE NUMBERED ITEMS)

		almost always	sometimes	never	does not apply	don't know
1.	conduct visual inspection of boats and equipment	AA	ST	NV	NA	DK
2.	clean vegetation or mussels from boat and equipment	AA	ST	NV	NA	DK
3.	drain water from boats, including live wells, bilge, and bait containers before going to another lake or river	AA	ST	NV	NA	DK
4.	dispose of leftover bait minnows on shore	AA	ST	NV	NA	DK
5.	flush motor's cooling system with clean water	AA	ST	NV	NA	DK
6.	before launching in a different waterbody, do you allow boats to dry for 5 days?	AA	ST	NV	NA	DK
7.	before launching in a different waterbody, do you rinse boats with hot or high pressure water?	AA	ST	NV	NA	DK



PUBLIC  
ACCESS  
SURVEY

ATTACHMENT C

Minnesota DNR 1996 Metro Lake & River  
Public Access Interview & Survey

Date	Time	Interviewer	Lake/River
Access Name		Comments	
Boat type	Cruiser = 1	Runabout = 2	Number of occupants
Fishing = 3	Sailboat = 4	Pontoon = 5	adults teenagers children
Canoe/Kayak = 6	Jetski = 7	Other = 8	Number wearing life jackets
Other (specify):			adults teenagers children

Hello my name is \_\_\_\_\_, we are conducting a survey for the Department of Natural Resources involving boating access, exotic species, and boating safety, can you take a few minutes and answer some questions.

Where did you launch your boat?	here at this access	1	another public access	2	private access	3
DO NOT READ RESPONSES	marina	4	other	5	specify	

Where did you park?	in lot at this access	1	street	2	friend's home	3
DO NOT READ RESPONSES	another lot	4	at your home	5	other	6

IF THEY DID NOT PARK IN LOT, THEN NEXT QUESTION

How far away is that? (1/4 mile increments)		specify:
---	--	----------

What time did you launch?	AM	PM	Evening	Overnight	Day
---------------------------	----	----	---------	-----------	-----

That means you were on the lake/river about _____ hours. Is that correct?	yes	no
---	-----	----

How many of those hours were spent on shore or tied up at a dock?	
---	--

What was your group's primary activity on the lake/river today?	CIRCLE ONLY ONE				
fishing = 1	sailing = 3	boat ride = 5			
water skiing = 2	canoeing = 4	transportation to/from = 6	(specify)		

While you were boating today, did you pull your boat up on the beach?	yes	1	no	2	
While you were boating today, did you anchor or tie up with other boats into a raft?	yes	1	no	2	
Are there sufficient opportunities on the lake/river to:					
Beach your boat:	yes	1	no	2	don't know 9
Anchor or tie up with other boats into a raft:	yes	1	no	2	don't know 9
Use picnic areas or toilets at a public lakeshore wayside:	yes	1	no	2	don't know 9
Use restaurants:	yes	1	no	2	don't know 9
Purchase gasoline:	yes	1	no	2	don't know 9

What is the length of your boat?	feet		
What size motor do you have?	horsepower	gas 0 electric 1 no motor 2 don't know 9	
What size #2 motor do you have?	horsepower	gas 0 electric 1 no motor 2 don't know 9	
Which of the following do you have on your boat?	fire extinguisher = 1	horn = 2	lights = 3
READ LIST, MARK ALL MENTIONED	visual signal (flag, flare gun) = 4	none = 5	don't know = 6

How far is your home from here?	miles	
What is your ZIP CODE at home?		

Are you the registered boat owner?	yes	1	no	2
Do you have a home or other residence on this lake/river?	yes	1	no	2

How many years have you been boating on this lake/river?	years
--	-------

<b>NOW WE HAVE SOME QUESTIONS ABOUT BOATING SAFETY</b>						
Have you taken a formal course in boating safety	yes	1	no	2	don't know/not sure	9
Did you travel through any parts of the lake/river where you thought there were too many boats?	yes	1	no	2	don't know/not sure	9

How does the number of boats you encountered on this trip compare to the number of boats you have seen on other trips on this same part of the lake/river?						
substantially fewer =	1	slightly fewer =	2	about the same =	3	
slightly more =	4	substantially more =	5	haven't boated here before this trip =	6	don't know/not sure = 9

From a safety standpoint, how did you feel about the number of boats on the lake/river today?						
about right =	1	crowded =	2	far too crowded =	3	
few boats here =	4	don't know/not sure =	9			

Again, from a safety standpoint, how do you feel about the number of boats that are "usually" on this lake?						
about right =	1	crowded =	2	far too crowded =	3	
few boats here =	4	don't know/not sure =	9			

What special boating restrictions are there for this lake/river? DO NOT READ LIST, CIRCLE ALL MENTIONED						
speed restrictions/quiet waters =	1	horsepower restrictions =	2	time restrictions =	3	none = 0
boat type and size restrictions =	4	area of lake restrictions =	5	other (specify) =	6	don't know/not sure = 9
requirement to remove Eurasian milfoil and zebra mussels from boat and trailer before leaving water body =						8

Overall, how do these restrictions affect your enjoyment of the lake/river? add to = 1 detract from = 2 neutral = 3						
What special boating restrictions do you feel are needed on this lake/river? DO NOT READ LIST, CIRCLE ALL MENTIONED						
speed restrictions/quiet waters =	1	horsepower restrictions =	2	time restrictions =	3	none = 0
boat type and size restrictions =	4	area of lake restrictions =	5	other =	6	don't know/not sure = 9
more enforcement of existing boating rules and regulations =						7
requirement to remove Eurasian milfoil and zebra mussels from boat and trailer before leaving water body =						8

Based on your experience "today", how much of a problem is each of the following on this lake/river?							
	(CHECK ONE RESPONSE FOR EACH ITEM)	not a problem	slight problem	moderate problem	serious problem	very serious problem	don't know
1.	careless or inconsiderate operation of boats	NAP	SLP	MDP	SEP	VSP	DKN
2.	boat operators who have been drinking too much	NAP	SLP	MDP	SEP	VSP	DKN
3.	the amount of noise on the lake	NAP	SLP	MDP	SEP	VSP	DKN
4.	near miss or collision	NAP	SLP	MDP	SEP	VSP	DKN
5.	high wakes	NAP	SLP	MDP	SEP	VSP	DKN
6.	use of personal watercraft (jet skis)	NAP	SLP	MDP	SEP	VSP	DKN
7.	overloaded boats	NAP	SLP	MDP	SEP	VSP	DKN
8.	large boats (over 24 feet long)	NAP	SLP	MDP	SEP	VSP	DKN
9.	boats operating too fast, too close to shore/docks	NAP	SLP	MDP	SEP	VSP	DKN
10.	boats not yielding the right-of-way	NAP	SLP	MDP	SEP	VSP	DKN
11.	excessive speed in channels and crowded areas	NAP	SLP	MDP	SEP	VSP	DKN
12.	excessive speed in open water	NAP	SLP	MDP	SEP	VSP	DKN
13.	presence of Eurasian milfoil	NAP	SLP	MDP	SEP	VSP	DKN
14.	presence of Zebra Mussels	NAP	SLP	MDP	SEP	VSP	DKN

Overall, how satisfied or dissatisfied were you with your boating experience on this trip?									
very satisfied =	1	satisfied =	2	dissatisfied =	3	very dissatisfied =	4	don't know/not sure =	9
Would you come back to this lake if you knew there were going to be about the same number of boats?	yes	1	no	2	don't know/not sure	9			
While you were on the lake, did you see an enforcement officer?	yes	1	no	2	don't know/not sure	9			
Were you checked by an enforcement officer?	yes	1	no	2					
Should all boat operators (powered & unpowered boats) be required to complete a boating safety course?	yes	1	no	2	don't know/not sure	9			

NOW A FEW QUESTIONS ABOUT THIS ACCESS									
Have you ever used this access before?									
	yes	1	no	2	don't know/not sure	9			
Have you ever tried to use a free public access on this lake/river but could not find legal parking?									
	yes	1	no	2	don't know/not sure	9			
How many times did that happen in the past 12 months? _____ times									
What did you do when you couldn't find legal parking? (DO NOT READ, CIRCLE ALL MENTIONED)									
parked illegally =	1	went to another access on this lake =	2	went to another lake =	3				
didn't boat that day =	4	not applicable =	5	other (specify) =	6				

How would you rate this access for launching and landing a boat? (CHECK ONE)									
excellent =	1	good =	2	poor =	3	very poor =	4	don't know/not sure =	9

Did you have any particular problems using this access today?									
	yes	1	no	2	don't know/not sure	9			
(IF YES, ASK) What was the problem? (DO NOT READ LIST, CIRCLE ALL THAT ARE MENTIONED)									
not enough parking spaces =	1	not enough maneuvering room on land near ramp for launch/landing =	2						
water too shallow =	3	not enough maneuvering room on water near ramp for launch/landing =	4						
no dock =	5	ramp blocked by parked cars, campers, etc. =	6						
inadequate directional signs to access =	7	safety of entry to access area from road or highway =	8						
ramp not maintained =	9	insufficient number of launch lanes/ramps =	10						
other (specify) =	11								

Which of the following improvements do you feel are needed at this launch site? (READ EACH SELECTION & MARK A RESPONSE FOR EACH ONE)									
better directional signs to access =	1	trash pickup =	2						
better information signs at access =	3	toilets =	4						
a dock to ease launching =	5	toilet maintenance (if applicable) =	6						
better lighting of access/parking area =	7	more launch lanes/ramps =	8						
beacon light visible from lake =	9	better enforcement =	10						
launch assistant/site manager =	11	anything else you feel is needed? (specify) =	12						
trash containers =	13								

**NOW SOME QUESTIONS ABOUT EURASIAN MILFOIL AND ZEBRA MUSSELS**

How effective would each of the following be in getting you to take steps to prevent further spread of exotic species, such as Eurasian watermilfoil and zebra mussels? (CIRCLE ONE RESPONSE FOR EACH ITEM)

		very effective	moderately effective	slightly effective	not effective	don't know
1.	billboards	VE	ME	SE	NE	DK
2.	radio coverage/messages	VE	ME	SE	NE	DK
3.	TV coverage/messages	VE	ME	SE	NE	DK
4.	brochures and fact sheets handed out to boaters and anglers	VE	ME	SE	NE	DK
5.	laws that make it illegal to transport exotic species	VE	ME	SE	NE	DK
6.	road checks to enforce the laws	VE	ME	SE	NE	DK
7.	signs at boat landings	VE	ME	SE	NE	DK
8.	inspection-education programs at boat launches	VE	ME	SE	NE	DK
9.	articles in newsletters and magazines	VE	ME	SE	NE	DK
10.	information included in fishing and boating regulations and pamphlets	VE	ME	SE	NE	DK

After removing boats from a lake or stream, how often do you do any of the following?

(CIRCLE ONE RESPONSE FOR EACH ITEM)

		almost always	some-times	never	does not apply	don't know
1.	conduct visual inspection of boats and equipment	AA	ST	NV	NA	DK
2.	clean vegetation or mussels from boat and equipment	AA	ST	NV	NA	DK
3.	drain water from boats, including live wells, bilge, and bait containers before going to another lake or river	AA	ST	NV	NA	DK
4.	dispose of leftover bait minnows on shore	AA	ST	NV	NA	DK
5.	flush motor's cooling system with clean water	AA	ST	NV	NA	DK
6.	before launching in a different waterbody, do you allow boats to dry for 5 days?	AA	ST	NV	NA	DK
7.	before launching in a different waterbody, do you rinse boats with hot or high pressure water?	AA	ST	NV	NA	DK

**JUST A FEW FINAL QUESTIONS**

What type of radio station do you primarily listen to? (DO NOT READ LIST, CIRCLE ONE)

classical =	1	country =	2	easy listening-lite =	3	jazz =	4
rock & roll =	5	talk =	6	sports =	7	other (specify) =	9
Do you have a home computer connected to an on-line service or the internet?	yes	1	no	2	don't know/not sure	9	
Do you have a home computer with a CD-ROM drive?	yes	1	no	2	don't know/not sure	9	

Which of the beverages on the white card did you have with you on the boat today? Just give me the letters.

(CIRCLE ALL MENTIONED)

soft drinks =	A-1	beer =	D-4	none =	G-7
coffee/tea/water =	B-2	wine =	E-5	refused to answer =	H-8
other nonalcoholic =	C-3	other alcoholic =	F-6	don't know/not sure =	I-9

Which category on the blue card best describes your total household income before taxes last year. Please give me the letter (CIRCLE ONE LETTER)

less than \$20,000 =	A-1	\$40,000-\$49,999 =	D-4	\$100,000 or more =	G-7
\$20,000-\$29,999 =	B-2	\$50,000-\$74,999 =	E-5	refused to answer =	H-8
\$30,000-\$39,999 =	C-3	\$75,000-\$99,999 =	F-6	don't know/not sure =	I-9

PRIVATE/MARINA  
ACCESS  
SURVEY

ATTACHMENT D

Minnesota DNR 1996 Metro Lake & River  
Private Access Interview & Survey

Date	Time	Interviewer	Lake/River
Private Access Name			Comments
Boat type	Cruiser = 1	Runabout = 2	Number of occupants
Fishing = 3	Sailboat = 4	Pontoon = 5	adults teenagers children
Canoe/Kayak = 6	Jetski = 7	Other = 8	Number wearing life jackets
Other (specify):			adults teenagers children

Hello my name is \_\_\_\_\_, we are conducting a survey for the Department of Natural Resources involving boating access, exotic species, and boating safety, can you take a few minutes and answer some questions.

Where did you launch your boat?	here at this marina	1	public access	2	private access	3
DO NOT READ RESPONSES	another marina	4	other	5	specify	

What time did you launch?	AM	PM	Evening	Overnight	Day
---------------------------	----	----	---------	-----------	-----

That means you were on the lake/river about _____ hours. Is that correct?	yes	no
---	-----	----

How many of those hours were spent on shore or tied up at a dock?
---

What was your group's primary activity on the lake today?	CIRCLE ONLY ONE					
fishing = 1	sailing = 3	boat ride = 5				
water skiing = 2	canoeing = 4	transportation to/from = 6	(specify)			

While you were boating today, did you pull your boat up on the beach?	yes	1	no	2	
While you were boating today, did you anchor or tie up with other boats into a raft?	yes	1	no	2	
Are there sufficient opportunities on the lake/river to:					
Beach your boat:	yes	1	no	2	don't know 9
Anchor or tie up with other boats into a raft:	yes	1	no	2	don't know 9
Use picnic areas or toilets at a public lakeshore wayside:	yes	1	no	2	don't know 9
Use restaurants:	yes	1	no	2	don't know 9
Purchase gasoline:	yes	1	no	2	don't know 9

What is the length of your boat?	feet
What size motor do you have?	horsepower gas 0 electric 1 no motor 2 don't know 9
What size #2 motor do you have?	horsepower gas 0 electric 1 no motor 2 don't know 9
Which of the following do you have on your boat?	fire extinguisher = 1 horn = 2 lights = 3
READ LIST	visual signal (flag, flare gun) = 4 none = 5 don't know = 6

How far is your home from here?	miles
What is your ZIP CODE at home?	

Are you the registered boat owner?	yes	1	no	2
Do you have a home or other residence on this lake/river?	yes	1	no	2

How many years have you been boating on this lake/river?	years
--	-------

NOW WE HAVE SOME QUESTIONS ABOUT BOATING SAFETY					
Have you taken a formal course in boating safety	yes	1	no	2	don't know/not sure 9
Did you travel through any parts of the lake/river where you thought there were too many boats?	yes	1	no	2	don't know/not sure 9

**NOW SOME QUESTIONS ABOUT EURASIAN MILFOIL AND ZEBRA MUSSELS**

How effective would each of the following be in getting you to take steps to prevent further spread of exotic species, such as Eurasian watermilfoil and zebra mussels? (CIRCLE ONE RESPONSE FOR EACH ITEM)

		very effective	moderately effective	slightly effective	not effective	don't know
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3.	TV coverage/messages	VE	ME	SE	NE	DK
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5.	laws that make it illegal to transport exotic species	VE	ME	SE	NE	DK
6.	road checks to enforce the laws	VE	ME	SE	NE	DK
7.	signs at boat landings	VE	ME	SE	NE	DK
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After removing boats from a lake or stream, how often do you do any of the following? (CIRCLE ONE RESPONSE FOR EACH ITEM)

		almost always	some-times	never	does not apply	don't know
1.	conduct visual inspection of boats and equipment	AA	ST	NV	NA	DK
2.	clean vegetation or mussels from boat and equipment	AA	ST	NV	NA	DK
3.	drain water from boats, including live wells, bilge, and bait containers before going to another lake or river	AA	ST	NV	NA	DK
4.	dispose of leftover bait minnows on shore	AA	ST	NV	NA	DK
5.	flush motor's cooling system with clean water	AA	ST	NV	NA	DK
6.	before launching in a different waterbody, do you allow boats to dry for 5 days?	AA	ST	NV	NA	DK
7.	before launching in a different waterbody, do you rinse boats with hot or high pressure water?	AA	ST	NV	NA	DK

**JUST A FEW FINAL QUESTIONS**

What type of radio station do you primarily listen to? (DO NOT READ LIST, CIRCLE ONE)

classical =	1	country =	2	easy listening-lite =	3	jazz =	4
rock & roll =	5	talk =	6	sports =	7	other (specify) =	9
Do you have a home computer connected to an on-line service or the internet?	yes	1	no	2	don't know/not sure	9	
Do you have a home computer with a CD-ROM drive?	yes	1	no	2	don't know/not sure	9	

Which of the beverages on the white card did you have with you on the boat today? Just give me the letters. (CIRCLE ALL MENTIONED)

soft drinks =	A-1	beer =	D-4	none =	G-7
coffee/tea/water =	B-2	wine =	E-5	refused to answer =	H-8
other nonalcoholic =	C-3	other alcoholic =	F-6	don't know/not sure =	I-9

Which category on the blue card best describes your total household income before taxes last year. Please give me the letter (CIRCLE ONE LETTER)

less than \$20,000 =	A-1	\$40,000-\$49,999 =	D-4	\$100,000 or more =	G-7
\$20,000-\$29,999 =	B-2	\$50,000-\$74,999 =	E-5	refused to answer =	H-8
\$30,000-\$39,999 =	C-3	\$75,000-\$99,999 =	F-6	don't know/not sure =	I-9

DNR COVER  
LETTERS FOR  
POSTCARDS  
& SURVEYS

ATTACHMENT E



## Minnesota Department of Natural Resources

500 Lafayette Road  
St. Paul, Minnesota 55155-40\_\_

Dear Lakeshore Resident,

We are conducting a study concerning boating opportunities, boating safety, and exotic species on the lake that fronts your property. A major portion of the study involves determining the number of boats used on this lake and where they originate. We are conducting aerial boat counts of 26 lakes in the Twin Cities Metropolitan Area on selected weekends and weekdays this summer. To complete the study and provide an accurate assessment of boating use, we need your help by completing the postage paid post card.

The Department of Natural Resources makes many decisions that affects these issues. When making these decisions, we want to be sure we have accurate data.

Please complete and return the postage paid postcard provided—it will take only 1 minute. Your answers are strictly confidential and will never be associated with your name. Your name was selected from among lakeshore residents in the Greater Twin Cities Metropolitan Area.

The survey is being administered, under contract, by ThomTech Design Company of Saint Paul.

If you have any questions on this survey, call me at 296-4892.

Thank you for your help.

A handwritten signature in black ink that reads 'Tim Kelly'.

Tim Kelly  
Project Manager

DNR Information: 612-296-6157, 1-800-766-6000 • TTY: 612-296-5484, 1-800-657-3929

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## Minnesota Department of Natural Resources

500 Lafayette Road  
St. Paul, Minnesota 55155-40\_\_

Dear Lakeshore Resident,

**We want your opinion** on issues concerning boating opportunities, boating safety, and exotic species on the lake that fronts your property. The Department of Natural Resources makes many decisions that affects these issues. When making these decisions, we want to be sure we understand what you think.

Please complete and return this questionnaire in the stamped envelope provided—it will take only 15 minutes. Your answers are strictly confidential and will never be associated with your name. Your name was selected from among lakeshore residents in the Greater Twin Cities Metropolitan Area.

The survey is being administered, under contract, by ThomTech Design Company of Saint Paul.

If you have any questions on this survey, call me at 296-4892.

Thank you for your help.

A handwritten signature in black ink that reads "Tim Kelly".

Tim Kelly  
Project Manager





## Minnesota Department of Natural Resources

500 Lafayette Road  
St. Paul, Minnesota 55155-40\_\_

Dear Lakeshore Resident,

About three weeks ago, we sent you a questionnaire on issues concerning boating opportunities, boating safety, and exotic species on the lake that fronts your property. We have received many valuable responses to our survey, but we have missed hearing from you.

**We want your opinion on these issues.** The Department of Natural Resources makes many decisions that affects boating opportunities, boating safety, and exotic species. When making these decisions, we want to be sure we understand what you think.

Please complete and return this questionnaire in the stamped envelope provided—it will take only 15 minutes. Your answers are strictly confidential and will never be associated with your name. Your name was selected from among lakeshore residents in the Greater Twin Cities Metropolitan Area.

The survey is being administered, under contract, by ThomTech Design Company of Saint Paul.

If you have any questions on this survey, call me at 296-4892.

Thank you for your help.

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Tim Kelly  
Project Manager



1. FACE TO FACE INTERVIEW  
SCHEDULE PUBLIC ACCESS
2. FACE TO FACE INTERVIEW  
SCHEDULE MARINA/PRIVATE ACCESS
3. AERIAL BOAT COUNT
4. AERIAL VEHICLE COUNT

## WORKSHEETS

PAGE 1		Weekday(WD), Weekend(WE), Holiday (HOL)				HOL	WD	WE	WD	WE	WD	WE	WD	WE	WD	WE	WD	HOL	WE	WD	WE	WD		
seq	DOW	Name of Lake	guide	# of		May	May	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jul	Jul	Jul	Jul	Jul	Jul			
#	Number	or River	code	cat.	surveys	25-26	28-31	1-2	3-7	8-9	10-14	15-16	17-21	22-23	24-28	29-30	1-3,5	4	6-7	8-12	13-14	15-19		
1	100009	Minnewashta	C19	1	26							13												
	100009	Minnewashta	C23	1	24				12															
2	700026/72	L&U Prior	S11	1	26													13						
	700026/72	L&U Prior	S7	1	24									12										
3	820052	Big Marine	W2	1	26																			
	820052	Big Marine	W3	1	24												12					12		
4	820167	White Bear	R12	1	26												13							
	820167	White Bear	R13	1	24								12											
TOTAL FOR CATEGORY 1, PUBLIC ACCESS					200																			
5	270031	Calhoun	H3	2-PA	26	13																		
6	270019	Nokomis	H21	2-PA	28								14									14		
7	270067	Bryant	H1	2-PA	26																			
8	270111	Eagle	H30	2-PA	26												13					13		
9	620078	Johanna	R3	2-PA	26													13					13	
10	620056	Owasso	R9	2-PA	14																	7		
11	620057	Josephine	R5	2-PA	14																	7		
12	270137	Christmas	H42	2-PA	14										7									
13	620061	Turtle	R17	2-PA	26									13										
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS					200																			
14	820049	Big Carnelian	W1	3-PA	20																	10		
15	20026	Centerville	A1	3-PA	20					10														
16	820159	Forest	W6	3-PA	14		7																	
	820159	Forest	W7	3-PA	6																			
	820159	Forest	W12	3-PA	6				6															
17	20026	Linwood	A18	3-PA	14																	7		
18	190026	Marion	D4	3-PA	20	10																	10	
19	100059	Waconia	C18	3-PA	20		10																	
20	820163	Clear	W20	3-PA	20			10																
22	700120	Thole	S10	3-PA	14						7													
23	130012/28	Chisago/S. Lindstrom	Chisago	3-PA	20											10								
24	130041	Green	Chisago	3-PA	14										7									
	130041	Green	Chisago	3-PA	6																			
26	130053	Comfort	Chisago	3-PA	6											6								
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS					200																			
27	270160	Long	H8	PA only	100	12			14					12							12			
28	700069	Fish	S3	PA only	100			12			14		12			12								
TOTAL FOR CATEGORY PA-only, PUBLIC ACCESS					200																			
29	River	Mississippi	H20	River	10																10			
	River	Mississippi	H16	River	10																			
	River	Mississippi	H19	River	10																			
	River	Mississippi	A20	River	10	10																		
	River	Mississippi	H17	River	10										10									
	River	Mississippi	H44	River	20			10															10	
	River	Mississippi	R8	River	20				10															
	River	Mississippi	D12	River	20					10														
	River	Mississippi	R7	River	20																	10		
	River	Mississippi	D13	River	20											10								
	River	Mississippi	W22	River	10				10															
	River	Mississippi	D9	River	10																			
30	River	Saint Croix	W17	River	20							10												
TOTAL FOR CATEGORY RIVER, PUBLIC ACCESS					190																			
TOTAL FOR PUBLIC ACCESS						45	17	38	46	10	31	23	38	37	30	45	25	26	29	34	39	33		

PAGE 2		Weekday(WD), Weekend(WE), Holiday (HOL)				WE	WD	WE	WD	WE	WD	WE	WD	WE	WD	WE	WD	HOL	comments & total	
seq #	DOW Number	Name of Lake or River	guide code	cat.	# of surveys	Jul 20-21	Jul 22-26	Jul 27-28	Jul 29-2	Aug 3-4	Aug 5-9	Aug 10-11	Aug 12-16	Aug 17-18	Aug 19-23	Aug 24-25	Aug 26-30	Sep 31-2		
1	100009	Minnewashta	C19	1	26								13							
	100009	Minnewashta	C23	1	24	12														
2	700026/72	L&U Prior	S11	1	26				13											
	700026/72	L&U Prior	S7	1	24								12							
3	820052	Big Marine	W2	1	26								13					13		
	820052	Big Marine	W3	1	24															
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7	270067	Bryant	H1	2-PA	26	13											13			
8	270111	Eagle	H30	2-PA	26															
9	620078	Johanna	R3	2-PA	26															
10	620056	Owasso	R9	2-PA	14					7										
11	620057	Josephine	R5	2-PA	14						7									
12	270137	Christmas	H42	2-PA	14			7												
13	620061	Turtle	R17	2-PA	26												13			
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS					200															
14	820049	Big Carnelian	W1	3-PA	20			10												
15	20026	Centerville	A1	3-PA	20								10							
16	820159	Forest	W6	3-PA	14					7										
	820159	Forest	W7	3-PA	6												6			
	820159	Forest	W12	3-PA	6															
17	20026	Linwood	A18	3-PA	14												7			
18	190026	Marion	D4	3-PA	20															
19	100059	Waconia	C18	3-PA	20												10			
20	820163	Clear	W20	3-PA	20		10													
22	700120	Thole	S10	3-PA	14								7							
23	130012/28	Chisago/S. Lindstrom	Chisago	3-PA	20		10													
24	130041	Green	Chisago	3-PA	14								7							
	130041	Green	Chisago	3-PA	6														6	
26	130053	Comfort	Chisago	3-PA	6															
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS					200															
27	270160	Long	H8	PA only	100		14			12			12			12				
28	700069	Fish	S3	PA only	100	12			12				14			12				
TOTAL FOR CATEGORY PA-only, PUBLIC ACCESS					200															
29	River	Mississippi	H20	River	10															
	River	Mississippi	H16	River	10								10							
	River	Mississippi	H19	River	10															
	River	Mississippi	A20	River	10					10										
	River	Mississippi	H17	River	10															
	River	Mississippi	H44	River	20															
	River	Mississippi	R8	River	20												10			
	River	Mississippi	D12	River	20								10							
	River	Mississippi	R7	River	20														10	
	River	Mississippi	D13	River	20														10	
	River	Mississippi	W22	River	10															
	River	Mississippi	D9	River	10				10											
30	River	Saint Croix	W17	River	20								10							
TOTAL FOR CATEGORY RIVER, PUBLIC ACCESS					190															
TOTAL FOR PUBLIC ACCESS					546	37	57	29	35	36	7	34	58	26	44	39	23	29		1000

PAGE 1				HOL	WD	WE	WD	WE	WD	WE	WD	WE	WD	WE	WD	HOL	WE	WD	WE	WD		
seq			# of	May	May	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jul	Jul	Jul	Jul	Jul		
#	Marina	Waterbody	cat.	surveys	25-26	28-31	1-2	3-7	8-9	10-14	15-16	17-21	22-23	24-28	29-30	1-3,5	4	6-7	8-12	13-14	15-19	
1	White Bear Docking	White Bear Lake	1	50											13	12					13	
2	Johnson Boat Works	White Bear Lake	1	39						13							13					
3	City of White Bear	White Bear Lake	1	37											12	12						
4	Veteran's Rest Camp	Big Marine	1	24		12																
5	Prior Lake Marine	U & L Prior Lake	1	24												12						
6	Prior Lake Yacht Club	U & L Prior Lake	1	26	13																	
TOTAL FOR CATEGORY 1, PRIVATE ACCESS				200																		
7	Municipal Marina	Calhoun	2PA	100					10	10					10		10		10		10	
8	Municipal Marina	Nokomis	2PA	100	10	10						10	10	10					10			
TOTAL FOR CATEGORY 2-PA, PRIVATE ACCESS				200																		
9	Timm's Marina	Forest	3PA	50				10			10					10						
10	In-Towne Marina	Waconia	3PA	50	10					10							10				10	
11	Waconia Marina	Waconia	3PA	50							10								10			
12	TBA	Sunrise	3PA	50								10			10							
TOTAL FOR CATEGORY 3-PA, PRIVATE ACCESS				200																		
13	Dahl Marina (Boomsite)	Saint Croix River	River	10										10								
14	Wolf Marine	Saint Croix River	River	10																		
15	Rumpf's Dutch Harbor	Saint Croix River	River	10																		
16	Stillwater Yacht Club	Saint Croix River	River	10								10										
17	Port of Sunnyside Marina	Saint Croix River	River	20							10											
18	Beach House Marina	Saint Croix River	River	10																		
19	Wait's Boat Dock House	Saint Croix River	River	10										10								
20	Bayport Marina	Saint Croix River	River	10					10	10												
21	Afton Marine	Saint Croix River	River	10																		
22	Windmill Marina	Saint Croix River	River	20												10						
23	Watergate Marina	Mississippi River	River	20													10					
24	Saint Paul Yacht Club	Mississippi River	River	10		10															10	
25	Willie's Hidden Harbor	Mississippi River	River	10			10															
26	King's Cove Marina	Mississippi River	River	10																		
27	Hasting's Marine, Inc.	Mississippi River	River	20				10														
TOTAL FOR CATEGORY RIVER, PRIVATE ACCESS				190																		
TOTAL FOR PRIVATE ACCESS					33	32	10	20	20	33	30	30	20	20	45	56	33	10	30	23	20	

PAGE 2				WE	WD	WE	WD	WE	WD	WE	WD	WE	WD	WE	WD	HOL			
seq	Marina	Waterbody	cat.	# of	Jul	Jul	Jul	Jul	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Sep	comments &	
#				surveys	20-21	22-26	27-28	29-2	3-4	5-9	10-11	12-16	17-18	19-23	24-25	26-30	31-2	total	
1	White Bear Docking	White Bear Lake	1	50						13									
2	Johnson Boat Works	White Bear Lake	1	39					12		13								
3	City of White Bear	White Bear Lake	1	37				12											
4	TBA	Big Marine	1	24									12						
5	Prior Lake Marine	U & L Prior Lake	1	24							12								
6	Prior Lake Yacht Club	U & L Prior Lake	1	26										13					
TOTAL FOR CATEGORY 1, PRIVATE ACCESS				200															
7	Municipal Marina	Calhoun	2PA	100		10				10			10		10				
8	Municipal Marina	Nokomis	2PA	100						10	10		10					10	
TOTAL FOR CATEGORY 2-PA, PRIVATE ACCESS				200															
9	Timm's Marina	Forest	3PA	50		10			10										
10	In-Towne Marina	Waconia	3PA	50									10						
11	Waconia Marina	Waconia	3PA	50	10			10				10							
12	TBA	Sunrise	3PA	50					10		10				10				
TOTAL FOR CATEGORY 3-PA, PRIVATE ACCESS				200															
13	Dahl Marina (Boomsite)	Saint Croix River	River	10						10									
14	Wolf Marine	Saint Croix River	River	10											10				
15	Rumpf's Dutch Harbor	Saint Croix River	River	10															
16	Stillwater Yacht Club	Saint Croix River	River	10															
17	Port of Sunnyside Marina	Saint Croix River	River	20													10		
18	Beach House Marina	Saint Croix River	River	10			10												
19	Walt's Boat Dock House	Saint Croix River	River	10															
20	Bayport Marina	Saint Croix River	River	10															
21	Afton Marine	Saint Croix River	River	10		10													
22	Windmill Marina	Saint Croix River	River	20	10														
23	Watergate Marina	Mississippi River	River	20												10			
24	Saint Paul Yacht Club	Mississippi River	River	10															
25	Willie's Hidden Harbor	Mississippi River	River	10															
26	King's Cove Marina	Mississippi River	River	10								10							
27	Hasting's Marine, Inc.	Mississippi River	River	20														10	
TOTAL FOR CATEGORY RIVER, PRIVATE ACCESS				190															
TOTAL FOR PRIVATE ACCESS					20	30	10	22	32	43	45	20	42	23	20	20	20		800

**DNR 1996 Metro Boating Study  
November 1996**

Seq No.	DOW Number	Name of Lake or River	guide codes	parking spaces	# boating vehicles	other	comment
1	100009	Minnewashta	C19	25			
	100009	Minnewashta	C23	10			
2	700026	Lower Prior	S11	28			
	700072	Upper Prior					
	700026	Lower Prior	S7	12			
	700072	Upper Prior					
3	820052	Big Marine	W2	8			
	820052	Big Marine	W3	28			
4	820167	White Bear	R12	37			
	820167	White Bear	R13	15			
5	270031	Calhoun	H3	2+			
6	270019	Nokomis	H21	82			
7	270067	Bryant	H1	10			
8	270111	Eagle	H30	10			
9	620078	Johanna	R3	15			
10	620056	Owasso	R9	5			
11	620057	Josephine	R5	6			
12	270137	Christmas	H42	7			
13	620061	Turtle	R17	22/5			
14	820049	Big Carnelian	W1	14			
15	20026	Centerville	A1	29			
16	820159	Forest	W6	20			
	820159	Forest	W7	11			
	820159	Forest	W12	15			
17	20026	Linwood	A18	28			
18	190026	Marion	D4	40			
19	100059	Waconia	C18	40			
20	820163	Clear	W20	20			
21	20052	Netta	NONE				
22	700120	Thole	S10	15			
23	130012	Chisago &	Chisago	50			
	130028	South Lindstrom					
24	130041	Green	Chisago	12			
	130041	Green	Chisago	15-35			
25	130031	Sunrise	NONE				
26	130053	Comfort	Chisago	10			

**Table 3: Worksheet for Parking Spaces at Public Accesses**

WS-3

**DNR 1996 Metro Boating Study  
November 1996**

Seq No.	DOW Number	Name of Lake or River	cruiser	runabout	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	other	comment
1	100009	Minnewashta											
2	700026 700072	Lower Prior Upper Prior											
3	820052	Big Marine											
4	820167	White Bear											
5	270031	Calhoun											
6	270019	Nokomis											
7	270067	Bryant											
8	270111	Eagle											
9	620078	Johanna											
10	620056	Owasso											
11	620057	Josephine											
12	270137	Christmas											
13	620061	Turtle											
14	820049	Big Carnelian											
15	20026	Centerville											
16	820159	Forest											
17	20026	Linwood											
18	190026	Marion											
19	100059	Waconia											
20	820163	Clear											
21	20052	Netta											
22	700120	Thole											
23	130012 130028	Chisago & South Lindstrom											
24	130041	Green											
25	130031	Sunrise											
26	130053	Comfort											

**Table 2: Metro Boating Study Aerial Boat Count Worksheet**

## AERIAL BOAT COUNTS FOR 14 FLIGHTS

### ENCLOSURE 1

The tables in this enclosure contain the boat counts and classification for each of the flights. The first four columns list the sequence number, DOW number, lake name, and category. Column 5 provides the total boat count for each lake on that day. The next columns list the seven boat classifications followed by the classification of wake/no wake. The last two columns are total boat type (sum of the seven boat classification columns) and total wake/no wake (sum of the wake and no wake columns). These final two columns are equal to the total boat count.

Sunday, May 26, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake
1	100009	Minnewashta	1	30	0	7	21	0	1	1	0	28	2	30	30
2	700026	Lower Prior	1	10	0	5	4	0	1	0	0	6	4	10	10
	700072	Upper Prior	1	17	0	4	11	0	1	1	0	11	6	17	17
3	820052	Big Marine	1	69	0	19	45	1	2	2	0	55	14	69	69
4	820167	White Bear	1	159	0	41	59	42	2	7	8	74	85	159	159
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				285	0	76	140	43	7	11	8	174	111	285	285
5	270031	Calhoun	2-PA	12	0	1	1	10	0	0	0	8	4	12	12
6	270019	Nokomis	2-PA	6	0	0	0	4	0	2	0	6	0	6	6
7	270067	Bryant	2-PA	8	0	0	1	7	0	0	0	8	0	8	8
8	270111	Eagle	2-PA	13	0	6	4	0	2	1	0	9	4	13	13
9	620078	Johanna	2-PA	3	0	1	1	0	1	0	0	1	2	3	3
10	620056	Owasso	2-PA	10	0	4	5	0	0	1	0	8	2	10	10
11	620057	Josephine	2-PA	4	0	2	2	0	0	0	0	3	1	4	4
12	270137	Christmas	2-PA	5	0	0	5	0	0	0	0	5	0	5	5
13	620061	Turtle	2-PA	6	1	5	0	0	0	0	0	3	3	6	6
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				67	1	19	19	21	3	4	0	51	16	67	67
14	820049	Big Carmelian	3-PA	8	0	1	6	0	1	0	0	6	2	8	8
15	20026	Centerville	3-PA	12	0	1	10	0	0	0	1	10	2	12	12
16	820159	Forest	3-PA	105	0	53	44	1	4	0	3	57	48	105	105
17	20026	Linwood	3-PA	47	0	21	22	0	3	1	0	33	14	47	47
19	190026	Marion	3-PA	31	0	8	20	1	0	2	0	25	6	31	31
19	100059	Waconia	3-PA	66	0	25	38	1	0	2	0	47	19	66	66
20	820163	Clear	3-PA	27	0	12	13	0	2	0	0	16	11	27	27
21	700120	Thole	3-PA	2	0	0	2	0	0	0	0	2	0	2	2
22	130012	Chisago	3-PA	53	0	16	28	0	8	1	0	31	22	53	53
	130028	South Lindstrom	3-PA	26	0	8	15	0	1	2	0	18	8	26	26
23	130041	Green	3-PA	52	0	19	28	0	4	1	0	44	8	52	52
24	130053	Comfort	3-PA	27	0	16	11	0	0	0	0	19	8	27	27
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				456	0	180	237	3	23	9	4	308	148	456	456
25	20052	Netta	3-NPA	1	0	0	0	0	0	1	0	1	0	1	1
26	130031	Sunrise	3-NPA	23	0	6	16	0	0	1	0	21	2	23	23
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				24	0	6	16	0	0	2	0	22	2	24	24

Friday, May 31, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	total cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake
1	100009	Minnewashta	1	12	0	7	4	0	1	0	0	9	3	12	12
2	700026	Lower Prior	1	13	0	11	2	0	0	0	0	5	8	13	13
	700072	Upper Prior	1	11	0	3	7	1	0	0	0	6	5	11	11
3	820052	Big Marine	1	28	0	11	15	0	0	2	0	20	8	28	28
4	820167	White Bear	1	85	0	23	27	20	2	3	10	69	16	85	85
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				149	0	55	55	21	3	5	10	109	40	149	149
5	270031	Calhoun	2-PA	3	0	1	2	0	0	0	0	2	1	3	3
6	270019	Nokomis	2-PA	7	0	0	1	2	0	4	0	7	0	7	7
7	270067	Bryant	2-PA	8	0	2	6	0	0	0	0	6	2	8	8
8	270111	Eagle	2-PA	13	0	6	7	0	0	0	0	13	0	13	13
9	620078	Johanna	2-PA	2	0	0	2	0	0	0	0	2	0	2	2
10	620056	Owasso	2-PA	5	0	3	2	0	0	0	0	3	2	5	5
11	620057	Josephine	2-PA	1	0	1	0	0	0	0	0	1	0	1	1
12	270137	Christmas	2-PA	14	0	1	11	1	0	1	0	12	2	14	14
13	620061	Turtle	2-PA	7	0	2	5	0	0	0	0	5	2	7	7
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				60	0	16	36	3	0	5	0	51	9	60	60
14	820049	Big Carnelian	3-PA	9	0	1	6	0	0	0	2	7	2	9	9
15	20026	Centerville	3-PA	5	0	0	0	0	0	0	5	4	1	5	5
16	820159	Forest	3-PA	66	0	28	27	2	8	1	0	49	17	66	66
17	20026	Linwood	3-PA	17	0	9	8	0	0	0	0	12	5	17	17
18	190026	Marion	3-PA	12	0	6	5	0	1	0	0	9	3	12	12
19	100059	Waconia	3-PA	42	0	11	26	4	1	0	0	34	8	42	42
20	820163	Clear	3-PA	13	0	3	4	0	6	0	0	10	3	13	13
21	700120	Thole	3-PA	8	0	4	3	0	1	0	0	6	2	8	8
22	130012	Chisago	3-PA	19	0	4	10	3	2	0	0	18	1	19	19
	130028	South Lindstrom	3-PA	5	0	2	3	0	0	0	0	3	2	5	5
23	130041	Green	3-PA	17	0	7	9	0	1	0	0	12	5	17	17
24	130053	Comfort	3-PA	11	0	3	8	0	0	0	0	9	2	11	11
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				224	0	78	109	9	20	1	7	173	51	224	224
25	20052	Netta	3-NPA	0	0	0	0	0	0	0		0	0	0	0
26	130031	Sunrise	3-NPA	5	0	0	5	0	0	0		5	0	5	5
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				5	0	0	5	0	0	0		5	0	5	5

Sunday, June 9, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake	
1	100009	Minnewashta	1	62	0	27	30	1	0	2	2	40	22	62	62	
2	700026	Lower Prior	1	150	2	85	47	2	9	0	5	70	80	150	150	
	700072	Upper Prior	1	93	0	42	31	0	13	0	7	58	35	93	93	
3	820052	Big Marine	1	52	0	15	27	2	4	3	1	33	19	52	52	
4	820167	White Bear	1	223	0	82	86	36	10	4	5	140	83	223	223	
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				580	2	251	221	41	36	9	20	341	239	620	580	
5	270031	Calhoun	2-PA	16	0	4	3	8	0	1	0	13	3	16	16	
6	270019	Nokomis	2-PA	17	0	0	3	6	0	8	0	17	0	17	17	
7	270067	Bryant	2-PA	21	0	10	9	0	2	0	0	15	6	21	21	
8	270111	Eagle	2-PA	22	0	9	11	0	2	0	0	18	4	22	22	
9	620078	Johanna	2-PA	23	0	11	8	0	1	1	2	10	13	23	23	
10	620056	Owasso	2-PA	33	0	20	10	0	1	0	2	16	17	33	33	
11	620057	Josephine	2-PA	10	0	2	1	7	0	0	0	8	2	10	10	
12	270137	Christmas	2-PA	27	0	10	16	0	0	1	0	17	10	27	27	
13	620061	Turtle	2-PA	38	0	17	15	0	0	1	5	28	10	38	38	
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				207	0	83	78	21	6	12	9	142	65	207	207	
14	820049	Big Camelian	3-PA	22	0	9	11	0	2	0	0	14	8	22	22	
15	20026	Centerville	3-PA	32	0	18	14	0	0	0	0	15	17	32	32	
16	820159	Forest	3-PA	167	0	85	60	0	11	2	9	86	81	167	167	
17	20026	Lirwood	3-PA	29	1	13	15	0	0	0	0	20	9	29	29	
19	190026	Marion	3-PA	58	0	27	27	0	2	0	2	38	20	58	58	
19	100059	Waconia	3-PA	75	0	25	37	10	1	0	2	55	20	75	75	
20	820163	Clear	3-PA	26	0	8	15	0	1	1	1	21	5	26	26	
21	700120	Thole	3-PA	7	0	0	6	0	1	0	0	5	2	7	7	
22	130012	Chisago	3-PA	89	0	34	49	1	1	4	0	60	29	89	89	
	130028	South Lindstrom	3-PA	11	0			11				11		11	11	
23	130041	Green	3-PA	51	0	20	28	0	3	0	0	35	16	51	51	
24	130053	Comfort	3-PA	12	0	3	7	0	1	1	0	8	4	12	12	
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				579	1	242	269	0	23	8	14	368	211	579	579	
25	20052	Netta	3-NPA	2	0	1	1	0	0	0	0	1	1	2	2	
26	130031	Sunrise	3-NPA	9	0	4	5	0	0	0	0	6	3	9	9	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				11	0	5	6	0	0	0	0	0	7	4	11	11

Tuesday, June 11, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake	
1	100009	Minnewashta	1	16	0	5	9	0	2	0	0	12	4	16	16	
2	700026	Lower Prior	1	24	1	15	7	0	1	0	0	13	11	24	24	
	700072	Upper Prior	1	22	0	10	7	0	1	1	3	10	12	22	22	
3	820052	Big Marine	1	51	1	8	23	5	11	3	0	29	22	51	51	
4	820167	White Bear	1	76	0	22	31	12	10	0	1	28	48	76	76	
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				189	2	60	77	17	25	4	4	92	97	189	189	
5	270031	Calhoun	2-PA	4	0	1	2	1	0	0	0	4	0	4	4	
6	270019	Nokomis	2-PA	3	0	0	0	3	0	0	0	3	0	3	3	
7	270067	Bryant	2-PA	12	0	7	5	0	0	0	0	7	5	12	12	
8	270111	Eagle	2-PA	9	0	0	7	0	0	1	1	9	0	9	9	
9	620078	Johanna	2-PA	5	0	3	1	0	0	0	1	2	3	5	5	
10	620056	Owasso	2-PA	15	0	7	7	0	0	1	0	10	5	15	15	
11	620057	Josephine	2-PA	4	0	2	2	0	0	0	0	3	1	4	4	
12	270137	Christmas	2-PA	9	0	4	4	0	0	1	0	5	4	9	9	
13	620061	Turtle	2-PA	21	0	10	10	0	0	0	1	14	7	21	21	
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				82	0	34	38	4	0	3	3	57	25	82	82	
14	820049	Big Carnelian	3-PA	9	0	3	3	0	3	0	0	6	3	9	9	
15	20026	Centerville	3-PA	6	0	0	5	0	0	1	0	5	1	6	6	
16	820159	Forest	3-PA	39	0	15	21	0	2	1	0	21	18	39	39	
17	20026	Linwood	3-PA	10	0	1	2	3	0	2	2	5	5	10	10	
19	190026	Marion	3-PA	20	0	9	10	0	1	0	0	15	5	20	20	
19	100059	Waconia	3-PA	27	0	12	7	5	0	3	0	17	10	27	27	
20	820163	Clear	3-PA	10	0	1	9	0	0	0	0	3	7	10	10	
21	700120	Thole	3-PA	3	0	2	1	0	0	0	0	0	3	3	3	
22	130012	Chisago	3-PA	36	0	6	22	1	2	4	1	9	27	36	36	
	130028	South Lindstrom	3-PA	21	0	6	13	0	2	0	0	10	11	21	21	
23	130041	Green	3-PA	11	0	4	7	0	0	0	0	7	4	11	11	
24	130053	Comfort	3-PA	5	0	3	2	0	0	0	0	3	2	5	5	
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				197	0	62	102	9	10	11	3	101	96	197	197	
25	20052	Netta	3-NPA	0	0	0	0	0	0	0	0	0	0	0	0	
26	130031	Sunrise	3-NPA	6	0	1	5	0	0	0	0	3	3	6	6	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				6	0	1	5	0	0	0	0	0	3	3	6	6

Wednesday, June 19, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake
1	100009	Minnewashta	1	8	0	5	3	0	0	0	0	5	3	8	8
2	700026	Lower Prior	1	9	0	5	4	0	0	0	0	6	3	9	9
	700072	Upper Prior	1	31	0	7	16	1	2	1	4	19	12	31	31
3	820052	Big Marine	1	29	0	8	19	0	2	0	0	23	6	29	29
4	820167	White Bear	1	63	0	22	27	3	7	1	3	51	12	63	63
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				140	0	47	69	4	11	2	7	104	36	140	140
5	270031	Calhoun	2-PA	4	0	0	0	3	0	1	0	4	0	4	4
6	270019	Nokomis	2-PA	3	0	0	1	1	0	1	0	3	0	3	3
7	270067	Bryant	2-PA	4	0	0	3	0	1	0	0	3	1	4	4
8	270111	Eagle	2-PA	13	0	3	10	0	0	0	0	11	2	13	13
9	620078	Johanna	2-PA	6	0	0	6	0	0	0	0	6	0	6	6
10	620056	Owasso	2-PA	18	0	4	14	0	0	0	0	17	1	18	18
11	620057	Josephine	2-PA	3	0	1	2	0	0	0	0	2	1	3	3
12	270137	Christmas	2-PA	5	0	0	3	0	1	0	1	4	1	5	5
13	620061	Turtle	2-PA	11	0	3	8	0	0	0	0	9	2	11	11
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				67	0	11	47	4	2	2	1	59	8	67	67
14	820049	Big Carnelian	3-PA	11	0	6	3	1	0	1	0	10	1	11	11
15	20026	Centerville	3-PA	4	0	0	4	0	0	0	0	4	0	4	4
16	820159	Forest	3-PA	53	0	18	26	1	4	0	4	36	17	53	53
17	20026	Lirwood	3-PA	16	0	3	5	2	4	1	1	12	4	16	16
19	190026	Marion	3-PA	13	0	7	5	0	1	0	0	10	3	13	13
19	100059	Waconia	3-PA	26	0	10	16	0	0	0	0	17	9	26	26
20	820163	Clear	3-PA	13	0	4	9	0	0	0	0	10	3	13	13
21	700120	Thole	3-PA	0	0	0	0	0	0	0	0	0	0	0	0
22	130012	Chisago	3-PA	32	0	17	15	0	0	0	0	22	10	32	32
	130028	South Lindstrom	3-PA	6	0	2	4	0	0	0	0	3	3	6	6
23	130041	Green	3-PA	15	0	5	7	0	3	0	0	10	5	15	15
24	130053	Comfort	3-PA	1	0	1	0	0	0	0	0	1	0	1	1
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				190	0	73	94	4	12	2	5	135	55	190	190
25	20052	Netta	3-NPA	0	0	0	0	0	0	0	0	0	0	0	0
26	130031	Sunrise	3-NPA	5	0	0	4	0	0	1	0	5	0	5	5
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				5	0	0	4	0	0	1	0	5	0	5	5

Thursday, July 4, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake
1	100009	Minnewashta	1	33	0	14	12	2	4	1	0	25	8	33	33
2	700026	Lower Prior	1	54	0	31	17	0	5	0	1	32	22	54	54
	700072	Upper Prior	1	217	1	137	45	11	13	0	10	121	96	217	217
3	820052	Big Marine	1	145	1	53	55	2	23	0	11	84	61	145	145
4	820167	White Bear	1	298	0	150	58	63	15	2	10	193	105	298	298
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				747	2	385	187	78	60	3	32	455	292	747	747
5	270031	Calhoun	2-PA	18	0	5	4	5	1	0	3	14	4	18	18
6	270019	Nokomis	2-PA	5	0	0	1	3	0	1	0	5	0	5	5
7	270067	Bryant	2-PA	14	0	4	9	0	0	0	1	8	6	14	14
8	270111	Eagle	2-PA	31	0	16	15	0	0	0	0	26	5	31	31
9	620078	Johanna	2-PA	9	0	3	4	0	1	1	0	8	1	9	9
10	620056	Owasso	2-PA	25	0	18	4	0	1	0	2	11	14	25	25
11	620057	Josephine	2-PA	10	0	5	2	1	1	0	1	9	1	10	10
12	270137	Christmas	2-PA	59	1	26	16	1	7	3	5	41	18	59	59
13	620061	Turtle	2-PA	24	0	15	5	1	2	0	1	12	12	24	24
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				195	1	92	60	11	13	5	13	134	61	195	195
14	820049	Big Carnelian	3-PA	40	0	12	15	2	9	0	2	26	14	40	40
15	20026	Centerville	3-PA	26	0	14	7	0	0	0	5	19	7	26	26
16	820159	Forest	3-PA	197	0	87	66	6	23	3	12	111	86	197	197
17	20026	Linwood	3-PA	48	0	18	16	2	11	0	1	22	26	48	48
18	190026	Marion	3-PA	39	0	15	20	0	1	1	2	24	15	39	39
19	100059	Waconia	3-PA	95	1	29	18	23	15	2	7	62	33	95	95
20	820163	Clear	3-PA	41	0	18	20	0	0	0	3	24	17	41	41
21	700120	Thole	3-PA	3	0	0	3	0	0	0	0	3	0	3	3
22	130012	Chisago	3-PA	83	0	34	25	4	15	0	5	56	27	83	83
	130028	South Lindstrom	3-PA	15	0	7	3	2	2	0	1	8	7	15	15
23	130041	Green	3-PA	37	0	15	17	0	5	0	0	16	21	37	37
24	130053	Comfort	3-PA	23	0	10	4	6	2	0	1	16	7	23	23
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				647	1	259	214	45	83	6	39	387	260	647	647
25	20052	Netta	3-NPA	4	0	0	4	0	0	0	0	2	2	4	4
26	130031	Sunrise	3-NPA	14	0	9	4	0	0	1	0	13	1	14	14
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				18	0	9	8	0	0	1	0	15	3	18	18

Wednesday, July 10, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	run-cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake	
1	100009	Minnewashta	1	22	0	13	4	0	3	2	0	15	7	22	22	
2	700026	Lower Prior	1	25	0	12	11	0	2	0	0	19	6	25	25	
	700072	Upper Prior	1	48	0	29	11	2	3	0	3	34	14	48	48	
3	820052	Big Marine	1	45	0	31	10	0	4	0	0	44	1	45	45	
4	820167	White Bear	1	59	0	30	19	3	4	3	0	48	11	59	59	
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				199	0	115	55	5	16	5	3	160	39	199	199	
5	270031	Calhoun	2-PA	21	0	0	1	20	0	0	0	21	0	21	21	
6	270019	Nokomis	2-PA	6	0	0	0	6	0	0	0	6	0	6	6	
7	270067	Bryant	2-PA	17	0	8	5	0	1	2	1	11	6	17	17	
8	270111	Eagle	2-PA	29	0	19	8	1	1	0	0	23	6	29	29	
9	620078	Johanna	2-PA	4	0	1	3	0	0	0	0	2	2	4	4	
10	620056	Owasso	2-PA	17	0	9	7	0	1	0	0	11	6	17	17	
11	620057	Josephine	2-PA	4	0	3	1	0	0	0	0	2	2	4	4	
12	270137	Christmas	2-PA	11	0	7	2	0	2	0	0	6	5	11	11	
13	620061	Turtle	2-PA	13	0	7	4	0	1	0	1	9	4	13	13	
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				122	0	54	31	27	6	2	2	91	31	122	122	
14	820049	Big Carnelian	3-PA	5	0	1	4	0	0	0	0	5	0	5	5	
15	20026	Centerville	3-PA	4	0	1	3	0	0	0	0	4	0	4	4	
16	820159	Forest	3-PA	22	0	9	7	1	2	1	2	17	5	22	22	
17	20026	Linwood	3-PA	10	0	2	5	0	2	1	0	9	1	10	10	
18	190026	Marion	3-PA	33	0	18	11	0	1	3	0	26	7	33	33	
19	100059	Waconia	3-PA	58	0	15	24	17	1	1	0	54	4	58	58	
20	820163	Clear	3-PA	3	0	2	1	0	0	0	0	2	1	3	3	
21	700120	Thole	3-PA	1	0	0	1	0	0	0	0	1	0	1	1	
22	130012	Chisago	3-PA	28	0	9	16	1	2	0	0	21	7	28	28	
	130028	South Lindstrom	3-PA	14	0	3	6	1	2	0	2	9	5	14	14	
23	130041	Green	3-PA	10	0	4	6	0	0	0	0	10	0	10	10	
24	130053	Comfort	3-PA	9	0	2	6	0	0	1	0	9	0	9	9	
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				197	0	66	90	20	10	7	4	167	30	197	197	
25	20052	Netta	3-NPA	0	0	0	0	0	0	0	0	0	0	0	0	
26	130031	Sunrise	3-NPA	2	0	0	2	0	0	0	0	2	0	2	2	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				2	0	0	2	0	0	0	0	0	2	0	2	2

Saturday, July 13, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake	
1	100009	Minnewashta	1	9	0	6	3	0	0	0	0	7	2	9	9	
2	700026	Lower Prior	1	35	0	15	10	0	4	2	4	18	17	35	35	
	700072	Upper Prior	1	29	0	16	4	0	5	0	4	8	21	29	29	
3	820052	Big Marine	1	93	0	15	39	37	2	0	0	85	8	93	93	
4	820167	White Bear	1	128	0	33	25	68	1	1	0	112	16	128	128	
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				294	0	85	81	105	12	3	8	230	64	294	294	
5	270031	Calhoun	2-PA	16	0	2	1	13	0	0	0	15	1	16	16	
6	270019	Nokomis	2-PA	10	0	0	0	6	0	4	0	10	0	10	10	
7	270067	Bryant	2-PA	16	0	10	3	0	2	1	0	6	10	16	16	
8	270111	Eagle	2-PA	7	0	0	6	0	0	1	0	7	0	7	7	
9	620078	Johanna	2-PA	7	0	5	0	2	0	0	0	3	4	7	7	
10	620056	Owasso	2-PA	17	0	12	4	1	0	0	0	11	6	17	17	
11	620057	Josephine	2-PA	5	0	2	3	0	0	0	0	5	0	5	5	
12	270137	Christmas	2-PA	8	0	6	1	0	1	0	0	5	3	8	8	
13	620061	Turtle	2-PA	12	0	4	8	0	0	0	0	8	4	12	12	
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				98	0	41	26	22	3	6	0	70	28	98	98	
14	820049	Big Carnelian	3-PA	19	0	8	9	0	1	0	1	12	7	19	19	
15	20026	Centerville	3-PA	4	0	2	0	0	0	0	2	0	4	4	4	
16	820159	Forest	3-PA	59	0	24	31	0	4	0	0	43	16	59	59	
17	20026	Linwood	3-PA	19	0	4	14	0	0	1	0	16	3	19	19	
18	190026	Marion	3-PA	22	0	12	9	1	0	0	0	14	8	22	22	
19	100059	Waconia	3-PA	25	0	9	11	2	0	1	2	17	8	25	25	
20	820163	Clear	3-PA	14	0	5	6	1	2	0	0	13	1	14	14	
21	700120	Thole	3-PA	1	0	0	1	0	0	0	0	1	0	1	1	
22	130012	Chisago	3-PA	64	0	22	34	1	2	4	1	47	17	64	64	
	130028	South Lindstrom	3-PA	16	0	4	7	0	5	0	0	9	7	16	16	
23	130041	Green	3-PA	22	0	4	17	0	1	0	0	20	2	22	22	
24	130053	Comfort	3-PA	12	0	5	6	0	1	0	0	10	2	12	12	
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				277	0	99	145	5	16	6	6	202	75	277	277	
25	20052	Netta	3-NPA	2	0	0	2	0	0	0	0	1	1	2	2	
26	130031	Sunrise	3-NPA	5	0	2	3	0	0	0	0	4	1	5	5	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				7	0	2	5	0	0	0	0	0	5	2	7	7

Tuesday, July 23, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	total wake no wake	run- about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boats	total wake no wake	
1	100009	Minnewashta	1	11	0	4	4	0	1	2	0	6	5	11	11	
2	700026	Lower Prior	1	23	0	8	7	0	4	1	3	14	9	23	23	
	700072	Upper Prior	1	52	4	19	18	4	3	3	1	28	24	52	52	
3	820052	Big Marine	1	19	0	7	7	1	4	0	0	11	8	19	19	
4	820167	White Bear	1	58	0	18	15	19	2	0	4	32	26	58	58	
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				163	4	56	51	24	14	6	8	91	72	163	163	
5	270031	Calhoun	2-PA	7	0	0	3	0	0	4	0	0	7	7	7	
6	270019	Nokomis	2-PA	6	0	0	0	3	0	3	0	6	0	6	6	
7	270067	Bryant	2-PA	7	0	2	1	0	0	0	4	6	1	7	7	
8	270111	Eagle	2-PA	18	1	6	8	0	1	1	1	11	7	18	18	
9	620078	Johanna	2-PA	10	0	3	6	0	1	0	0	6	4	10	10	
10	620056	Owasso	2-PA	9	0	3	4	0	0	1	1	7	2	9	9	
11	620057	Josephine	2-PA	3	0	1	0	1	0	0	1	2	1	3	3	
12	270137	Christmas	2-PA	16	0	8	7	0	0	1	0	14	2	16	16	
13	620061	Turtle	2-PA	10	0	6	3	0	0	0	1	7	3	10	10	
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				86	1	29	32	4	2	10	8	59	27	86	86	
14	820049	Big Carnelian	3-PA	7	0	3	2	1	0	1	0	5	2	7	7	
15	20026	Centerville	3-PA	3	0	1	0	2	0	0	0	0	3	3	3	
16	820159	Forest	3-PA	29	0	11	12	0	3	0	3	17	12	29	29	
17	20026	Linwood	3-PA	4	0	0	2	2	0	0	0	2	2	4	4	
18	190026	Marion	3-PA	29	0	13	12	0	4	0	0	18	11	29	29	
19	100059	Waconia	3-PA	23	0	4	5	12	0	2	0	7	16	23	23	
20	820163	Clear	3-PA	7	0	2	1	3	0	0	1	5	2	7	7	
21	700120	Thole	3-PA	4	0	1	3	0	0	0	0	0	4	4	4	
22	130012	Chisago	3-PA	22	0	8	7	0	3	1	3	13	9	22	22	
	130028	South Lindstrom	3-PA	7	0	0	2	1	2	2	0	1	6	7	7	
23	130041	Green	3-PA	7	0	4	2	0	0	1	0	4	3	7	7	
24	130053	Comfort	3-PA	3	0	0	1	2	0	0	0	1	2	3	3	
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				145	0	47	49	23	12	7	7	73	72	145	145	
25	20052	Netta	3-NPA	0	0	0	0	0	0	0	0	0	0	0	0	
26	130031	Sunrise	3-NPA	1	0	0	1	0	0	0	0	0	1	1	1	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACC				1	0	0	1	0	0	0	0	0	0	1	1	1

Saturday, August 3, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	total cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake
1	100009	Minnewashta	1	18	0	7	4	5	1	1	0	9	9	18	18
2	700026	Lower Prior	1	14	0	6	4	2	0	0	2	7	7	14	14
	700072	Upper Prior	1	41	0	25	4	1	0	2	9	16	25	41	41
3	820052	Big Marine	1	20	0	7	9	1	2	1	0	7	13	20	20
4	820167	White Bear	1	57	3	13	3	27	2	2	7	18	39	57	57
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				150	3	58	24	36	5	6	18	57	93	150	150
5	270031	Calhoun	2-PA	9	0	0	0	0	9	0	0	9	0	9	9
6	270019	Nokomis	2-PA	7	0	0	0	3	0	4	0	7	0	7	7
7	270067	Bryant	2-PA	13	0	4	3	4	0	0	2	7	6	13	13
8	270111	Eagle	2-PA	12	0	3	6	0	0	2	1	3	9	12	12
9	620078	Johanna	2-PA	3	0	1	2	0	0	0	0	0	3	3	3
10	620056	Owasso	2-PA	11	1	5	3	1	0	1	0	6	5	11	11
11	620057	Josephine	2-PA	6	0	1	2	1	0	0	2	4	2	6	6
12	270137	Christmas	2-PA	6	0	2	1	1	0	2	0	2	4	6	6
13	620061	Turtle	2-PA	23	0	10	8	2	0	1	2	15	8	23	23
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				90	1	26	25	12	9	10	7	53	37	90	90
14	820049	Big Carnelian	3-PA	7	0	3	3	0	1	0	0	5	2	7	7
15	20026	Centerville	3-PA	14	0	4	6	0	2	0	2	3	11	14	14
16	820159	Forest	3-PA	49	0	19	17	2	8	0	3	24	25	49	49
17	20026	Linwood	3-PA	14	0	6	5	0	0	0	3	5	9	14	14
18	190026	Marion	3-PA	27	0	8	8	3	4	1	3	10	17	27	27
19	100059	Waconia	3-PA	44	1	5	10	23	0	0	5	28	16	44	44
20	820163	Clear	3-PA	11	0	7	2	0	0	0	2	6	5	11	11
21	700120	Thole	3-PA	1	0	0	1	0	0	0	0	0	1	1	1
22	130012	Chisago	3-PA	35	0	14	12	0	6	0	3	16	19	35	35
	130028	South Lindstrom	3-PA	11	0	3	4	2	0	0	2	7	4	11	11
23	130041	Green	3-PA	27	0	12	11	0	4	0	0	12	15	27	27
24	130053	Comfort	3-PA	10	0	3	4	0	2	1	0	5	5	10	10
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				250	1	84	83	0	27	2	23	121	129	250	250
25	20052	Netta	3-NPA	2	0	1	1	0	0	0	0	1	1	2	2
26	130031	Sunrise	3-NPA	10	0	5	5	0	0	0	0	6	4	10	10
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC AC				12	0	6	6	0	0	0	0	7	5	12	12

Thursday, August 8, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	total cruiser	run- about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake
1	100009	Minnewashta	1	5	1	2	2	0	0	0	0	0	5	5	5
2	700026	Lower Prior	1	24	2	10	6	0	2	1	3	10	14	24	24
	700072	Upper Prior	1	58	1	30	7	5	5	5	5	18	40	58	58
3	820052	Big Marine	1	19	0	5	7	0	2	0	5	3	16	19	19
4	820167	White Bear	1	55	0	21	10	15	5	0	4	41	14	55	55
<b>TOTAL FOR CATEGORY 1, PUBLIC ACCESS</b>				<b>161</b>	<b>4</b>	<b>68</b>	<b>32</b>	<b>20</b>	<b>14</b>	<b>6</b>	<b>17</b>	<b>72</b>	<b>89</b>	<b>161</b>	<b>161</b>
5	270031	Calhoun	2-PA	4	0	0	0	3	0	1	0	3	1	4	4
6	270019	Nokomis	2-PA	5	0	0	0	3	0	2	0	5	0	5	5
7	270067	Bryant	2-PA	4	0	1	3	0	0	0	0	1	3	4	4
8	270111	Eagle	2-PA	11	0	3	2	0	2	4	0	2	9	11	11
9	620078	Johanna	2-PA	7	0	5	1	0	0	1	0	4	3	7	7
10	620056	Owasso	2-PA	7	0	1	4	1	0	1	0	0	7	7	7
11	620057	Josephine	2-PA	2	0	1	1	0	0	0	0	2	0	2	2
12	270137	Christmas	2-PA	11	0	5	2	0	0	1	3	5	6	11	11
13	620061	Turtle	2-PA	5	0	0	0	1	0	1	3	3	2	5	5
<b>TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS</b>				<b>56</b>	<b>0</b>	<b>16</b>	<b>13</b>	<b>8</b>	<b>2</b>	<b>11</b>	<b>6</b>	<b>25</b>	<b>31</b>	<b>56</b>	<b>56</b>
14	820049	Big Carnelian	3-PA	3	0	1	2	0	0	0	0	1	2	3	3
15	20026	Centerville	3-PA	3	0	1	1	0	0	0	1	2	1	3	3
16	820159	Forest	3-PA	17	0	4	7	0	2	0	4	4	13	17	17
17	20026	Linwood	3-PA	4	0	0	4	0	0	0	0	0	4	4	4
18	190026	Marion	3-PA	16	0	5	6	0	0	1	4	6	10	16	16
19	100059	Waconia	3-PA	17	0	5	5	5	1	1	0	5	12	17	17
20	820163	Clear	3-PA	8	0	6	0	0	0	0	2	7	1	8	8
21	700120	Thole	3-PA	1	0	0	1	0	0	0	0	0	1	1	1
22	130012	Chisago	3-PA	19	0	1	15	0	2	1	0	0	19	19	19
	130028	South Lindstrom	3-PA	3	0	0	1	2	0	0	0	2	1	3	3
23	130041	Green	3-PA	8	0	5	3	0	0	0	0	5	3	8	8
24	130053	Comfort	3-PA	5	0	2	1	0	0	0	2	3	2	5	5
<b>TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS</b>				<b>104</b>	<b>0</b>	<b>30</b>	<b>46</b>	<b>7</b>	<b>5</b>	<b>3</b>	<b>13</b>	<b>35</b>	<b>69</b>	<b>104</b>	<b>104</b>
25	20052	Netta	3-NPA	0										0	0
26	130031	Sunrise	3-NPA	1	0	0	1	0	0	0	0	0	1	1	1
<b>TOTAL FOR CATEGORY 3-NPA, NO PUBLIC AC</b>				<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>

Sunday, August 18, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake	
1	100009	Minnewashta	1	10	0	7	3	0	0	0	0	7	3	10	10	
2	700026	Lower Prior	1	16	0	13	2	0	0	0	1	5	11	16	16	
	700072	Upper Prior	1	46	0	18	13	0	2	0	13	16	30	46	46	
3	820052	Big Marine	1	26	0	6	12	2	3	2	1	8	18	26	26	
4	820167	White Bear	1	142	2	27	15	84	6	2	6	97	45	142	142	
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				240	2	71	45	86	11	4	21	133	107	240	240	
5	270031	Calhoun	2-PA	5	0	0	0	5	0	0	0	5	0	5	5	
6	270019	Nokomis	2-PA	4	0	0	0	2	0	2	0	4	0	4	4	
7	270067	Bryant	2-PA	3	0	1	2	0	0	0	0	1	2	3	3	
8	270111	Eagle	2-PA	10	0	4	3	1	0	1	1	7	3	10	10	
9	620078	Johanna	2-PA	11	0	4	5	0	0	2	0	5	6	11	11	
10	620056	Owasso	2-PA	19	0	13	4	0	2	0	0	10	9	19	19	
11	620057	Josephine	2-PA	7	0	4	1	1	1	0	0	4	3	7	7	
12	270137	Christmas	2-PA	6	0	3	2	0	1	0	0	2	4	6	6	
13	620061	Turtle	2-PA	24	0	8	11	1	0	2	2	13	11	24	24	
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				89	0	37	28	10	4	7	3	51	38	89	89	
14	820049	Big Carnelian	3-PA	10	0	1	2	2	0	1	4	3	7	10	10	
15	20026	Centerville	3-PA	3	0	0	0	0	0	0	3	3	0	3	3	
16	820159	Forest	3-PA	44	4	17	10	2	6	2	3	17	27	44	44	
17	20026	Linwood	3-PA	17	0	6	7	0	1	0	3	5	12	17	17	
18	190026	Marion	3-PA	45	0	17	19	0	0	0	9	15	30	45	45	
19	100059	Waconia	3-PA	75	0	20	22	21	2	0	10	41	34	75	75	
20	820163	Clear	3-PA	19	0	6	9	0	2	0	2	11	8	19	19	
21	700120	Thole	3-PA	0	0	0	0	0	0	0	0	0	0	0	0	
22	130012	Chisago	3-PA	52	0	17	18	0	7	0	10	24	28	52	52	
	130028	South Lindstrom	3-PA	24	0	8	7	0	6	0	3	16	8	24	24	
23	130041	Green	3-PA	24	0	5	14	0	0	0	5	6	18	24	24	
24	130053	Comfort	3-PA	8	0	4	2	1	1	0	0	3	5	8	8	
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				321	4	101	110	26	25	3	52	144	177	321	321	
25	20052	Netta	3-NPA	0	0	0	0	0	0	0	0	0	0	0	0	
26	130031	Sunrise	3-NPA	4	0	1	2	0	0	1	0	1	3	4	4	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC AC				4	0	1	2	0	0	1	0	1	3	4	4	4

Wednesday, August 21, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake	
1	100009	Minnewashta		5	0	2	2	0	1	0	0	3	2	5	5	
2	700026	Lower Prior		9	0	6	3	0	0	0	0	5	4	9	9	
	700072	Upper Prior		24	0	9	8	0	0	2	5	11	13	24	24	
3	820052	Big Marine		9	0	3	2	1	0	1	2	2	7	9	9	
4	820167	White Bear		47	0	13	10	18	2	0	4	32	15	47	47	
<b>TOTAL FOR CATEGORY 1, PUBLIC ACCESS</b>				<b>94</b>	<b>0</b>	<b>33</b>	<b>25</b>	<b>19</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>53</b>	<b>41</b>	<b>94</b>	<b>94</b>	
5	270031	Calhoun		14	0	0	0	14	0	0	0	14	0	14	14	
6	270019	Nokomis		7	0	0	0	3	0	4	0	7	0	7	7	
7	270067	Bryant		9	0	0	2	1	0	3	3	3	6	9	9	
8	270111	Eagle		5	0	2	3	0	0	0	0	1	4	5	5	
9	620078	Johanna		8	0	4	2	0	1	0	1	1	7	8	8	
10	620056	Owasso		6	0	0	4	0	0	0	2	2	4	6	6	
11	620057	Josephine		3	0	3	0	0	0	0	0	1	2	3	3	
12	270137	Christmas		5	0	2	3	0	0	0	0	1	4	5	5	
13	620061	Turtle		6	0	2	3	0	0	0	1	2	4	6	6	
<b>TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS</b>				<b>63</b>	<b>0</b>	<b>13</b>	<b>17</b>	<b>18</b>	<b>1</b>	<b>7</b>	<b>7</b>	<b>32</b>	<b>31</b>	<b>63</b>	<b>63</b>	
14	820049	Big Carnelian		6	0	2	3	0	0	0	1	4	2	6	6	
15	20026	Centerville		3	0	1	1	0	0	0	1	2	1	3	3	
16	820159	Forest		24	0	7	6	3	5	0	3	13	11	24	24	
17	20026	Linwood		7	0	1	4	0	2	0	0	0	7	7	7	
18	190026	Marion		19	0	11	5	3	0	0	0	12	7	19	19	
19	100059	Waconia		14	0	5	6	1	1	0	1	3	11	14	14	
20	820163	Clear		2	0	1	0	0	0	0	1	2	0	2	2	
21	700120	Thole		0										0	0	
22	130012	Chisago		19	0	9	8	0	0	0	2	11	8	19	19	
	130028	South Lindstrom		4	0	2	2	0	0	0	0	1	3	4	4	
23	130041	Green		7	0	2	3	0	0	0	2	2	5	7	7	
24	130053	Comfort		2	0	1	1	0	0	0	0	1	1	2	2	
<b>TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS</b>				<b>107</b>	<b>0</b>	<b>42</b>	<b>39</b>	<b>7</b>	<b>8</b>	<b>0</b>	<b>11</b>	<b>51</b>	<b>56</b>	<b>107</b>	<b>107</b>	
25	20052	Netta		0										0	0	
26	130031	Sunrise		2	0	1	1	0	0	0	0	0	2	2	2	
<b>TOTAL FOR CATEGORY 3-NPA, NO PUBLIC AC</b>				<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>

Sunday, September 1, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	cruiser	run-about	fishing	sailboat	pontoon	canoe kayak	jetski	wake	no wake	total boat type	total wake no wake
1	100009	Minnewashta	1	23	0	12	4	2	1	1	3	8	15	23	23
2	700026	Lower Prior	1	44	0	25	7	0	2	0	10	9	35	44	44
	700072	Upper Prior	1	75	0	50	5	0	3	1	16	39	36	75	75
3	820052	Big Marine	1	30	0	10	14	0	4	0	2	6	24	30	30
4	820167	White Bear	1	213	2	61	20	100	17	3	10	131	82	213	213
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				385	2	158	50	102	27	5	41	193	192	385	385
5	270031	Calhoun	2-PA	16	0	0	0	16	0	0	0	16	0	16	16
6	270019	Nokomis	2-PA	9	0	0	0	3	0	6	0	9	0	9	9
7	270067	Bryant	2-PA	8	0	3	1	2	0	0	2	4	4	8	8
8	270111	Eagle	2-PA	19	0	13	4	0	0	0	2	11	8	19	19
9	620078	Johanna	2-PA	4	0	1	1	2	0	0	0	0	4	4	4
10	620056	Owasso	2-PA	10	0	8	2	0	0	0	0	1	9	10	10
11	620057	Josephine	2-PA	4	0	3	0	0	0	0	1	4	0	4	4
12	270137	Christmas	2-PA	17	0	5	5	4	3	0	0	3	14	17	17
13	620061	Turtle	2-PA	16	0	5	8	1	0	0	2	8	8	16	16
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				103	0	38	21	28	3	6	7	56	47	103	103
14	820049	Big Carnelian	3-PA	12	0	10	1	0	1	0	0	3	9	12	12
15	20026	Centerville	3-PA	9	0	4	5	0	0	0	0	5	4	9	9
16	820159	Forest	3-PA	116	0	40	39	10	23	0	4	55	61	116	116
17	20026	Linwood	3-PA	21	0	6	11	1	3	0	0	4	17	21	21
18	190026	Marion	3-PA	42	0	11	15	8	2	1	5	25	17	42	42
19	100059	Waconia	3-PA	84	1	30	21	23	2	2	5	29	55	84	84
20	820163	Clear	3-PA	20	0	6	8	3	1	1	1	3	17	20	20
21	700120	Thole	3-PA	1	0	0	1	0	0	0	0	0	1	1	1
22	130012	Chisago	3-PA	70	1	20	18	11	14	2	4	12	58	70	70
	130028	South Lindstrom	3-PA	17	0	4	6	2	2	0	3	9	8	17	17
23	130041	Green	3-PA	41	2	19	12	2	2	2	2	14	27	41	41
24	130053	Comfort	3-PA	16	0	8	1	3	3	1	0	3	13	16	16
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				449	4	158	138	63	53	9	24	162	287	449	449
25	20052	Netta	3-NPA	0	0	0	0	0	0	0	0	0	0	0	0
26	130031	Sunrise	3-NPA	10	0	7	3	0	0	0	0	3	7	10	10
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC AC				10	0	7	3	0	0	0	0	3	7	10	10

## AERIAL VEHICLE COUNTS FOR 14 FLIGHTS

### ENCLOSURE 2

The tables in this enclosure contain the boat counts and classification for each of the flights. The first four columns list the sequence number, DOW number, lake name, and category. Column 5 provides the total boat count for each lake on that day (same total as recorded in the tables of Enclosure (1)). The next column contains the total vehicle count for public access and private/marina access parking areas for each lake on that day. The next four columns breakdown the total vehicle count by public and private access. Those lakes with more than one public access have counts recorded in PA1, PA2, and PA3, as applicable. The final column provides the empty slip count for marinas on applicable lakes that day.

May 26, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Minnewashta	1	30	24	17	7			
2	700026	Lower Prior	1	10	7	7			0	1
	700072	Upper Prior	1	17	9		9			
3	820052	Big Marine	1	69	40	12	27		1	3
4	820167	White Bear	1	159	112	63	38		11	24
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				285	192	99	81	0	12	28
5	270031	Calhoun	2-PA	12	3	3				5
6	270019	Nokomis	2-PA	6	2	2				3
7	270067	Bryant	2-PA	8	7	7				
8	270111	Eagle	2-PA	13	4	4				
9	620078	Johanna	2-PA	3	2	2				
10	620056	Owasso	2-PA	10	7	7				
11	620057	Josephine	2-PA	4	4	4				
12	270137	Christmas	2-PA	5	4	4				
13	620061	Turtle	2-PA	6	7	7				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				67	40	40	0	0	0	8
14	820049	Big Carnelian	3-PA	8	4	4				
15	20026	Centerville	3-PA	12	10	9			1	
16	820159	Forest	3-PA	105	87	54	14	18	1	6
17	20026	Linwood	3-PA	47	28	28				
19	190026	Marion	3-PA	31	13	13				
19	100059	Waconia	3-PA	66	23	22			1	14
20	820163	Clear	3-PA	27	18	18				
21	700120	Thole	3-PA	2	2	2				
22	130012	Chisago	3-PA	53	43	43				
	130028	South Lindstrom	3-PA	26						
23	130041	Green	3-PA	52	44	15	29			
24	130053	Comfort	3-PA	27	8	8				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				456	280	216	43	18	3	20
25	20052	Netta	3-NPA	1	0					
26	130031	Sunrise	3-NPA	23	20				20	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				24	20	0	0	0	20	0

May 31, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Minnewashta	1	12	7	5	2			
2	700026	Lower Prior	1	13	8	8			0	2
	700072	Upper Prior	1	11	13		13			1
3	820052	Big Marine	1	28	14	4	10		0	
4	820167	White Bear	1	85	61	32	25		4	21
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				149	103	49	50	0	4	24
5	270031	Calhoun	2-PA	3	2	2				0
6	270019	Nokomis	2-PA	7	2	2				5
7	270067	Bryant	2-PA	8	7	7				
8	270111	Eagle	2-PA	13	12	12				
9	620078	Johanna	2-PA	2	2	2				
10	620056	Owasso	2-PA	5	3	3				
11	620057	Josephine	2-PA	1	1	1				
12	270137	Christmas	2-PA	14	10	10				
13	620061	Turtle	2-PA	7	3	3				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				60	42	42	0	0	0	5
14	820049	Big Carnelian	3-PA	9	9	9				
15	20026	Centerville	3-PA	5	4	4			0	
16	820159	Forest	3-PA	66	16	4	3	9	0	8
17	20026	Linwood	3-PA	17	15	15				
18	190026	Marion	3-PA	12	8	8				
19	100059	Waconia	3-PA	42	23	21			2	14
20	820163	Clear	3-PA	13	8	8				
21	700120	Thole	3-PA	8	6	6				
22	130012	Chisago	3-PA	19	8	8				
	130028	South Lindstrom	3-PA	5						
23	130041	Green	3-PA	17	13	2	11			
24	130053	Comfort	3-PA	11	10	10				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				224	120	95	14	9	2	22
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	5	4				4	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				5	4	0	0	0	4	0

June 9, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Minnewashta	1	62	48	29	19			
2	700026	Lower Prior	1	150	123	114			9	11
	700072	Upper Prior	1	93	72		72			8
3	820052	Big Marine	1	52	42	11	28		3	
4	820167	White Bear	1	223	169	64	44		61	27
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				580	454	218	163	0	73	46
5	270031	Calhoun	2-PA	16	3	3				11
6	270019	Nokomis	2-PA	17	4	4				10
7	270067	Bryant	2-PA	21	11	11				
8	270111	Eagle	2-PA	22	6	6				
9	620078	Johanna	2-PA	23	18	18				
10	620056	Owasso	2-PA	33	8	8				
11	620057	Josephine	2-PA	10	6	6				
12	270137	Christmas	2-PA	27	10	10				
13	620061	Turtle	2-PA	38	21	21				0
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				207	87	87	0	0	0	21
14	820049	Big Carnelian	3-PA	22	14	14				
15	20026	Centerville	3-PA	32	19	16			3	
16	820159	Forest	3-PA	167	119	44	28	33	14	14
17	20026	Linwood	3-PA	29	28	28				
19	190026	Marion	3-PA	58	46	46				
19	100059	Waconia	3-PA	75	65	61			4	5
20	820163	Clear	3-PA	26	20	20				
21	700120	Thole	3-PA	7	3	3				
22	130012	Chisago	3-PA	89	73	73				
	130028	South Lindstrom	3-PA	11						
23	130041	Green	3-PA	51	26	8	18			
24	130053	Comfort	3-PA	12	3	3				0
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				579	416	316	46	33	21	19
25	20052	Netta	3-NPA	2	0					
26	130031	Sunrise	3-NPA	9	8				8	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				14	8	8	8	8	8	8

June 11, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Winnawashta	1	16	9	6	3			
2	700026	Lower Prior	1	24	22	19			5	3
	700072	Upper Prior	1	22	24		22			1
3	820052	Big Marine	1	51	17	3	14		0	0
4	820167	White Bear	1	76	69	27	24		18	12
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				189	141	55	63	0	23	16
5	270031	Calhoun	2-PA	4	2	2				1
6	270019	Nokomis	2-PA	3	1	1				2
7	270067	Bryant	2-PA	12	3	3				
8	270111	Eagle	2-PA	9	8	8				
9	620078	Johanna	2-PA	5	2	2				
10	620056	Owasso	2-PA	15	6	6				
11	620057	Josephine	2-PA	4	2	2				
12	270137	Christmas	2-PA	9	4	4				
13	620061	Turtle	2-PA	21	15	15				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				82	43	43	0	0	0	3
14	820049	Big Camellian	3-PA	9	5	5				
15	20026	Centerville	3-PA	6	6	6			0	
16	820159	Forest	3-PA	39	24	14	4	5	1	5
17	20026	Linwood	3-PA	10	8	8				
19	190026	Marion	3-PA	20	19	19				
19	100059	Waconia	3-PA	27	20	19			1	6
20	820163	Clear	3-PA	10	7	7				
21	700120	Thole	3-PA	3	2	2				
22	130012	Chisago	3-PA	36	50	50				
	130028	South Lindstrom	3-PA	21						
23	130041	Green	3-PA	11	11	9	2			
24	130053	Comfort	3-PA	5	3	3				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				197	155	142	6	5	2	11
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	6	6				6	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				6	6	0	0	0	6	0

June 19, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Minnewashta	1	8	7	6	1			
2	700026	Lower Prior	1	9	10	10			1	2
	700072	Upper Prior	1	31	22		21			5
3	820052	Big Marine	1	29	28	6	22			0
4	820167	White Bear	1	63	53	29	17		7	6
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				140	120	51	61	0	8	13
5	270031	Calhoun	2-PA	4	3	3				1
6	270019	Nokomis	2-PA	3	1	1				2
7	270067	Bryant	2-PA	4	4	4				
8	270111	Eagle	2-PA	13	13	13				
9	620078	Johanna	2-PA	6	2	2				
10	620056	Owasso	2-PA	18	7	7				
11	620057	Josephine	2-PA	3	1	1				
12	270137	Christmas	2-PA	5	5	5				
13	620061	Turtle	2-PA	11	8	8				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				67	44	44	0	0	0	3
14	820049	Big Carnelian	3-PA	11	7	7				
15	20026	Centerville	3-PA	4	4	4			0	
16	820159	Forest	3-PA	53	31	14	6	8	3	9
17	20026	Linwood	3-PA	16	7	7				
19	190026	Marion	3-PA	13	13	13				
19	100059	Waconia	3-PA	26	12	12			0	10
20	820163	Clear	3-PA	13	12	12				
21	700120	Thole	3-PA	0	0	0				
22	130012	Chisago	3-PA	32	33	33				
	130028	South Lindstrom	3-PA	6						
23	130041	Green	3-PA	15	3	3	0			
24	130053	Comfort	3-PA	1	3	3				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				190	125	108	6	8	3	19
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	5	1				1	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				5	1	0	0	0	1	0

July 4, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Minnewashta	1	33	28	17	11			
2	700026	Lower Prior	1	54	9	9			2	26
	700072	Upper Prior	1	217	81		79			1
3	820052	Big Marine	1	145	82	48	23		11	
4	820167	White Bear	1	298	157	63	48		46	64
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				747	357	137	161	0	59	91
5	270031	Calhoun	2-PA	18	10	10				7
6	270019	Nokomis	2-PA	5	1	1				4
7	270067	Bryant	2-PA	14	10	10				
8	270111	Eagle	2-PA	31	11	11				
9	620078	Johanna	2-PA	9	9	9				
10	620056	Owasso	2-PA	25	9	9				
11	620057	Josephine	2-PA	10	2	2				
12	270137	Christmas	2-PA	59	8	8				
13	620061	Turtle	2-PA	24	25	25				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				195	85	85	0	0	0	11
14	820049	Big Carnelian	3-PA	40	26	26				
15	20026	Centerville	3-PA	26	21	18			3	
16	820159	Forest	3-PA	197	112	45	27	28	12	18
17	20026	Linwood	3-PA	48	36	36				
18	190026	Marion	3-PA	39	43	43				
19	100059	Waconia	3-PA	95	74	59			15	22
20	820163	Clear	3-PA	41	27	27				
21	700120	Thole	3-PA	3	3	3				
22	130012	Chisago	3-PA	83	39	39				
	130028	South Lindstrom	3-PA	15						
23	130041	Green	3-PA	37	22	14	8			
24	130053	Comfort	3-PA	23	14	14				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				647	417	324	35	28	30	40
25	20052	Netta	3-NPA	4	0					
26	130031	Sunrise	3-NPA	14	14				14	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				18	14	0	0	0	14	0

July 10, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Minnewashta	1	22	18	11	7			
2	700026	Lower Prior	1	25	11	11			0	8
	700072	Upper Prior	1	48	20		20			16
3	820052	Big Marine	1	45	31	8	21		2	0
4	820167	White Bear	1	59	24	10	7		7	12
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				199	104	40	55	0	9	36
5	270031	Calhoun	2-PA	21	6	6				12
6	270019	Nokomis	2-PA	6	2	2				5
7	270067	Bryant	2-PA	17	12	12				
8	270111	Eagle	2-PA	29	16	16				
9	620078	Johanna	2-PA	4	4	4				
10	620056	Owasso	2-PA	17	9	9				
11	620057	Josephine	2-PA	4	2	2				
12	270137	Christmas	2-PA	11	8	8				
13	620061	Turtle	2-PA	13	11	11				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				122	70	70	0	0	0	17
14	820049	Big Camelian	3-PA	5	5	5				
15	20026	Centerville	3-PA	4	3	3			0	
16	820159	Forest	3-PA	22	16	4	3	8	1	4
17	20026	Linwood	3-PA	10	10	10				
18	190026	Marion	3-PA	33	25	25				
19	100059	Waconia	3-PA	58	42	40			2	8
20	820163	Clear	3-PA	3	3	3				
21	700120	Thole	3-PA	1	1	1				
22	130012	Chisago	3-PA	28	21	21				
	130028	South Lindstrom	3-PA	14						
23	130041	Green	3-PA	10	2	2	0			
24	130053	Comfort	3-PA	9	5	5				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				197	133	119	3	8	3	12
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	2	3				3	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				2	3	0	0	0	3	0

July 13, 1996

seq #	DOW Number	Name of Lake or River	category	total boats	vehicles	PA1	PA2	PA3	private access	empty slips
1	100009	Minnewashta	1	9	6	5	1			
2	700026	Lower Prior	1	35	30	28			2	4
	700072	Upper Prior	1	29	26		26			3
3	820052	Big Marine	1	93	46	9	34		3	2
4	820167	White Bear	1	128	79	42	10		27	17
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				294	187	84	71	0	32	26
5	270031	Calhoun	2-PA	16	0	0				15
6	270019	Nokomis	2-PA	10	1	1				11
7	270067	Bryant	2-PA	16	12	12				
8	270111	Eagle	2-PA	7	8	8				
9	620078	Johanna	2-PA	7	6	6				
10	620056	Owasso	2-PA	17	8	8				
11	620057	Josephine	2-PA	5	5	5				
12	270137	Christmas	2-PA	8	3	3				
13	620061	Turtle	2-PA	12	9	9				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				98	52	52	0	0	0	26
14	820049	Big Camellian	3-PA	19	12	12				
15	20026	Centerville	3-PA	4	3	3			0	
16	820159	Forest	3-PA	59	57	27	11	15	4	2
17	20026	Linwood	3-PA	19	16	16				
18	190026	Marion	3-PA	22	20	20				
19	100059	Waconia	3-PA	25	11	11			0	7
20	820163	Clear	3-PA	14	9	9				
21	700120	Thole	3-PA	1	1	1				
22	130012	Chisago	3-PA	64	50	50				
	130028	South Lindstrom	3-PA	16						
23	130041	Green	3-PA	22	11	9	2			
24	130053	Comfort	3-PA	12	7	7				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				277	197	165	13	15	4	9
25	20052	Netta	3-NPA	2	0					
26	130031	Sunrise	3-NPA	5	5				5	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				7	5	0	0	0	5	0

July 23, 1996

seq	DOW	Name of Lake		total					private	empty
#	Number	or River	category	boats	vehicles	PA1	PA2	PA3	access	slips
1	100009	Minnewashta	1	11	8	7	1			
2	700026	Lower Prior	1	23	8	8			2	8
	700072	Upper Prior	1	52	25		23			12
3	820052	Big Marine	1	19	15	5	10		0	0
4	820167	White Bear	1	58	41	24	9		8	0
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				163	97	44	43	0	10	20
5	270031	Calhoun	2-PA	7	0	0				6
6	270019	Nokomis	2-PA	6	2	2				4
7	270067	Bryant	2-PA	7	5	5				
8	270111	Eagle	2-PA	18	15	15				
9	620078	Johanna	2-PA	10	4	4				
10	620056	Owasso	2-PA	9	5	5				
11	620057	Josephine	2-PA	3	3	3				
12	270137	Christmas	2-PA	16	7	7				
13	620061	Turtle	2-PA	10	8	8				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				86	49	49	0	0	0	10
14	820049	Big Carnelian	3-PA	7	7	7				
15	20026	Centerville	3-PA	3	2	2				
16	820159	Forest	3-PA	29	10	7	2	1	0	7
17	20026	Linwood	3-PA	4	3	3				
18	190026	Marion	3-PA	29	27	27				
19	100059	Waconia	3-PA	23	19	19			0	9
20	820163	Clear	3-PA	7	2	2				
21	700120	Thole	3-PA	4	4	4				
22	130012	Chisago	3-PA	22	18	18				
	130028	South Lindstrom	3-PA	7						
23	130041	Green	3-PA	7	6	6				
24	130053	Comfort	3-PA	3	3	3				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				145	101	98	2	1	0	16
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	1	1				1	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				1	1	0	0	0	1	0

August 3, 1996

seq	DOW	Name of Lake		total					private	empty
#	Number	or River	category	boats	vehicles	PA1	PA2	PA3	access	slips
1	100009	Minnewashta	1	18	16	12	4			
2	700026	Lower Prior	1	14	9	9			3	3
	700072	Upper Prior	1	41	32		29			6
3	820052	Big Marine	1	20	14	4	10		0	0
4	820167	White Bear	1	57	29	16	9		4	11
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				150	100	41	52	0	7	20
5	270031	Calhoun	2-PA	9	1	1				10
6	270019	Nokomis	2-PA	7	1	1				8
7	270067	Bryant	2-PA	13	9	9				
8	270111	Eagle	2-PA	12	8	8				
9	620078	Johanna	2-PA	3	0	0				
10	620056	Owasso	2-PA	11	9	9				
11	620057	Josephine	2-PA	6	2	2				
12	270137	Christmas	2-PA	6	3	3				
13	620061	Turtle	2-PA	23	21	21				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				90	54	54	0	0	0	18
14	820049	Big Carnelian	3-PA	7	4	4				
15	20026	Centerville	3-PA	14	11	11			0	
16	820159	Forest	3-PA	49	27	13	5	8	1	6
17	20026	Linwood	3-PA	14	12	12				
18	190026	Marion	3-PA	27	21	21				
19	100059	Waconia	3-PA	44	26	26				8
20	820163	Clear	3-PA	11	9	9				
21	700120	Thole	3-PA	1	0	0				
22	130012	Chisago	3-PA	35	36	36				
	130028	South Lindstrom	3-PA	11	0					
23	130041	Green	3-PA	27	22	12	10			
24	130053	Comfort	3-PA	10	7	7				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				250	175	151	15	8	1	14
25	20052	Netta	3-NPA	2	0					
26	130031	Sunrise	3-NPA	10	2				2	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				12	2	0	0	0	2	0

August 8, 1996

seq	DOW	Name of Lake		total					private	empty
#	Number	or River	category	boats	vehicles	PA1	PA2	PA3	access	slips
1	100009	Minnewashta	1	5	4	4	0			
2	700028	Lower Prior	1	24	9	9			4	4
	700072	Upper Prior	1	58	45		41			6
3	820052	Big Marine	1	19	13	2	11		0	0
4	820167	White Bear	1	55	48	35	6		7	4
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				161	119	50	58	0	11	14
5	270031	Calhoun	2-PA	4	0	0				6
6	270019	Nokomis	2-PA	5	1	1				5
7	270067	Bryant	2-PA	4	1	1				
8	270111	Eagle	2-PA	11	5	5				
9	620078	Johanna	2-PA	7	7	7				
10	620056	Owasso	2-PA	7	5	5				
11	620057	Josephine	2-PA	2	1	1				
12	270137	Christmas	2-PA	11	11	11				
13	620061	Turtle	2-PA	5	8	8				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				56	39	39	0	0	0	11
14	820049	Big Carnelian	3-PA	3	0	0				
15	20026	Centerville	3-PA	3	1	1			0	
16	820159	Forest	3-PA	17	8	7	1	0	0	2
17	20026	Linwood	3-PA	4	3	3				
18	190026	Marion	3-PA	16	17	17				
19	100059	Waconia	3-PA	17	5	5			0	14
20	820163	Clear	3-PA	8	6	6				
21	700120	Thole	3-PA	1	0	0				
22	130012	Chisago	3-PA	19	14	14				
	130028	South Lindstrom	3-PA	3						
23	130041	Green	3-PA	8	2	0	2			
24	130053	Comfort	3-PA	5	2	2				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				104	58	55	3	0	0	16
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	1	0				0	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCES				1	0	0	0	0	0	0

August 18, 1996

seq	DOW	Name of Lake		total					private	empty
#	Number	or River	category	boats	vehicles	PA1	PA2	PA3	access	slips
1	100009	Minnewashta	1	10	10	3	7			
2	700026	Lower Prior	1	16	11	11			3	7
	700072	Upper Prior	1	46	30		27			14
3	820052	Big Marine	1	26	23	5	16		2	0
4	820167	White Bear	1	142	84	38	18		28	22
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				240	158	57	68	0	33	43
5	270031	Calhoun	2-PA	5	0	0				6
6	270019	Nokomis	2-PA	4	1	1				3
7	270067	Bryant	2-PA	3	3	3				
8	270111	Eagle	2-PA	10	11	11				
9	620078	Johanna	2-PA	11	11	11				
10	620056	Owasso	2-PA	19	8	8				
11	620057	Josephine	2-PA	7	6	6				
12	270137	Christmas	2-PA	6	7	7				
13	620061	Turtle	2-PA	24	23	23				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				89	70	70	0	0	0	9
14	820049	Big Carnelian	3-PA	10	8	8				
15	20026	Centerville	3-PA	3	4	4			0	
16	820159	Forest	3-PA	44	12	6	2	3	1	4
17	20026	Linwood	3-PA	17	16	16				
18	190026	Marion	3-PA	45	39	39				
19	100059	Waconia	3-PA	75	75	71			4	7
20	820163	Clear	3-PA	19	11	11				
21	700120	Thole	3-PA	0	0	0				
22	130012	Chisago	3-PA	52	49	49				
	130028	South Lindstrom	3-PA	24						
23	130041	Green	3-PA	24	10	9	1			
24	130053	Comfort	3-PA	8	5	5				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				321	229	218	3	3	5	11
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	4	0					
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCES				4	0	0	0	0	0	0

August 21, 1996

seq	DOW	Name of Lake		total					private	empty
#	Number	or River	category	boats	vehicles	PA1	PA2	PA3	access	slips
1	100009	Minnewashta	1	5	4	4	0			
2	700026	Lower Prior	1	9	7	7			0	3
	700072	Upper Prior	1	24	13		13			8
3	820052	Big Marine	1	9	6	1	5			0
4	820167	White Bear	1	47	20	12	5		3	0
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				94	50	24	23	0	3	11
5	270031	Calhoun	2-PA	14	0	0				16
6	270019	Nokomis	2-PA	7	2	2				6
7	270067	Bryant	2-PA	9	7	7				
8	270111	Eagle	2-PA	5	3	3				
9	620078	Johanna	2-PA	8	8	8				
10	620056	Owasso	2-PA	6	6	6				
11	620057	Josephine	2-PA	3	2	2				
12	270137	Christmas	2-PA	5	2	2				
13	620061	Turtle	2-PA	6	5	5				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				63	35	35	0	0	0	22
14	820049	Big Carnelian	3-PA	6	5	5				
15	20026	Centerville	3-PA	3	1	1			0	
16	820159	Forest	3-PA	24	12	3	5	4	0	4
17	20026	Linwood	3-PA	7	2	2				
18	190026	Marion	3-PA	19	18	18				
19	100059	Waconia	3-PA	14	8	8				7
20	820163	Clear	3-PA	2	2	2				
21	700120	Thole	3-PA	0	0	0				
22	130012	Chisago	3-PA	19	14	14				
	130028	South Lindstrom	3-PA	4						
23	130041	Green	3-PA	7	6	6				
24	130053	Comfort	3-PA	2	2	2				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				107	70	61	5	4	0	11
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	2	2				2	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				2	2	0	0	0	2	0

September 1, 1996

seq	DOW	Name of Lake		total					private	empty
#	Number	or River	category	boats	vehicles	PA1	PA2	PA3	access	slips
1	100009	Minnewashta	1	23	9	4	5			
2	700026	Lower Prior	1	44	11	11			3	18
	700072	Upper Prior	1	75	46		43			12
3	820052	Big Marine	1	30	8	4	4		0	7
4	820167	White Bear	1	213	115	53	27		35	27
TOTAL FOR CATEGORY 1, PUBLIC ACCESS				385	189	72	79	0	38	64
5	270031	Calhoun	2-PA	16	0	0				15
6	270019	Nokomis	2-PA	9	3	3				7
7	270067	Bryant	2-PA	8	7	7				
8	270111	Eagle	2-PA	19	11	11				
9	620078	Johanna	2-PA	4	3	3				
10	620056	Owasso	2-PA	10	8	8				
11	620057	Josephine	2-PA	4	4	4				
12	270137	Christmas	2-PA	17	4	4				
13	620061	Turtle	2-PA	16	14	14				
TOTAL FOR CATEGORY 2-PA, PUBLIC ACCESS				103	54	54	0	0	0	22
14	820049	Big Carnelian	3-PA	12	11	11				
15	20026	Centerville	3-PA	9	9	9			0	
16	820159	Forest	3-PA	116	61	27	11	19	4	13
17	20026	Linwood	3-PA	21	12	12				
18	190026	Marion	3-PA	42	38	38				
19	100059	Waconia	3-PA	84	63	49			14	1
20	820163	Clear	3-PA	20	13	13				
21	700120	Thole	3-PA	1	0	0				
22	130012	Chisago	3-PA	70	47	47				
	130028	South Lindstrom	3-PA	17	0					
23	130041	Green	3-PA	41	26	12	14			
24	130053	Comfort	3-PA	16	5	5				
TOTAL FOR CATEGORY 3-PA, PUBLIC ACCESS				449	285	223	25	19	18	14
25	20052	Netta	3-NPA	0	0					
26	130031	Sunrise	3-NPA	10	6				6	
TOTAL FOR CATEGORY 3-NPA, NO PUBLIC ACCESS				10	6	0	0	0	6	0

## APPENDIX 1

### SURVEY RESULTS: METRO LAKES

Survey results in this appendix were compiled by the Minnesota Department of Natural Resources, Office of Planning, from data supplied as a part of this study. Survey results in this appendix do not include the special sample lakes (Fish and Long) which are presented in Appendix 2 or the rivers (Mississippi and St Croix) which are presented in Appendix 3.

Survey results for Metro Lakes were differentially weighted according to boating use by lake category, day of week, and source of use prior to analysis to ensure that responses from each stratum are appropriately represented in the results. Lake category included: category 1 lakes with public access, category 2 lakes with public access, category 3 lakes with public access, and category 3 lakes without public access. Day of week included: weekends/holidays and weekdays. Source of use included: public access, marina/private access, and residents.

Tables of survey results are broken down by day of week (all days, weekends/holidays, weekdays). Within each day of week breakdown, the results are reported by source of use (total, public access, marina/private access, residents). The column labeled 'Total' refers to all sources of use. The row labeled 'Number of surveys' shows the unweighted number of completed surveys in each of the column categories.

Type of boat

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Boat type												
Cruiser	2.8%	2.4%	3.2%	3.3%	2.3%	1.5%	4.6%	2.8%	3.2%	3.3%	1.8%	3.8%
Runabout	30.4%	31.0%	25.9%	31.6%	30.3%	30.3%	28.6%	31.2%	30.5%	31.6%	23.0%	32.0%
Fishing	38.6%	49.7%	32.7%	16.4%	38.2%	50.4%	30.9%	16.7%	39.0%	49.1%	34.6%	16.2%
Sailboat	5.1%	3.7%	15.5%	2.9%	5.8%	4.9%	16.4%	2.8%	4.3%	2.6%	14.5%	2.9%
Pontoon	11.2%	1.6%	2.8%	37.1%	12.2%	2.3%	2.2%	37.1%	10.2%	.9%	3.3%	37.0%
Canoe/Kayak	4.0%	1.6%	13.1%	4.6%	3.9%	1.8%	11.3%	4.8%	4.0%	1.5%	15.0%	4.4%
Jetski	6.8%	9.7%	4.4%	1.5%	6.1%	8.5%	4.2%	2.0%	7.6%	11.0%	4.7%	.8%
Other	1.2%	.2%	2.4%	2.7%	1.2%	.4%	1.8%	2.7%	1.1%	.0%	3.1%	2.8%
Number of surveys	2627	1032	811	784	1275	510	392	373	1352	522	419	411

Number of adults

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Adults									
0	3.4%	3.6%	2.9%	3.5%	3.8%	1.9%	3.4%	3.3%	4.0%
1	26.2%	26.9%	23.0%	24.1%	24.5%	22.1%	28.4%	29.4%	23.9%
2	50.2%	49.7%	52.8%	50.2%	49.9%	51.8%	50.2%	49.5%	53.8%
3	13.6%	13.9%	12.6%	15.6%	16.0%	13.8%	11.6%	11.7%	11.3%
4	5.9%	5.4%	8.2%	6.1%	5.2%	10.0%	5.7%	5.6%	6.3%
5	.5%	.5%	.3%	.5%	.6%	.0%	.5%	.5%	.7%
6	.1%	.1%	.2%	.1%	.0%	.4%	.2%	.2%	.0%
8	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
Number of surveys	1843	1032	811	902	510	392	941	522	419

Number of teens

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Teens									
0	77.7%	77.9%	76.9%	76.8%	76.5%	78.2%	78.6%	79.3%	75.5%
1	11.4%	11.1%	12.6%	10.9%	10.6%	12.0%	11.9%	11.7%	13.2%
2	8.3%	8.4%	7.7%	9.6%	10.2%	6.7%	6.9%	6.6%	8.7%
3	.7%	.6%	1.3%	.5%	.2%	2.1%	.9%	1.0%	.6%
4	1.6%	1.7%	1.2%	2.1%	2.5%	.4%	1.2%	.9%	2.1%
5	.1%	.1%	.1%	.0%	.0%	.3%	.2%	.3%	.0%
6	.1%	.1%	.1%	.0%	.0%	.3%	.2%	.3%	.0%
Number of surveys	1843	1032	811	902	510	392	941	522	419

Number of children

Figures are: Column percent Children	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
0	75.0%	75.0%	75.0%	73.2%	72.9%	74.1%	76.8%	77.0%	75.8%
1	14.1%	13.9%	15.0%	15.1%	15.3%	13.9%	13.2%	12.5%	16.2%
2	9.7%	10.1%	8.1%	10.5%	11.0%	8.6%	8.9%	9.2%	7.5%
3	.7%	.5%	1.6%	.7%	.2%	3.0%	.7%	.8%	.3%
4	.5%	.5%	.3%	.5%	.6%	.4%	.4%	.5%	.1%
Number of surveys	1843	1032	811	902	510	392	941	522	419

Number of occupants

Figures are: Column percent Occupants	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
1	14.8%	16.7%	13.4%	11.1%	13.6%	15.2%	13.3%	10.2%	16.1%	18.2%	13.5%	12.3%
2	34.0%	35.0%	37.1%	30.1%	31.1%	33.4%	31.1%	26.4%	37.1%	36.7%	43.4%	34.6%
3	20.5%	23.2%	19.9%	14.8%	21.4%	24.2%	22.8%	14.8%	19.6%	22.2%	16.8%	14.8%
4	18.9%	18.1%	22.6%	18.7%	20.6%	19.1%	25.1%	21.6%	17.0%	17.0%	20.0%	15.2%
5	4.9%	4.0%	3.8%	7.5%	4.9%	4.6%	4.6%	5.6%	4.9%	3.4%	2.9%	10.0%
6	3.3%	1.7%	2.2%	7.6%	3.8%	1.7%	2.5%	8.9%	2.8%	1.7%	2.0%	6.0%
7	1.2%	.5%	.3%	3.1%	1.2%	.6%	.0%	3.2%	1.1%	.5%	.7%	3.1%
8	1.3%	.7%	.7%	2.8%	1.7%	1.1%	.6%	3.5%	.8%	.3%	.7%	2.0%
9	.4%	.0%	.0%	1.6%	.6%	.0%	.0%	2.1%	.2%	.0%	.0%	.9%
10	.2%	.0%	.0%	.8%	.2%	.0%	.0%	.9%	.2%	.0%	.0%	.8%
11	.0%	.0%	.0%	.1%	.0%	.0%	.0%	.2%	.0%	.0%	.0%	.0%
12	.1%	.0%	.0%	.4%	.2%	.0%	.0%	.7%	.0%	.0%	.0%	.0%
14	.1%	.0%	.0%	.3%	.2%	.0%	.0%	.6%	.0%	.0%	.0%	.0%
15	.1%	.0%	.0%	.5%	.1%	.0%	.0%	.5%	.1%	.0%	.0%	.4%
16	.0%	.0%	.0%	.1%	.1%	.0%	.0%	.2%	.0%	.0%	.0%	.0%
20	.1%	.0%	.0%	.3%	.1%	.0%	.0%	.5%	.0%	.0%	.0%	.0%
26	.0%	.0%	.0%	.1%	.0%	.0%	.0%	.2%	.0%	.0%	.0%	.0%
Number of surveys	2619	1032	811	776	1271	510	392	369	1348	522	419	407

Percent of adults wearing life jackets

Figures are: Column percent Percent adults	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
0	41.3%	41.3%	41.3%	40.5%	39.1%	46.4%	42.1%	43.5%	35.9%
25	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
33	2.9%	3.2%	1.6%	3.5%	3.8%	2.0%	2.3%	2.5%	1.2%
50	8.6%	8.8%	7.8%	9.6%	10.3%	6.9%	7.5%	7.2%	8.8%
67	1.4%	1.4%	1.5%	1.3%	1.2%	1.5%	1.5%	1.5%	1.4%
75	.5%	.5%	.2%	.6%	.6%	.4%	.4%	.5%	.0%
100	45.4%	44.9%	47.6%	44.6%	45.0%	42.8%	46.2%	44.7%	52.7%
Number of surveys	1801	1006	795	882	496	386	919	510	409

Percent of teens wearing life jackets

Figures are: Column percent Percent teens	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
0	27.6%	27.8%	26.9%	26.4%	25.4%	31.1%	29.0%	30.5%	22.9%
25	2.4%	2.6%	1.5%	4.0%	4.9%	.0%	.6%	.0%	2.9%
50	1.7%	1.8%	1.4%	1.0%	.8%	1.7%	2.5%	2.9%	1.1%
60	.7%	.7%	.6%	.2%	.0%	1.2%	1.1%	1.4%	.0%
67	1.0%	.9%	1.6%	.6%	.0%	3.4%	1.5%	1.9%	.0%
100	66.6%	66.3%	68.1%	67.8%	68.9%	62.6%	65.3%	63.3%	73.1%
Number of surveys	384	212	172	183	108	75	201	104	97

Percent of children wearing life jackets

Figures are: Column percent Percent children	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
0	11.6%	11.2%	13.2%	13.6%	13.6%	13.6%	9.3%	8.5%	12.8%
100	88.4%	88.8%	86.8%	86.4%	86.4%	86.4%	90.7%	91.5%	87.2%
Number of surveys	474	288	186	242	151	91	232	137	95

Percent of occupants wearing life jackets

Figures are: Column percent Percent occupants	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
0	33.9%	34.0%	33.4%	32.3%	31.2%	37.0%	35.6%	36.9%	29.8%
20	.0%	.0%	.2%	.1%	.0%	.4%	.0%	.0%	.0%
25	.0%	.0%	.3%	.0%	.0%	.0%	.1%	.0%	.6%
29	.5%	.5%	.3%	.5%	.6%	.0%	.5%	.5%	.7%
33	4.7%	5.0%	3.1%	5.1%	5.4%	3.9%	4.2%	4.6%	2.2%
40	.2%	.2%	.4%	.1%	.0%	.7%	.3%	.4%	.0%
50	8.7%	8.9%	8.0%	10.1%	10.8%	6.8%	7.4%	7.0%	9.2%
60	.8%	.8%	1.0%	1.2%	1.1%	1.5%	.4%	.4%	.6%
67	5.2%	5.4%	4.2%	5.1%	5.2%	4.5%	5.3%	5.6%	3.9%
75	2.5%	2.4%	2.9%	3.2%	3.3%	3.0%	1.7%	1.5%	2.8%
80	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
100	43.4%	42.7%	46.2%	42.3%	42.3%	42.2%	44.5%	43.2%	50.4%
Number of surveys	1843	1032	811	902	510	392	941	522	419

Where did you launch your boat?

Figures are: Column percent Launch site	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
This access/marina	98.2%	98.4%	97.5%	98.0%	97.9%	98.5%	98.5%	98.9%	96.4%
Other public access	.5%	.4%	.9%	.1%	.0%	.7%	.9%	.9%	1.1%
Private access	.5%	.4%	.7%	.5%	.6%	.4%	.4%	.2%	1.1%
Other marina	.6%	.6%	.7%	1.0%	1.2%	.4%	.2%	.0%	1.1%
Other	.2%	.2%	.1%	.3%	.4%	.0%	.1%	.0%	.3%
Number of surveys	1841	1032	809	900	510	390	941	522	419

Where did you park?

Figures are: Column percent Parking site	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
This lot	92.0%	92.0%	91.6%	91.6%	92.4%	92.4%
Street	4.5%	4.5%	4.5%	4.5%	4.6%	4.6%
Friend's home	.6%	.6%	1.2%	1.2%	.0%	.0%
Another lot	2.1%	2.1%	1.3%	1.3%	2.8%	2.8%
At home	.4%	.4%	.6%	.6%	.2%	.2%
Other	.4%	.4%	.8%	.8%	.0%	.0%
Number of surveys	1022	1022	509	509	513	513

How far away is that?

Figures are: Column percent Miles	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
.00	24.6%	24.6%	30.5%	30.5%	18.0%	18.0%
.25	40.5%	40.5%	44.0%	44.0%	36.6%	36.6%
.50	30.0%	30.0%	20.8%	20.8%	40.3%	40.3%
1.00	2.4%	2.4%	2.3%	2.3%	2.6%	2.6%
1.50	1.2%	1.2%	2.3%	2.3%	.0%	.0%
4.00	1.2%	1.2%	.0%	.0%	2.6%	2.6%
Number of surveys	112	112	70	70	42	42

What time did you launch?

Figures are: Column percent Time	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Midnight - 6am	1.0%	.7%	.3%	2.0%	1.0%	.6%	.3%	2.4%	.9%	.8%	.3%	1.5%
6am - noon	32.6%	35.0%	38.4%	24.0%	41.5%	49.6%	39.3%	25.5%	23.0%	20.2%	37.5%	22.2%
Noon - 6pm	56.7%	59.7%	58.6%	49.1%	49.8%	47.5%	57.6%	51.0%	64.2%	72.0%	59.6%	46.7%
6pm - midnight	9.7%	4.7%	2.8%	24.9%	7.7%	2.3%	2.9%	21.1%	11.9%	7.1%	2.6%	29.6%
Number of surveys	2611	1030	810	771	1271	509	392	370	1340	521	418	401

That means you were on the lake/river about \_\_\_\_ hours. Is that correct?

Figures are: Column percent Hours	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Mean	2.8	2.8	3.0	2.7	3.0	3.0	3.0	2.8	2.7	2.7	2.9	2.6
Median	2.5	2.5	2.5	2.0	2.5	3.0	2.5	2.0	2.5	2.5	2.0	2.0
Minimum	.3	.3	.5	.5	.3	.3	.5	.5	.5	.5	.5	.5
Maximum	28.0	28.0	24.0	18.5	24.0	12.0	24.0	13.0	28.0	28.0	24.0	18.5
Number of surveys	2577	1027	810	740	1255	507	391	357	1322	520	419	383

That means you were on the lake/river about \_\_\_ hours. Is that correct?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Hours												
0.1 - 1.9	24.6%	20.7%	22.9%	34.5%	19.9%	15.4%	16.5%	31.1%	29.7%	26.1%	29.5%	38.8%
2.0 - 2.9	29.9%	30.6%	32.1%	27.0%	32.9%	34.5%	34.7%	28.6%	26.7%	26.7%	29.4%	25.1%
3.0 - 3.9	22.5%	26.7%	20.5%	13.9%	20.7%	23.7%	23.8%	13.0%	24.4%	29.7%	17.0%	15.1%
4.0 - 4.9	11.8%	12.1%	10.8%	11.8%	13.4%	13.7%	11.7%	13.5%	10.2%	10.4%	9.8%	9.7%
5+	11.2%	9.9%	13.8%	12.7%	13.1%	12.8%	13.2%	13.8%	9.1%	7.0%	14.3%	11.3%
Number of surveys	2577	1027	810	740	1255	507	391	357	1322	520	419	383

How many of those hours were spent on shore or tied up at a dock?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Hours									
Mean	.2	.2	.2	.2	.2	.3	.2	.2	.2
Median	.0	.0	.0	.0	.0	.0	.0	.0	.0
Minimum	.0	.0	.0	.0	.0	.0	.0	.0	.0
Maximum	12.0	6.0	12.0	12.0	3.0	12.0	12.0	6.0	12.0
Number of surveys	1843	1032	811	902	510	392	941	522	419

How many of those hours were spent on shore or tied up at a dock?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Hours									
.0	81.1%	81.2%	81.1%	79.0%	78.6%	80.9%	83.3%	83.7%	81.3%
0.1 - 1.9	15.7%	15.7%	15.6%	17.3%	17.7%	15.1%	14.1%	13.7%	16.0%
2.0 - 2.9	3.1%	3.1%	2.8%	3.6%	3.7%	3.4%	2.5%	2.6%	2.1%
3.0 - 3.9	.1%	.0%	.3%	.1%	.0%	.4%	.0%	.0%	.3%
5+	.0%	.0%	.3%	.0%	.0%	.3%	.1%	.0%	.3%
Number of surveys	1843	1032	811	902	510	392	941	522	419

What was your group's primary activity on the lake/river today?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Activity												
Fishing	43.6%	53.6%	44.3%	20.8%	44.7%	55.8%	45.7%	21.5%	42.5%	51.4%	42.7%	19.9%
Water skiing	13.5%	14.3%	13.6%	11.8%	12.2%	11.6%	17.0%	11.1%	15.0%	17.0%	10.2%	12.6%
Sailing	4.5%	3.7%	10.1%	3.4%	4.9%	4.9%	8.9%	3.3%	4.0%	2.6%	11.3%	3.6%
Canoeing	2.9%	1.6%	6.5%	4.2%	2.4%	1.9%	5.5%	4.1%	3.5%	1.2%	12.7%	4.2%
Boat ride	32.8%	26.0%	24.9%	52.2%	32.6%	25.0%	27.2%	50.7%	33.1%	27.0%	22.5%	54.1%
Transport	2.6%	.8%	.6%	7.6%	3.2%	.8%	.6%	9.4%	1.9%	.8%	.6%	5.5%
Number of surveys	2621	1030	808	783	1271	508	390	373	1350	522	418	410

While you were boating today, did you pull your boat up on the beach?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Response												
Yes	19.1%	21.0%	20.6%	14.1%	21.4%	25.5%	19.3%	14.2%	16.5%	16.4%	21.9%	13.9%
No	80.9%	79.0%	79.4%	85.9%	78.6%	74.5%	80.7%	85.8%	83.5%	83.6%	78.1%	86.1%
Number of surveys	2597	1015	802	780	1259	501	387	371	1338	514	415	409

While you were boating today, did you anchor or tie up with other boats into a raft?

Figures are: Column percent	All days				Weekends				Weekdays			
	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total
Response												
Yes	7.0%	6.2%	8.3%	8.4%	8.8%	8.0%	9.4%	10.2%	5.2%	4.3%	7.0%	6.2%
No	93.0%	93.8%	91.7%	91.6%	91.2%	92.0%	90.6%	89.8%	94.8%	95.7%	93.0%	93.8%
Number of surveys	2598	1011	805	782	1262	502	389	371	1336	509	416	411

Are there sufficient opportunities on the lake/river to:  
Beach your boat?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Response												
Yes	61.2%	61.7%	62.0%	59.6%	61.6%	65.8%	58.1%	54.4%	60.7%	57.5%	66.1%	65.9%
No	21.0%	19.4%	20.1%	25.4%	21.3%	16.6%	26.1%	28.9%	20.8%	22.2%	13.7%	21.2%
Don't know	17.8%	18.9%	18.0%	15.0%	17.1%	17.6%	15.9%	16.7%	18.5%	20.3%	20.2%	12.9%
Number of surveys	2574	1018	804	752	1249	501	391	357	1325	517	413	395

Are there sufficient opportunities on the lake/river to:  
Anchor or tie up with other boats into rafts?

Figures are: Column percent Response	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Yes	63.4%	62.2%	60.2%	67.7%	66.5%	66.6%	61.4%	68.7%	60.0%	57.8%	58.9%	66.5%
No	17.8%	20.5%	22.0%	9.2%	16.6%	18.5%	22.7%	9.5%	19.0%	22.5%	21.2%	8.8%
Don't know	18.8%	17.3%	17.8%	23.1%	16.9%	14.8%	15.8%	21.8%	20.9%	19.7%	19.9%	24.7%
Number of surveys	2569	1022	804	743	1247	503	391	353	1322	519	413	390

Are there sufficient opportunities on the lake/river to:  
Use picnic areas or toilets at a public lakeshore wayside?

Figures are: Column percent Response	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Yes	68.1%	73.8%	72.1%	52.9%	66.6%	72.7%	73.2%	50.3%	69.8%	74.8%	71.1%	56.0%
No	17.6%	14.8%	13.2%	26.5%	18.4%	15.4%	13.8%	27.0%	16.8%	14.2%	12.5%	26.0%
Don't know	14.2%	11.4%	14.7%	20.6%	15.0%	11.9%	13.0%	22.7%	13.4%	11.0%	16.4%	18.0%
Number of surveys	2585	1027	807	751	1256	506	391	359	1329	521	416	392

Are there sufficient opportunities on the lake/river to:  
Use restaurants?

Figures are: Column percent Response	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Yes	23.0%	17.8%	29.7%	32.2%	26.9%	22.4%	32.5%	33.8%	18.9%	13.0%	26.7%	30.1%
No	57.1%	59.8%	50.4%	54.4%	54.0%	55.4%	53.1%	51.5%	60.5%	64.2%	47.7%	58.0%
Don't know	19.8%	22.4%	19.9%	13.5%	19.1%	22.1%	14.5%	14.7%	20.6%	22.8%	25.6%	11.9%
Number of surveys	2564	1025	807	732	1245	506	391	348	1319	519	416	384

Are there sufficient opportunities on the lake/river to:  
Purchase gasoline?

Figures are: Column percent Response	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Yes	28.3%	24.2%	42.1%	30.7%	30.6%	25.2%	51.8%	32.1%	25.7%	23.2%	31.9%	28.9%
No	58.5%	56.1%	41.8%	53.4%	50.9%	53.6%	37.7%	51.6%	56.2%	58.7%	46.1%	55.6%
Don't know	18.3%	19.7%	16.1%	15.9%	18.4%	21.2%	10.6%	16.3%	18.1%	18.2%	22.0%	15.5%
Number of surveys	2561	1021	805	735	1245	505	391	349	1316	516	414	386

What is the length of your boat?

Figures are: Column percent Feet	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Mean	16.3	15.6	15.9	18.1	16.4	15.6	16.4	18.0	16.2	15.6	15.4	18.2
Median	16.0	16.0	16.0	18.0	16.0	16.0	16.0	18.0	16.0	16.0	16.0	18.0
Minimum	1.0	5.0	3.0	1.0	1.0	6.0	3.0	1.0	3.0	5.0	3.0	6.0
Maximum	85.0	45.0	85.0	30.0	79.0	28.0	79.0	30.0	85.0	45.0	85.0	28.0
Number of surveys	2594	1024	810	760	1257	506	392	359	1337	518	418	401

What is the length of your boat?

Figures are: Column percent Feet	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
< 13	13.8%	16.6%	16.1%	6.2%	12.9%	15.9%	13.7%	6.3%	14.8%	17.4%	18.6%	6.0%
13 - 14	12.9%	13.8%	13.1%	10.6%	12.7%	13.8%	12.6%	10.4%	13.1%	13.8%	13.6%	11.0%
15 - 16	27.4%	30.7%	30.6%	18.0%	28.4%	33.2%	25.3%	19.4%	26.3%	28.1%	36.1%	16.2%
17 - 20	35.6%	32.5%	30.2%	45.6%	34.6%	30.0%	34.1%	44.8%	36.6%	35.1%	26.1%	46.5%
21 - 25	9.8%	6.4%	9.4%	17.8%	10.6%	7.1%	13.2%	16.6%	8.9%	5.6%	5.4%	19.2%
> 25	.6%	.0%	.7%	1.8%	.8%	.0%	1.1%	2.4%	.3%	.0%	.3%	1.1%
Number of surveys	2594	1024	810	760	1257	506	392	359	1337	518	418	401

What size motor do you have?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Horsepower												
Mean	80.2	80.8	81.4	77.9	76.4	73.8	87.5	77.6	84.3	87.9	74.5	78.4
Median	70.0	70.0	75.0	50.0	65.0	65.0	80.0	50.0	70.0	75.0	65.0	50.0
Minimum	1.0	1.0	2.0	2.0	2.0	2.0	5.0	2.0	1.0	1.0	2.0	2.0
Maximum	750.0	750.0	471.0	550.0	750.0	750.0	471.0	550.0	600.0	600.0	471.0	350.0
Number of surveys	2204	970	608	626	1073	472	297	304	1131	498	311	322

What size motor do you have?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Horsepower												
< 11	10.1%	9.6%	9.9%	11.5%	10.0%	9.1%	10.0%	12.1%	10.1%	10.0%	9.9%	10.6%
11 - 20	7.2%	7.4%	7.6%	6.8%	7.4%	7.0%	9.3%	7.3%	7.1%	7.7%	5.7%	6.1%
21 - 50	25.3%	22.3%	20.7%	35.2%	26.9%	25.7%	17.0%	33.9%	23.6%	18.9%	24.8%	36.8%
51 - 100	28.7%	32.1%	32.0%	18.6%	29.2%	33.9%	28.8%	18.4%	28.3%	30.3%	35.5%	18.8%
> 100	28.6%	28.7%	29.8%	27.9%	26.5%	24.3%	34.9%	28.2%	30.9%	33.1%	24.2%	27.6%
Number of surveys	2204	970	608	626	1073	472	297	304	1131	498	311	322

What type of motor do you have

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Motor type												
Gas	89.2%	92.4%	70.8%	91.6%	89.7%	92.0%	73.3%	92.8%	88.7%	92.7%	68.1%	90.1%
Electric	1.4%	1.9%	.6%	.5%	1.2%	1.7%	.6%	.2%	1.6%	2.1%	.6%	.8%
No motor	8.6%	4.8%	28.6%	7.0%	8.9%	6.1%	26.0%	6.7%	8.2%	3.5%	31.2%	7.4%
Don't know	.8%	1.0%	.1%	.9%	.2%	.2%	.0%	.3%	1.5%	1.7%	.1%	1.7%
Number of surveys	2612	1029	811	772	1266	510	392	364	1346	519	419	408

What size #2 motor do you have?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Horsepower												
Mean	12.6	10.0	17.7	15.7	10.3	9.5	20.5	8.6	15.8	10.5	14.9	28.6
Median	5.0	5.0	5.0	9.0	5.0	5.0	10.0	8.0	6.0	5.0	5.0	10.0
Minimum	1.0	2.0	3.0	1.0	1.0	3.0	5.0	1.0	1.0	2.0	3.0	1.0
Maximum	671.0	115.0	671.0	260.0	671.0	99.0	671.0	35.0	671.0	115.0	671.0	260.0
Number of surveys	211	45	131	35	113	28	65	20	98	17	66	15

What size #2 motor do you have?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Horsepower												
< 11	78.7%	79.8%	66.5%	81.7%	84.8%	84.0%	65.4%	92.0%	70.4%	74.3%	67.5%	62.8%
11 - 20	7.2%	8.0%	11.1%	4.1%	4.8%	4.1%	15.9%	2.7%	10.5%	13.1%	6.6%	6.6%
21 - 50	12.8%	12.2%	17.9%	12.1%	9.4%	11.9%	9.4%	5.3%	17.6%	12.5%	25.9%	24.4%
51 - 100	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
> 100	1.2%	.0%	4.5%	2.2%	1.0%	.0%	9.3%	.0%	1.6%	.0%	.0%	6.1%
Number of surveys	211	45	131	35	113	28	65	20	98	17	66	15

What type of #2 motor do you have?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Motor type												
Gas	12.8%	17.7%	9.3%	9.7%	14.1%	19.9%	9.1%	10.7%	11.4%	15.3%	9.5%	8.5%
Electric	41.6%	72.4%	28.7%	17.9%	40.6%	69.7%	30.8%	17.7%	42.7%	75.6%	26.6%	18.2%
No motor	44.8%	9.9%	62.0%	70.5%	44.7%	10.5%	60.1%	70.3%	44.8%	9.1%	63.9%	70.6%
Don't know	.8%	.0%	.0%	1.9%	.6%	.0%	.0%	1.3%	1.1%	.0%	.0%	2.7%
Number of surveys	1141	255	427	459	559	126	218	215	582	129	209	244

Which of the following do you have on your boat?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Safety equipment												
Fire extinguisher	51.1%	48.5%	49.8%	57.5%	51.3%	46.5%	59.7%	57.1%	50.9%	50.4%	39.9%	58.1%
Horn	41.2%	34.6%	35.1%	58.6%	39.7%	29.7%	41.5%	58.7%	42.8%	39.5%	28.6%	58.4%
Lights	74.1%	73.2%	67.0%	79.7%	75.1%	71.9%	76.1%	81.1%	73.1%	74.5%	57.8%	77.9%
Visual signal	18.3%	19.9%	21.5%	13.3%	19.9%	23.5%	24.0%	11.1%	16.6%	16.3%	19.0%	16.0%
None	20.0%	19.8%	25.7%	17.6%	17.3%	19.1%	12.8%	16.0%	22.8%	20.5%	38.6%	19.6%
Don't know	.7%	.6%	.5%	1.1%	.8%	.8%	.7%	.8%	.6%	.3%	.3%	1.4%
Number of surveys	2482	943	774	765	1190	461	367	362	1292	482	407	403

How far is your home from here?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Miles									
Mean	17.9	15.8	27.7	12.9	12.3	15.4	23.1	19.3	40.5
Median	8.0	8.0	10.0	10.0	10.0	10.0	7.0	6.0	10.0
Minimum	.0	.0	.0	.0	.0	.0	.0	.0	.0
Maximum	2400.0	2400.0	2000.0	1000.0	85.0	1000.0	2400.0	2400.0	2000.0
Number of surveys	1843	1032	811	902	510	392	941	522	419

How far is your home from here?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Miles									
< 6	39.7%	40.8%	34.8%	36.4%	36.5%	35.8%	43.0%	45.1%	33.8%
6 - 10	22.0%	22.7%	18.7%	19.2%	19.1%	19.7%	24.7%	26.3%	17.8%
11 - 15	15.0%	15.2%	14.0%	17.0%	17.5%	14.9%	13.0%	12.9%	13.2%
16 - 20	9.1%	8.5%	11.6%	10.8%	10.4%	12.7%	7.3%	6.6%	10.5%
> 20	14.2%	12.7%	20.8%	16.5%	16.4%	16.9%	11.9%	9.1%	24.8%
Number of surveys	1843	1032	811	902	510	392	941	522	419

Are you the registered boat owner?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	83.9%	85.4%	77.3%	83.4%	83.9%	80.9%	84.5%	86.9%	73.6%
No	16.1%	14.6%	22.7%	16.6%	16.1%	19.1%	15.5%	13.1%	26.4%
Number of surveys	1843	1032	811	902	510	392	941	522	419

Do you have a home or other residence on this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	3.0%	2.8%	3.5%	2.9%	2.5%	4.5%	3.0%	3.1%	2.4%
No	97.0%	97.2%	96.5%	97.1%	97.5%	95.5%	97.0%	96.9%	97.6%
Number of surveys	1829	1023	806	893	503	390	936	520	416

How many years have you been boating on this lake/river?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Years												
Mean	11.1	8.5	7.9	18.3	11.4	8.7	8.1	18.1	10.7	8.2	7.7	18.5
Median	6.0	5.0	5.0	14.0	7.0	5.0	5.0	15.0	5.0	4.0	4.0	14.0
Minimum	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Maximum	80.0	45.0	50.0	80.0	78.0	45.0	50.0	78.0	80.0	45.0	48.0	80.0
Number of surveys	2655	1032	811	812	1302	510	392	400	1353	522	419	412

How many years have you been boating on this lake/river?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Years												
< 6	46.9%	55.3%	57.0%	23.7%	43.8%	51.0%	55.8%	24.5%	50.4%	59.7%	58.3%	22.6%
6 - 10	19.0%	19.1%	19.8%	18.5%	20.6%	21.8%	19.7%	18.5%	17.4%	16.4%	19.9%	18.5%
11 - 15	10.1%	10.0%	9.3%	10.8%	11.0%	11.6%	10.5%	10.2%	9.1%	8.3%	8.0%	11.5%
16 - 20	7.1%	6.1%	5.8%	10.0%	7.6%	7.1%	5.6%	9.3%	6.7%	5.1%	6.0%	10.9%
21 - 30	8.2%	4.6%	4.9%	17.5%	8.7%	4.7%	5.3%	18.2%	7.6%	4.6%	4.4%	16.6%
> 30	8.6%	4.8%	3.3%	19.6%	8.3%	3.8%	3.1%	19.2%	9.0%	5.8%	3.4%	20.0%
Number of surveys	2655	1032	811	812	1302	510	392	400	1353	522	419	412

Have you taken a formal course in boating safety

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Response												
Yes	32.9%	36.9%	37.5%	21.1%	32.3%	36.0%	41.2%	20.5%	33.4%	37.9%	33.6%	21.9%
No	66.1%	62.3%	61.2%	77.5%	67.1%	64.0%	58.1%	77.7%	65.2%	60.6%	64.4%	77.3%
Don't know	1.0%	.8%	1.3%	1.3%	.6%	.0%	.7%	1.8%	1.4%	1.6%	2.0%	.8%
Number of surveys	2601	1028	809	764	1263	508	392	363	1338	520	417	401

Did you travel through any parts of the lake/river where you thought there were too many boats?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Response												
Yes	12.5%	7.0%	12.9%	24.5%	13.8%	6.3%	17.2%	27.5%	11.0%	7.6%	8.4%	20.7%
No	85.5%	91.5%	83.9%	73.2%	83.6%	91.9%	77.0%	69.7%	87.6%	91.0%	91.1%	77.4%
Don't know	2.0%	1.6%	3.2%	2.4%	2.6%	1.8%	5.8%	2.8%	1.4%	1.4%	.4%	1.9%
Number of surveys	2596	1012	802	782	1257	499	386	372	1339	513	416	410

How does the number of boats you encountered on this trip compare to the number of boats you have seen on other trips on this same part of the lake/river?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Number of boats												
Substantially fewer	16.5%	16.4%	16.1%	17.0%	15.8%	17.6%	13.7%	13.1%	17.2%	15.1%	18.6%	21.7%
Slightly fewer	22.9%	28.1%	22.3%	11.4%	19.0%	22.5%	21.4%	10.8%	27.0%	33.7%	23.4%	12.2%
About the same	42.1%	41.4%	41.3%	43.9%	42.5%	42.0%	42.2%	43.7%	41.6%	40.9%	40.5%	44.2%
Slightly more	7.0%	4.7%	8.7%	11.1%	8.8%	6.5%	10.9%	12.6%	5.0%	3.0%	6.4%	9.2%
Substantially more	7.6%	5.5%	5.7%	13.4%	10.2%	8.0%	5.5%	16.7%	5.0%	3.0%	5.9%	9.3%
Not here before	1.7%	1.7%	4.0%	.5%	1.2%	.8%	4.8%	.5%	2.2%	2.7%	3.1%	.6%
Don't know	2.2%	2.1%	1.8%	2.8%	2.5%	2.6%	1.5%	2.7%	2.0%	1.6%	2.1%	2.8%
Number of surveys	2607	1023	806	778	1264	505	388	371	1343	518	418	407

From a safety standpoint, how do you feel about the number of boats on the lake/river today?

Figures are: Column percent Feel	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Few boats	13.5%	13.2%	14.1%	13.8%	12.9%	13.2%	13.2%	12.3%	14.1%	13.3%	15.1%	15.5%
About right	70.2%	77.3%	72.5%	52.7%	68.0%	76.0%	68.7%	50.9%	72.5%	78.6%	76.4%	55.0%
Crowded	11.0%	5.7%	8.5%	24.3%	13.0%	6.6%	11.2%	27.3%	8.8%	4.9%	5.8%	20.5%
Far too crowded	2.9%	1.2%	2.4%	7.1%	3.5%	1.3%	3.9%	7.9%	2.3%	1.1%	.8%	6.2%
Don't know	2.4%	2.5%	2.5%	2.1%	2.6%	2.9%	3.0%	1.6%	2.3%	2.1%	1.9%	2.8%
Number of surveys	2614	1027	810	777	1267	507	391	369	1347	520	419	408

Again from a safety standpoint, how do you feel about the number of boats that are "usually" on the lake/river?

Figures are: Column percent Feel	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Few boats	4.5%	4.4%	4.4%	4.9%	4.9%	4.3%	5.6%	5.9%	4.1%	4.5%	3.2%	3.8%
About right	57.7%	61.0%	60.5%	49.0%	55.2%	58.0%	56.6%	48.6%	60.5%	64.0%	64.5%	49.4%
Crowded	26.8%	24.1%	22.1%	35.6%	28.4%	26.3%	22.5%	35.4%	25.2%	21.8%	21.6%	35.8%
Far too crowded	6.6%	5.3%	6.6%	9.4%	7.5%	6.6%	8.2%	9.2%	5.5%	4.0%	5.0%	9.7%
Don't know	4.4%	5.4%	6.4%	1.1%	4.0%	4.9%	7.0%	.9%	4.7%	5.8%	5.8%	1.3%
Number of surveys	2612	1027	808	777	1265	506	389	370	1347	521	419	407

What special boating restrictions are there for this lake/river?

Figures are: Column percent Restriction	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Speed/quiet waters	36.5%	35.4%	36.6%	38.9%	35.0%	32.2%	43.1%	36.9%	38.1%	38.6%	29.8%	41.2%
Horsepower	6.5%	6.6%	11.5%	3.8%	6.3%	6.6%	10.7%	3.4%	6.7%	6.5%	12.3%	4.3%
Time	7.0%	4.7%	6.2%	12.5%	6.7%	4.0%	6.7%	12.1%	7.3%	5.4%	5.6%	13.0%
Boat type/size	9.3%	11.9%	12.9%	1.6%	10.1%	13.0%	15.5%	1.5%	8.5%	10.8%	10.1%	1.7%
Area of lake	6.8%	4.7%	4.8%	12.7%	5.9%	3.6%	5.1%	11.0%	7.8%	5.7%	4.5%	14.8%
Remove exotics	48.0%	41.2%	41.4%	66.8%	46.7%	38.5%	41.7%	65.6%	49.5%	43.9%	41.0%	68.3%
Other	8.6%	9.1%	11.7%	6.0%	8.3%	9.0%	10.2%	6.3%	8.9%	9.3%	13.3%	5.7%
None	14.1%	14.3%	11.9%	14.7%	14.7%	14.9%	13.6%	14.7%	13.4%	13.6%	10.2%	14.7%
Don't know	21.9%	23.1%	23.0%	18.8%	21.8%	23.0%	18.6%	20.9%	22.0%	23.1%	27.6%	16.1%
Number of surveys	2575	1008	800	767	1243	491	388	364	1332	517	412	403

Overall, how do these restrictions affect your enjoyment of the lake/river?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Enjoyment												
Add to	45.3%	48.5%	44.5%	38.2%	46.4%	50.9%	49.4%	35.7%	44.0%	46.1%	39.3%	41.3%
Detract from	2.8%	1.0%	1.2%	7.7%	2.8%	1.1%	.4%	7.6%	2.8%	1.0%	2.1%	7.8%
Neutral	52.0%	50.5%	54.3%	54.1%	50.8%	48.0%	50.2%	56.8%	53.2%	52.9%	58.5%	50.9%
Number of surveys	2466	971	778	717	1177	465	374	338	1289	506	404	379

What special boating restrictions do you feel are needed on this lake/river?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Restriction												
Speed/quiet waters	21.3%	14.9%	14.8%	37.8%	24.2%	17.9%	13.4%	41.0%	18.2%	12.0%	16.2%	33.8%
Horsepower	13.5%	9.5%	11.1%	23.0%	15.6%	12.7%	10.3%	23.4%	11.2%	6.3%	12.0%	22.4%
Time	8.4%	5.2%	5.0%	17.0%	8.2%	3.3%	7.4%	18.0%	8.7%	7.1%	2.6%	15.8%
Boat type/size	18.4%	20.0%	19.9%	15.2%	18.7%	19.9%	21.0%	15.5%	18.0%	20.1%	14.9%	14.9%
Area of lake	6.5%	4.3%	5.4%	11.8%	6.7%	3.5%	7.6%	12.6%	6.3%	5.0%	3.2%	10.8%
More enforcement	17.2%	11.4%	11.0%	32.4%	18.0%	11.2%	16.2%	31.8%	16.4%	11.7%	5.7%	33.2%
Remove exotics	23.8%	15.3%	12.6%	47.3%	26.7%	17.4%	13.0%	50.7%	20.7%	13.2%	12.3%	43.1%
Other	16.9%	13.6%	13.8%	25.4%	16.7%	13.1%	16.4%	23.8%	17.1%	14.0%	11.1%	27.5%
None	32.4%	40.7%	40.2%	11.0%	29.0%	36.5%	38.5%	10.3%	35.9%	44.8%	41.9%	11.9%
Don't know	14.8%	17.4%	18.7%	7.6%	14.1%	16.5%	17.1%	8.1%	15.6%	18.2%	20.2%	6.9%
Number of surveys	2436	920	762	754	1161	443	360	358	1275	477	402	396

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Careless or inconsiderate operation of boats

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	76.8%	89.8%	87.1%	41.6%	75.0%	90.7%	84.3%	37.6%	78.8%	88.9%	89.9%	46.6%
Slight problem	9.4%	3.1%	6.3%	25.5%	10.5%	3.1%	8.1%	27.2%	8.3%	3.1%	4.5%	23.5%
Moderate problem	8.5%	4.0%	3.6%	21.3%	9.2%	3.3%	3.9%	24.1%	7.7%	4.7%	3.3%	17.9%
Serious problem	3.3%	1.4%	1.7%	8.4%	3.5%	1.7%	1.5%	8.2%	3.1%	1.1%	2.0%	8.6%
Very serious problem	1.5%	1.2%	.8%	2.5%	1.5%	1.0%	1.3%	2.6%	1.5%	1.4%	.3%	2.5%
Don't know	.5%	.5%	.5%	.6%	.3%	.2%	.9%	.3%	.7%	.8%	.0%	1.0%
Number of surveys	2607	1028	811	768	1267	507	392	368	1340	521	419	400

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boat operators who have been drinking too much

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	79.0%	89.1%	86.7%	52.0%	75.9%	89.1%	82.5%	45.2%	82.3%	89.0%	91.2%	60.4%
Slight problem	5.2%	2.2%	4.6%	12.4%	6.7%	2.7%	5.9%	15.3%	3.6%	1.7%	3.2%	8.8%
Moderate problem	3.5%	2.4%	3.2%	6.4%	3.3%	2.3%	3.7%	5.0%	3.8%	2.4%	2.6%	8.0%
Serious problem	1.3%	.9%	.3%	2.7%	1.3%	.8%	.4%	2.8%	1.2%	1.0%	.3%	2.5%
Very serious problem	.6%	.5%	.4%	.9%	.5%	.2%	.8%	1.0%	.7%	.8%	.0%	.8%
Don't know	10.4%	5.0%	4.8%	25.7%	12.4%	4.9%	6.8%	30.7%	8.3%	5.1%	2.8%	19.4%
Number of surveys	2605	1027	809	769	1265	507	391	367	1340	520	418	402

Based on your experience today, how much of a problem is each of the following on this lake/river?  
The amount of noise on the lake

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	77.0%	91.8%	90.4%	36.3%	75.4%	93.0%	85.9%	33.6%	78.7%	90.6%	95.2%	39.7%
Slight problem	9.8%	4.7%	5.3%	23.6%	10.9%	4.3%	7.6%	26.3%	8.5%	5.1%	2.9%	20.2%
Moderate problem	6.5%	1.3%	2.0%	20.5%	6.7%	1.0%	3.2%	20.4%	6.2%	1.7%	.7%	20.5%
Serious problem	3.5%	.7%	1.1%	11.1%	3.9%	.8%	1.5%	11.7%	3.1%	.7%	.7%	10.4%
Very serious problem	2.5%	.6%	.5%	7.7%	2.2%	.2%	1.0%	6.9%	2.8%	1.1%	.0%	8.6%
Don't know	.8%	.8%	.7%	.8%	.9%	.8%	.8%	1.1%	.7%	.8%	.6%	.5%
Number of surveys	2611	1028	809	774	1267	509	390	368	1344	519	419	406

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Near miss or collision

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	84.3%	93.5%	90.4%	59.9%	84.0%	95.0%	87.1%	59.4%	84.7%	92.1%	93.9%	60.6%
Slight problem	8.2%	3.7%	6.9%	19.4%	9.1%	3.7%	8.8%	20.8%	7.2%	3.7%	4.9%	17.7%
Moderate problem	2.6%	.8%	.9%	7.8%	2.3%	.0%	1.2%	7.6%	3.0%	1.6%	.6%	8.1%
Serious problem	1.2%	.0%	.5%	4.2%	1.2%	.0%	.7%	3.8%	1.2%	.0%	.3%	4.8%
Very serious problem	1.0%	1.0%	.7%	1.2%	.7%	.4%	1.0%	1.1%	1.3%	1.6%	.4%	1.3%
Don't know	2.6%	1.0%	.6%	7.4%	2.7%	1.0%	1.2%	7.2%	2.5%	1.1%	.0%	7.6%
Number of surveys	2598	1025	808	765	1261	506	390	365	1337	519	418	400

Based on your experience today, how much of a problem is each of the following on this lake/river?  
High wakes

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	77.2%	90.1%	87.3%	42.9%	76.4%	90.9%	84.3%	42.6%	78.1%	89.2%	90.4%	43.2%
Slight problem	10.0%	3.7%	5.9%	26.6%	11.0%	4.3%	5.8%	27.5%	9.0%	3.1%	6.0%	25.5%
Moderate problem	6.7%	3.2%	3.2%	16.4%	5.7%	1.7%	3.9%	14.8%	7.7%	4.6%	2.5%	18.4%
Serious problem	3.6%	1.8%	1.9%	8.5%	5.0%	2.5%	3.2%	10.9%	2.1%	1.1%	.6%	5.7%
Very serious problem	1.6%	.8%	1.0%	4.0%	1.4%	.4%	1.9%	3.3%	1.9%	1.2%	.0%	4.7%
Don't know	.8%	.5%	.7%	1.6%	.5%	.2%	.9%	.9%	1.2%	.8%	.6%	2.5%
Number of surveys	2602	1023	808	771	1262	503	390	369	1340	520	418	402

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Use of personal watercraft (jet skis)

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	55.8%	66.3%	67.9%	25.6%	53.9%	67.0%	60.6%	23.2%	57.9%	65.7%	75.4%	28.6%
Slight problem	12.3%	10.5%	8.8%	18.1%	13.2%	9.1%	11.1%	22.8%	11.3%	12.0%	6.4%	12.5%
Moderate problem	16.1%	14.5%	11.9%	21.9%	16.0%	14.7%	13.1%	20.0%	16.2%	14.2%	10.7%	24.2%
Serious problem	8.3%	5.5%	6.7%	15.4%	8.6%	6.2%	9.1%	13.6%	7.9%	4.8%	4.3%	17.6%
Very serious problem	7.1%	3.0%	3.7%	18.5%	7.9%	2.9%	4.8%	19.9%	6.3%	3.0%	2.5%	16.8%
Don't know	.4%	.2%	1.1%	.4%	.4%	.2%	1.3%	.5%	.4%	.3%	.9%	.4%
Number of surveys	2617	1032	811	774	1270	510	392	368	1347	522	419	406

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Overloaded boats

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	83.4%	91.1%	90.0%	62.2%	81.4%	91.1%	87.8%	57.9%	85.5%	91.1%	92.3%	67.3%
Slight problem	9.2%	6.1%	5.7%	18.2%	10.9%	6.6%	6.9%	22.0%	7.4%	5.6%	4.4%	13.6%
Moderate problem	3.3%	1.8%	2.6%	7.1%	3.2%	1.9%	2.8%	5.8%	3.5%	1.7%	2.4%	8.6%
Serious problem	.5%	.0%	.2%	1.8%	.8%	.0%	.4%	2.6%	.2%	.0%	.0%	.8%
Very serious problem	.6%	.5%	.6%	1.0%	.6%	.2%	1.1%	1.0%	.7%	.8%	.0%	1.0%
Don't know	3.0%	.5%	.9%	9.7%	3.2%	.2%	.9%	10.5%	2.7%	.8%	.9%	8.6%
Number of surveys	2610	1029	810	771	1267	509	391	367	1343	520	419	404

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Large boats (over 24 feet long)

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	90.7%	94.5%	93.4%	80.5%	89.7%	94.2%	90.9%	79.9%	91.7%	94.8%	96.0%	81.3%
Slight problem	8.4%	1.3%	2.4%	8.6%	3.8%	1.2%	3.2%	9.6%	3.0%	1.5%	1.6%	7.3%
Moderate problem	3.3%	3.0%	2.5%	4.3%	4.0%	4.3%	3.2%	3.9%	2.5%	1.8%	1.8%	4.7%
Serious problem	.9%	.6%	.9%	1.3%	.8%	.2%	1.8%	1.5%	.9%	1.1%	.0%	1.1%
Very serious problem	.2%	.0%	.0%	.6%	.2%	.0%	.0%	.7%	.1%	.0%	.0%	.5%
Don't know	1.6%	.5%	.7%	4.6%	1.4%	.2%	.9%	4.3%	1.8%	.8%	.6%	5.0%
Number of surveys	2604	1024	808	772	1264	507	390	367	1340	517	418	405

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boats operating too fast, too close to shore/docks

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	71.9%	84.1%	83.4%	38.3%	68.7%	82.8%	77.9%	34.9%	75.4%	85.5%	89.0%	42.5%
Slight problem	13.1%	8.8%	9.6%	24.6%	15.2%	10.1%	12.5%	27.1%	10.8%	7.5%	6.5%	21.6%
Moderate problem	7.0%	3.3%	2.9%	17.6%	7.3%	3.7%	4.9%	16.2%	6.7%	3.0%	.8%	19.3%
Serious problem	5.0%	3.0%	3.0%	10.5%	5.5%	3.3%	2.9%	11.3%	4.4%	2.6%	3.2%	9.5%
Very serious problem	2.2%	.1%	.1%	8.0%	2.7%	.0%	.3%	9.4%	1.7%	.3%	.0%	6.4%
Don't know	.8%	.6%	1.1%	.9%	.6%	.2%	1.5%	1.1%	.9%	1.1%	.6%	.7%
Number of surveys	2606	1026	807	773	1263	507	389	367	1343	519	418	406

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boats not yielding the right-of-way

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	78.9%	88.7%	88.2%	51.8%	77.4%	88.2%	84.4%	51.6%	80.5%	89.3%	92.0%	52.0%
Slight problem	11.2%	6.5%	7.1%	23.8%	12.0%	7.8%	8.7%	22.6%	10.2%	5.3%	5.4%	25.3%
Moderate problem	5.2%	2.7%	2.4%	12.3%	5.9%	2.9%	2.9%	13.7%	4.4%	2.5%	2.0%	10.5%
Serious problem	1.6%	.6%	.7%	4.1%	1.4%	.2%	1.4%	3.8%	1.8%	1.1%	.0%	4.5%
Very serious problem	1.0%	.2%	.3%	3.3%	1.1%	.0%	.6%	3.8%	.9%	.3%	.0%	2.8%
Don't know	2.1%	1.2%	1.2%	4.6%	2.1%	1.0%	1.9%	4.4%	2.2%	1.5%	.6%	4.9%
Number of surveys	2600	1022	807	771	1261	505	389	367	1339	517	418	404

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Excessive speed in channels and crowded areas

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	78.3%	88.2%	87.6%	50.8%	75.5%	86.4%	83.2%	48.9%	81.4%	90.0%	92.2%	53.2%
Slight problem	6.0%	5.1%	5.9%	19.3%	10.7%	7.2%	7.5%	19.7%	7.1%	3.1%	4.3%	18.8%
Moderate problem	6.2%	4.6%	3.8%	11.1%	6.8%	5.2%	5.0%	10.9%	5.6%	4.0%	2.6%	11.4%
Serious problem	1.7%	.0%	.2%	6.2%	1.8%	.0%	.4%	6.2%	1.5%	.0%	.0%	6.2%
Very serious problem	2.0%	.5%	.6%	6.4%	2.3%	.2%	1.2%	7.2%	1.8%	.8%	.0%	5.3%
Don't know	2.8%	1.5%	1.8%	6.2%	2.9%	1.0%	2.8%	7.0%	2.7%	2.1%	.9%	5.1%
Number of surveys	2603	1026	807	770	1263	507	389	367	1340	519	418	403

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Excessive speed in open water

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	78.7%	89.1%	88.5%	49.7%	77.6%	90.1%	83.8%	48.7%	79.7%	88.1%	93.4%	50.8%
Slight problem	9.9%	5.5%	6.2%	21.9%	10.5%	5.8%	8.2%	21.5%	9.3%	5.2%	4.1%	22.5%
Moderate problem	6.1%	3.6%	2.6%	13.8%	6.9%	3.3%	3.5%	16.0%	5.3%	3.8%	1.7%	11.1%
Serious problem	1.9%	.6%	1.0%	5.2%	1.5%	.4%	1.7%	3.6%	2.3%	.9%	.3%	7.1%
Very serious problem	2.3%	.5%	.4%	7.4%	2.6%	.2%	.8%	8.4%	2.0%	.8%	.0%	6.1%
Don't know	1.1%	.7%	1.3%	2.1%	.9%	.2%	2.0%	1.9%	1.4%	1.2%	.6%	2.4%
Number of surveys	2604	1027	808	769	1263	507	390	366	1341	520	418	403

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Presence of Eurasian milfoil

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	59.2%	65.5%	66.2%	41.3%	57.9%	66.1%	65.5%	36.8%	60.7%	64.8%	66.8%	46.8%
Slight problem	7.8%	6.8%	6.0%	11.0%	7.9%	6.8%	7.8%	10.4%	7.6%	6.8%	4.2%	11.7%
Moderate problem	10.6%	11.1%	8.7%	10.6%	11.0%	11.3%	9.1%	11.4%	10.2%	10.9%	8.4%	9.6%
Serious problem	7.9%	8.2%	8.7%	6.7%	7.7%	7.8%	8.9%	7.0%	8.0%	8.6%	8.5%	6.4%
Very serious problem	5.5%	4.2%	6.7%	7.8%	5.3%	4.1%	4.8%	7.9%	5.7%	4.2%	8.7%	7.7%
Don't know	9.0%	4.3%	3.6%	22.6%	10.2%	3.9%	3.9%	26.6%	7.7%	4.7%	3.4%	17.9%
Number of surveys	2609	1030	809	770	1265	508	391	366	1344	522	418	404

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Presence of zebra mussels

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Problem type												
Not a problem	75.3%	82.1%	82.0%	56.2%	70.2%	77.5%	79.8%	50.5%	80.6%	86.7%	84.4%	63.2%
Slight problem	1.8%	.5%	.6%	1.7%	1.1%	1.0%	1.0%	1.5%	.5%	.0%	.3%	1.9%
Moderate problem	2.1%	2.6%	2.2%	.8%	2.5%	3.5%	2.1%	.5%	1.6%	1.7%	2.2%	1.2%
Serious problem	1.7%	2.2%	2.1%	.5%	2.1%	2.7%	2.5%	.5%	1.4%	1.7%	1.7%	.5%
Very serious problem	1.1%	1.0%	1.1%	1.1%	1.1%	.8%	1.4%	1.5%	1.1%	1.3%	.9%	.8%
Don't know	19.0%	11.6%	11.9%	39.6%	23.0%	14.5%	13.2%	45.5%	14.7%	8.7%	10.6%	32.5%
Number of surveys	2592	1023	802	767	1256	503	388	365	1336	520	414	402

Overall, how satisfied or dissatisfied were you with your boating experience on this trip?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Rating												
Very satisfied	42.4%	40.2%	36.6%	50.0%	40.9%	38.6%	34.2%	48.8%	43.9%	41.9%	39.2%	51.5%
Satisfied	54.1%	57.0%	60.0%	44.4%	55.1%	58.8%	61.8%	44.3%	53.0%	55.2%	58.1%	44.4%
Dissatisfied	2.7%	2.2%	2.9%	3.9%	3.2%	2.0%	4.0%	5.3%	2.2%	2.4%	1.7%	2.2%
Very dissatisfied	.7%	.5%	.3%	1.2%	.7%	.6%	.0%	1.2%	.7%	.5%	.7%	1.2%
Don't know	.2%	.0%	.1%	.5%	.1%	.0%	.0%	.4%	.2%	.0%	.3%	.7%
Number of surveys	2613	1026	808	779	1269	505	392	372	1344	521	416	407

Would you come back to this lake if you knew there were going to be about the same number of boats?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Response												
Yes	95.3%	97.1%	95.9%	90.7%	95.2%	97.3%	96.1%	90.4%	95.3%	97.0%	95.7%	90.9%
No	2.7%	1.9%	2.3%	4.7%	2.3%	1.2%	1.4%	5.0%	3.1%	2.7%	3.1%	4.3%
Don't know	2.0%	.9%	1.8%	4.7%	2.5%	1.6%	2.5%	4.5%	1.5%	.3%	1.1%	4.8%
Number of surveys	2612	1026	808	778	1267	507	391	369	1345	519	417	409

While you were on the lake, did you see an enforcement officer?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Response												
Yes	15.3%	13.8%	17.4%	17.5%	16.5%	15.1%	18.4%	18.6%	13.9%	12.5%	16.3%	16.3%
No	83.2%	86.2%	82.3%	76.7%	81.3%	84.9%	80.8%	74.2%	85.1%	87.5%	83.7%	79.8%
Don't know	1.6%	.0%	.4%	5.7%	2.1%	.0%	.7%	7.2%	1.0%	.0%	.0%	3.9%
Number of surveys	2624	1031	810	783	1274	510	391	373	1350	521	419	410

Were you checked by an enforcement officer?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Response												
Yes	4.1%	5.1%	4.6%	1.7%	4.8%	6.6%	5.5%	.8%	3.4%	3.5%	3.6%	2.8%
No	95.9%	94.9%	95.4%	98.3%	95.2%	93.4%	94.5%	99.2%	96.6%	96.5%	96.4%	97.2%
Number of surveys	2613	1029	809	775	1269	508	391	370	1344	521	418	405

Should all boat operators (powered & unpowered boats) be required to complete a boating safety course?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	38.6%	37.8%	42.2%	40.3%	40.4%	39.9%	36.9%	35.2%	44.6%
No	46.4%	46.7%	44.7%	43.4%	42.6%	47.1%	49.4%	51.0%	42.2%
Don't know	15.0%	15.4%	13.1%	16.3%	17.1%	13.0%	13.7%	13.8%	13.2%
Number of surveys	1836	1028	808	900	509	391	936	519	417

Have you ever used this access before?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Response						
Yes	88.7%	88.7%	88.8%	88.8%	88.7%	88.7%
No	11.3%	11.3%	11.2%	11.2%	11.3%	11.3%
Number of surveys	1030	1030	509	509	521	521

Have you ever tried to use a free public access on this lake/river but could not find legal parking?

Figures are: Column percent Response	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Yes	46.1%	46.1%	47.5%	47.5%	44.7%	44.7%
No	53.9%	53.9%	52.5%	52.5%	55.3%	55.3%
Number of surveys	1000	1000	494	494	506	506

How many times did that happen in the past 12 months?

Figures are: Column percent Times	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Mean	2.5	2.5	2.5	2.5	2.4	2.4
Median	2.0	2.0	2.0	2.0	2.0	2.0
Minimum	1.0	1.0	1.0	1.0	1.0	1.0
Maximum	8.0	8.0	8.0	8.0	8.0	8.0
Number of surveys	429	429	231	231	198	198

How many times did that happen in the past 12 months?

Figures are: Column percent Times	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
1	31.1%	31.1%	29.6%	29.6%	32.7%	32.7%
2	31.0%	31.0%	32.1%	32.1%	29.9%	29.9%
3	17.4%	17.4%	16.8%	16.8%	18.1%	18.1%
4	10.6%	10.6%	8.6%	8.6%	12.9%	12.9%
5	3.0%	3.0%	2.9%	2.9%	3.1%	3.1%
6+	6.8%	6.8%	10.0%	10.0%	3.2%	3.2%
Number of surveys	429	429	231	231	198	198

What did you do when you couldn't find legal parking?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Action						
Park illegally	13.6%	13.6%	11.7%	11.7%	15.6%	15.6%
Used another access	14.2%	14.2%	13.0%	13.0%	15.6%	15.6%
Used another lake	35.9%	35.9%	41.9%	41.9%	29.6%	29.6%
Didn't boat	15.5%	15.5%	12.6%	12.6%	18.6%	18.6%
Other	20.7%	20.7%	20.8%	20.8%	20.7%	20.7%
Number of surveys	474	474	255	255	219	219

How would you rate this access for launching and landing a boat?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Rating						
Excellent	23.1%	23.1%	22.8%	22.8%	23.4%	23.4%
Good	66.7%	66.7%	66.6%	66.6%	66.8%	66.8%
Poor	9.2%	9.2%	9.2%	9.2%	9.1%	9.1%
Very poor	.5%	.5%	.4%	.4%	.7%	.7%
Don't know	.5%	.5%	1.0%	1.0%	.0%	.0%
Number of surveys	1030	1030	509	509	521	521

Did you have any particular problems using this access today?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Response						
Yes	30.9%	30.9%	31.3%	31.3%	30.5%	30.5%
No	69.1%	69.1%	68.7%	68.7%	69.5%	69.5%
Number of surveys	987	987	490	490	497	497

What was the problem?

Figures are: Column percent Problem	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Not enough parking	46.6%	46.6%	44.5%	44.5%	48.9%	48.9%
No room ramp: land	18.9%	18.9%	19.6%	19.6%	18.1%	18.1%
Water too shallow	10.2%	10.2%	13.3%	13.3%	6.9%	6.9%
No room ramp: water	14.9%	14.9%	17.1%	17.1%	12.6%	12.6%
No dock	29.3%	29.3%	27.7%	27.7%	31.0%	31.0%
Ramp blocked by cars	16.5%	16.5%	15.8%	15.8%	17.3%	17.3%
Inadequate signs	8.3%	8.3%	10.1%	10.1%	6.4%	6.4%
Road access safety	6.1%	6.1%	7.0%	7.0%	5.1%	5.1%
Ramp not maintained	21.8%	21.8%	17.0%	17.0%	27.0%	27.0%
Too few launch lanes	16.6%	16.6%	15.3%	15.3%	18.0%	18.0%
Other	24.2%	24.2%	26.6%	26.6%	21.6%	21.6%
Number of surveys	287	287	147	147	140	140

Which of the following improvements do you feel are needed at this launch site?

Figures are: Column percent Improvements	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Directional signs	7.5%	7.5%	7.4%	7.4%	7.7%	7.7%
Trash pickup	18.5%	18.5%	20.8%	20.8%	15.7%	15.7%
Information signs	7.8%	7.8%	9.7%	9.7%	5.6%	5.6%
Toilets	14.3%	14.3%	13.4%	13.4%	15.4%	15.4%
Dock	25.8%	25.8%	24.7%	24.7%	27.2%	27.2%
Toilet maintenance	22.9%	22.9%	23.9%	23.9%	21.7%	21.7%
Better lighting	9.6%	9.6%	8.5%	8.5%	11.0%	11.0%
More launch lanes	15.5%	15.5%	16.8%	16.8%	13.9%	13.9%
Beacon light	1.2%	1.2%	2.3%	2.3%	.0%	.0%
Better enforcement	9.2%	9.2%	7.7%	7.7%	11.0%	11.0%
Launch assistant	3.3%	3.3%	2.3%	2.3%	4.5%	4.5%
Trash containers	30.4%	30.4%	32.2%	32.2%	28.2%	28.2%
Other	36.8%	36.8%	35.1%	35.1%	38.9%	38.9%
Number of surveys	647	647	351	351	296	296

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Billboards

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/ Private	Resident	Total	Public access	Marina/ Private	Resident	Total	Public access	Marina/ Private	Resident
Action												
Very effective	16.8%	17.7%	14.2%	15.9%	17.1%	18.3%	15.0%	15.4%	16.4%	17.0%	13.4%	16.5%
Moderately effective	28.3%	28.8%	27.0%	27.7%	25.5%	23.6%	29.8%	27.6%	31.2%	34.0%	24.0%	27.9%
Slightly effective	28.2%	26.6%	30.2%	31.1%	28.4%	27.0%	29.8%	30.8%	28.0%	26.1%	30.6%	31.4%
Not effective	18.6%	19.7%	20.9%	14.5%	19.7%	22.6%	18.4%	14.2%	17.3%	16.9%	23.5%	14.8%
Don't know	8.2%	7.3%	7.7%	10.8%	9.2%	8.5%	7.0%	11.9%	7.1%	6.0%	8.4%	9.4%
Number of surveys	2566	1025	810	731	1246	505	391	350	1320	520	419	381

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Radio coverage/messages

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/ Private	Resident	Total	Public access	Marina/ Private	Resident	Total	Public access	Marina/ Private	Resident
Action												
Very effective	15.2%	14.9%	13.2%	16.8%	15.8%	16.4%	12.7%	16.0%	14.5%	13.5%	13.7%	17.7%
Moderately effective	32.6%	33.9%	33.1%	29.4%	30.2%	29.9%	32.2%	29.8%	35.3%	37.9%	34.0%	29.0%
Slightly effective	29.3%	28.1%	28.3%	32.6%	30.7%	30.3%	30.3%	31.7%	27.8%	25.8%	26.3%	33.7%
Not effective	15.6%	16.7%	18.3%	11.3%	15.7%	17.2%	18.6%	11.1%	15.4%	16.3%	18.0%	11.6%
Don't know	7.3%	6.4%	7.0%	9.9%	7.6%	6.2%	6.1%	11.4%	7.1%	6.6%	8.0%	8.0%
Number of surveys	2556	1017	806	733	1238	502	387	349	1318	515	419	384

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
TV coverage/messages

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/ Private	Resident	Total	Public access	Marina/ Private	Resident	Total	Public access	Marina/ Private	Resident
Action												
Very effective	20.4%	19.2%	18.0%	24.4%	21.6%	22.3%	16.6%	22.6%	19.0%	16.2%	19.4%	26.5%
Moderately effective	35.4%	37.0%	35.6%	31.5%	33.9%	34.4%	35.9%	31.8%	37.0%	39.6%	35.3%	31.2%
Slightly effective	21.0%	18.9%	20.2%	26.7%	21.0%	18.6%	20.4%	26.7%	21.1%	19.2%	20.0%	26.6%
Not effective	14.9%	16.7%	19.1%	8.2%	14.8%	16.9%	18.5%	8.4%	15.0%	16.6%	19.7%	8.0%
Don't know	8.2%	8.1%	7.1%	9.2%	8.6%	7.8%	8.6%	10.4%	7.8%	8.4%	5.6%	7.7%
Number of surveys	2551	1015	804	732	1234	499	388	347	1317	516	416	385

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Brochures and fact sheets handed out to boaters and anglers

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Very effective	26.9%	26.4%	21.8%	30.7%	28.6%	28.9%	22.2%	31.2%	25.0%	23.8%	21.5%	30.1%
Moderately effective	33.2%	32.9%	32.7%	34.4%	31.5%	29.9%	34.5%	33.7%	35.0%	35.9%	30.8%	35.3%
Slightly effective	20.5%	19.5%	23.1%	21.7%	19.5%	18.0%	23.2%	21.2%	21.6%	21.0%	23.0%	22.3%
Not effective	14.0%	16.1%	15.9%	8.2%	14.7%	17.4%	15.4%	8.5%	13.3%	14.7%	16.3%	7.8%
Don't know	5.3%	5.2%	6.5%	5.0%	5.5%	5.8%	4.6%	5.5%	5.1%	4.6%	8.4%	4.5%
Number of surveys	2566	1020	807	739	1245	504	388	353	1321	516	419	386

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Laws that make it illegal to transport exotic species

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Very effective	43.0%	41.6%	38.6%	48.5%	41.8%	40.1%	38.4%	47.1%	44.3%	43.2%	38.8%	50.3%
Moderately effective	26.1%	26.7%	25.2%	25.2%	24.8%	24.3%	25.4%	25.5%	27.5%	29.2%	25.0%	24.9%
Slightly effective	13.3%	12.9%	16.5%	12.7%	15.5%	15.8%	17.9%	13.8%	11.0%	9.9%	15.0%	11.5%
Not effective	9.0%	9.8%	11.1%	6.2%	9.2%	10.4%	13.6%	4.3%	8.9%	9.1%	8.5%	8.5%
Don't know	8.5%	9.0%	8.6%	7.3%	8.7%	9.3%	4.7%	9.4%	8.3%	8.6%	12.7%	4.9%
Number of surveys	2564	1013	804	747	1238	498	387	353	1326	515	417	394

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Road checks to enforce the laws

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Very effective	44.6%	44.9%	38.7%	47.4%	45.0%	45.3%	36.3%	48.5%	44.3%	44.3%	41.1%	46.0%
Moderately effective	26.4%	27.7%	27.5%	22.7%	24.3%	24.2%	29.8%	21.9%	28.6%	31.2%	25.2%	23.6%
Slightly effective	9.1%	7.1%	10.9%	12.9%	9.2%	7.2%	12.1%	12.0%	9.1%	7.1%	9.7%	14.1%
Not effective	11.8%	12.6%	14.3%	8.5%	13.2%	15.4%	14.8%	7.7%	10.3%	9.8%	13.9%	9.6%
Don't know	8.0%	7.7%	8.6%	8.5%	8.3%	7.8%	7.1%	10.0%	7.8%	7.6%	10.1%	6.7%
Number of surveys	2549	1014	804	731	1236	500	386	350	1313	514	418	381

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Signs at boat landings

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Very effective	38.0%	34.4%	34.7%	47.7%	38.8%	35.7%	34.3%	47.5%	37.1%	33.2%	35.1%	48.1%
Moderately effective	40.7%	43.6%	40.1%	34.4%	39.3%	41.3%	42.1%	33.9%	42.3%	46.0%	38.1%	35.0%
Slightly effective	9.3%	8.2%	11.1%	11.0%	9.1%	7.3%	11.9%	11.2%	9.6%	9.1%	10.3%	10.6%
Not effective	6.9%	8.2%	9.0%	3.1%	8.0%	10.3%	7.4%	3.4%	5.8%	6.0%	10.7%	2.6%
Don't know	5.0%	5.6%	5.1%	3.8%	4.8%	5.4%	4.4%	3.9%	5.3%	5.8%	5.8%	3.7%
Number of surveys	2558	1008	797	753	1240	494	385	361	1318	514	412	392

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Inspection-education programs at boat launches

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Very effective	31.8%	25.2%	22.8%	51.7%	32.6%	25.6%	20.8%	53.1%	30.8%	24.8%	24.8%	49.9%
Moderately effective	29.6%	30.1%	31.3%	27.4%	27.6%	26.8%	34.2%	26.1%	31.8%	33.6%	28.4%	29.1%
Slightly effective	14.6%	15.7%	17.3%	10.6%	15.0%	17.0%	17.1%	9.7%	14.2%	14.4%	17.5%	11.7%
Not effective	11.9%	14.5%	15.4%	3.9%	12.7%	16.1%	15.6%	4.1%	11.1%	13.0%	15.3%	3.7%
Don't know	12.1%	14.4%	13.1%	6.4%	12.1%	14.5%	12.3%	7.0%	12.1%	14.2%	14.0%	5.6%
Number of surveys	2574	1017	804	753	1251	502	387	362	1323	515	417	391

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Articles in newsletters and magazines

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Very effective	11.6%	9.8%	9.1%	17.1%	11.0%	10.3%	6.5%	14.8%	12.2%	9.3%	11.7%	19.9%
Moderately effective	27.5%	24.8%	25.8%	34.7%	25.0%	19.4%	27.8%	35.7%	30.2%	30.4%	23.7%	33.5%
Slightly effective	26.4%	23.8%	24.2%	33.7%	27.2%	24.1%	24.7%	35.1%	25.5%	23.5%	23.7%	31.9%
Not effective	22.9%	28.2%	28.1%	7.6%	23.7%	31.0%	27.0%	6.2%	22.1%	25.4%	29.3%	9.3%
Don't know	11.7%	13.4%	12.8%	6.9%	13.2%	15.3%	14.0%	8.2%	10.1%	11.5%	11.6%	5.4%
Number of surveys	2557	1013	803	741	1238	499	386	353	1319	514	417	388

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Information included in fishing and boating regulations and pamphlets

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Very effective	24.6%	23.9%	22.5%	27.4%	25.5%	26.9%	19.8%	25.3%	23.7%	20.9%	25.3%	29.9%
Moderately effective	37.0%	38.7%	37.1%	32.9%	34.5%	34.5%	38.0%	32.9%	39.6%	43.0%	36.0%	33.0%
Slightly effective	18.7%	15.0%	17.9%	27.5%	18.7%	13.9%	19.5%	28.8%	18.6%	16.2%	16.1%	26.0%
Not effective	14.4%	16.9%	15.8%	7.8%	15.3%	18.6%	15.8%	8.1%	13.4%	15.3%	15.9%	7.3%
Don't know	5.4%	5.5%	6.8%	4.4%	5.9%	6.2%	6.9%	4.9%	4.7%	4.7%	6.7%	3.8%
Number of surveys	2570	1016	803	751	1247	502	386	359	1323	514	417	392

After removing boats from a lake or stream, how often do you do any of the following?  
Conduct visual inspection of boats and equipment

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Almost always	83.1%	92.2%	84.2%	61.3%	82.0%	90.8%	85.8%	61.2%	84.3%	93.6%	82.6%	61.3%
Sometimes	6.2%	6.2%	5.4%	6.8%	6.4%	7.2%	4.9%	5.5%	6.0%	5.1%	6.0%	8.4%
Never	.7%	.2%	.4%	1.9%	.8%	.4%	.0%	2.0%	.5%	.0%	.9%	1.6%
Doesn't apply	9.1%	1.0%	9.4%	27.7%	9.5%	.8%	8.7%	28.4%	8.7%	1.3%	10.2%	26.9%
Don't know	.9%	.4%	.5%	2.4%	1.3%	.8%	.6%	2.8%	.5%	.0%	.3%	1.9%
Number of surveys	2601	1032	811	758	1264	510	392	362	1337	522	419	396

After removing boats from a lake or stream, how often do you do any of the following?  
Clean vegetation or mussels from boat and equipment

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Almost always	78.6%	87.7%	80.9%	56.6%	77.5%	86.2%	84.3%	55.8%	79.9%	89.1%	77.2%	57.5%
Sometimes	7.5%	8.1%	6.5%	6.7%	7.6%	8.6%	4.0%	7.3%	7.3%	7.5%	9.2%	5.9%
Never	1.1%	.3%	.6%	3.3%	1.2%	.6%	.0%	3.1%	1.0%	.0%	1.1%	3.5%
Doesn't apply	10.1%	1.0%	9.7%	31.3%	10.4%	.8%	8.7%	31.5%	9.8%	1.3%	10.9%	31.0%
Don't know	2.7%	2.9%	2.3%	2.2%	3.3%	3.7%	3.0%	2.4%	2.0%	2.1%	1.5%	2.0%
Number of surveys	2596	1027	809	760	1261	505	392	364	1335	522	417	396

After removing boats from a lake or stream, how often do you do any of the following?  
 Drain water from boats, including live wells, bilge, and bait containers before going to another lake or river

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Almost always	56.0%	60.5%	55.8%	45.6%	55.9%	61.9%	57.2%	42.2%	56.2%	59.1%	54.3%	49.6%
Sometimes	20.0%	25.4%	23.3%	5.4%	19.0%	24.2%	23.9%	5.7%	20.9%	26.7%	22.7%	5.0%
Never	5.5%	6.0%	5.3%	4.4%	6.2%	7.0%	5.7%	4.9%	4.7%	5.0%	4.9%	3.8%
Doesn't apply	16.2%	5.8%	12.9%	42.3%	16.2%	4.3%	10.9%	44.4%	16.2%	7.4%	14.9%	39.8%
Don't know	2.3%	2.2%	2.8%	2.3%	2.7%	2.7%	2.4%	2.8%	1.9%	1.8%	3.2%	1.7%
Number of surveys	2595	1031	810	754	1262	510	391	361	1333	521	419	393

After removing boats from a lake or stream, how often do you do any of the following?  
 Dispose of leftover bait minnows on shore

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Almost always	25.3%	25.7%	25.0%	24.6%	27.5%	29.3%	25.8%	24.5%	23.0%	22.1%	24.2%	24.7%
Sometimes	16.5%	18.4%	16.8%	12.1%	15.7%	17.8%	16.2%	11.1%	17.4%	18.9%	17.4%	13.4%
Never	30.9%	37.7%	28.9%	16.1%	30.9%	37.3%	32.9%	16.3%	31.0%	38.2%	24.8%	15.7%
Doesn't apply	23.6%	14.0%	25.6%	45.0%	22.4%	11.2%	23.0%	45.7%	25.0%	16.9%	28.3%	44.0%
Don't know	3.6%	4.1%	3.7%	2.2%	3.5%	4.4%	2.1%	2.4%	3.6%	3.8%	5.3%	2.1%
Number of surveys	2590	1029	809	752	1262	509	390	363	1328	520	419	389

After removing boats from a lake or stream, how often do you do any of the following?  
 Flush motor's cooling system with clean water

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Almost always	8.0%	8.6%	7.4%	6.9%	8.4%	9.5%	6.3%	6.9%	7.6%	7.7%	8.4%	6.9%
Sometimes	10.9%	12.5%	8.3%	8.7%	10.0%	11.5%	7.3%	7.9%	12.0%	13.5%	9.3%	9.6%
Never	40.9%	43.8%	36.2%	36.4%	41.6%	44.5%	39.6%	36.3%	40.1%	43.1%	32.7%	36.5%
Doesn't apply	32.9%	27.0%	39.5%	43.4%	32.7%	25.9%	38.8%	44.5%	33.2%	28.2%	40.2%	42.0%
Don't know	7.3%	8.1%	8.7%	4.7%	7.3%	8.6%	7.9%	4.4%	7.2%	7.5%	9.4%	5.0%
Number of surveys	2558	1015	804	739	1247	503	386	358	1311	512	418	381

After removing boats from a lake or stream, how often do you do any of the following?  
 Before launching in a different waterbody, do you allow boats to dry for 5 days?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Almost always	11.9%	11.3%	11.2%	13.6%	12.0%	11.6%	11.1%	13.4%	11.7%	11.0%	11.3%	13.8%
Sometimes	46.2%	59.1%	50.6%	13.3%	42.3%	54.0%	52.3%	12.3%	50.4%	64.4%	48.8%	14.6%
Never	20.9%	23.7%	23.1%	13.0%	22.3%	27.3%	22.1%	11.6%	19.4%	20.2%	24.2%	14.8%
Doesn't apply	18.5%	3.8%	12.6%	56.3%	20.2%	4.3%	11.6%	58.5%	16.7%	3.3%	13.6%	53.5%
Don't know	2.5%	2.0%	2.5%	3.8%	3.3%	2.9%	2.9%	4.2%	1.8%	1.1%	2.1%	3.3%
Number of surveys	2590	1030	810	750	1260	509	391	360	1330	521	419	390

After removing boats from a lake or stream, how often do you do any of the following?  
 Before launching in a different waterbody, do you rinse boats with hot or high pressure water?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Action												
Almost always	16.4%	21.2%	19.7%	3.4%	16.6%	22.0%	18.8%	3.8%	16.3%	20.4%	20.7%	3.0%
Sometimes	28.3%	37.1%	30.4%	6.3%	25.6%	32.4%	34.3%	6.6%	31.1%	41.8%	26.2%	6.0%
Never	37.5%	38.4%	36.2%	36.1%	38.5%	42.0%	34.1%	33.0%	36.5%	34.8%	38.3%	40.0%
Doesn't apply	16.1%	1.9%	11.5%	52.0%	17.6%	2.0%	10.3%	54.5%	14.5%	1.8%	12.8%	48.8%
Don't know	1.7%	1.4%	2.2%	2.1%	1.8%	1.5%	2.5%	2.1%	1.6%	1.2%	2.0%	2.2%
Number of surveys	2588	1029	810	749	1259	507	392	360	1329	522	418	389

What type of radio station do you primarily listen to?

Figures are: Column percent	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Station type												
Classical	7.8%	5.9%	6.6%	12.7%	8.9%	7.7%	4.9%	13.5%	6.5%	4.1%	8.4%	11.8%
Country	26.5%	32.3%	26.5%	13.3%	25.6%	31.0%	28.1%	13.3%	27.5%	33.6%	24.8%	13.2%
Easy listening	12.5%	10.0%	10.0%	19.4%	12.0%	8.7%	12.2%	18.6%	13.0%	11.3%	7.8%	20.4%
Jazz	7.2%	7.3%	7.3%	6.9%	7.1%	7.5%	6.8%	6.3%	7.3%	7.0%	7.8%	7.7%
Rock	24.5%	26.7%	29.2%	17.3%	24.5%	27.5%	27.6%	17.0%	24.6%	25.9%	31.0%	17.6%
Talk	13.3%	11.0%	11.3%	19.5%	14.2%	11.6%	12.2%	20.5%	12.3%	10.4%	10.3%	18.3%
Sports	5.4%	5.1%	7.4%	5.0%	5.0%	4.7%	6.8%	4.6%	5.8%	5.5%	8.0%	5.4%
Other	2.9%	1.8%	1.6%	6.0%	2.8%	1.4%	1.4%	6.3%	3.0%	2.2%	1.9%	5.6%
Number of surveys	2597	1024	806	767	1265	505	390	370	1332	519	416	397

Do you have a home computer connected to an on-line service or the internet?

Response	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Yes	38.6%	41.4%	45.3%	29.2%	38.9%	43.7%	47.0%	25.9%	38.2%	39.1%	43.4%	33.2%
No	59.2%	55.6%	51.8%	70.8%	59.8%	54.6%	50.3%	74.1%	58.7%	56.5%	53.4%	66.8%
Don't know	2.2%	3.0%	2.9%	.0%	1.3%	1.7%	2.7%	.0%	3.1%	4.4%	3.1%	.0%
Number of surveys	2562	994	796	772	1245	486	388	371	1317	508	408	401

Do you have a home computer with a CD-ROM drive?

Response	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Yes	41.8%	41.6%	43.5%	41.5%	42.0%	42.6%	43.4%	40.3%	41.6%	40.6%	43.7%	43.1%
No	55.5%	55.3%	52.6%	57.3%	56.1%	55.5%	53.6%	58.3%	54.9%	55.1%	51.7%	56.1%
Don't know	2.7%	3.1%	3.8%	1.2%	1.9%	1.9%	3.1%	1.4%	3.5%	4.4%	4.6%	.8%
Number of surveys	2562	994	796	772	1245	486	388	371	1317	508	408	401

Which of the beverages on the white card did you have with you on the boat today?

Drink	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
Soft drinks	61.0%	64.8%	61.8%	52.4%	61.7%	64.3%	69.0%	53.1%	60.3%	65.2%	54.2%	51.6%
Coffee/tea/water	23.3%	26.9%	30.8%	11.4%	24.4%	28.8%	31.5%	12.3%	22.1%	25.1%	30.0%	10.1%
Other nonalcoholic	8.4%	9.4%	11.7%	4.7%	9.1%	9.5%	15.6%	5.2%	7.8%	9.3%	7.6%	4.0%
Beer	21.5%	21.1%	23.9%	21.2%	22.1%	21.6%	26.1%	21.2%	20.9%	20.6%	21.7%	21.3%
Wine	5.6%	5.9%	8.1%	3.7%	4.7%	4.6%	10.6%	2.3%	6.5%	7.2%	5.5%	5.5%
Other alcoholic	2.2%	1.7%	2.4%	3.3%	2.4%	1.6%	4.1%	3.2%	2.0%	1.8%	.7%	3.4%
None	22.8%	16.9%	17.9%	38.4%	21.6%	14.8%	13.4%	39.3%	24.0%	18.9%	22.6%	37.3%
Refused to answer	.0%	.0%	.3%	.0%	.1%	.0%	.5%	.0%	.0%	.0%	.0%	.0%
Don't know	.1%	.0%	.0%	.4%	.0%	.0%	.0%	.0%	.2%	.0%	.0%	.8%
Number of surveys	2595	1013	804	778	1264	503	389	372	1331	510	415	406

Which category on the blue card best describes your total household income before taxes last year?

Figures are: Column percent Action	All days				Weekends				Weekdays			
	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident	Total	Public access	Marina/Private	Resident
< \$20,000	1.9%	1.0%	.0%	5.1%	2.0%	.8%	.0%	5.5%	1.9%	1.2%	.0%	4.6%
\$20,000 - \$29,999	1.6%	.1%	.0%	5.7%	2.1%	.0%	.0%	7.3%	1.0%	.2%	.0%	3.8%
\$30,000 - \$39,999	15.3%	5.2%	4.5%	6.1%	5.0%	4.4%	4.8%	6.4%	5.7%	5.9%	4.2%	5.9%
\$40,000 - \$49,999	12.3%	14.5%	10.0%	8.6%	11.9%	14.5%	8.6%	8.2%	12.8%	14.5%	11.5%	9.1%
\$50,000 - \$74,999	17.2%	16.8%	19.6%	16.9%	18.9%	18.0%	22.8%	18.9%	15.5%	15.7%	16.3%	14.4%
\$75,000 - \$99,999	14.5%	13.2%	16.1%	16.4%	15.5%	14.3%	16.7%	17.3%	13.4%	12.2%	15.3%	15.2%
\$100,000 +	9.9%	5.2%	8.8%	21.2%	9.3%	4.8%	9.5%	18.6%	10.5%	5.5%	8.1%	24.5%
Refused	35.4%	41.8%	40.3%	18.3%	34.0%	41.5%	37.7%	16.8%	36.9%	42.1%	43.0%	20.1%
Don't know	1.8%	2.2%	.7%	1.6%	1.3%	1.7%	.0%	1.0%	2.4%	2.7%	1.4%	2.3%
Number of surveys	2619	1032	811	776	1274	510	392	372	1345	522	419	404

Which of these statements best describes you?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Resident	Total	Resident	Total	Resident
Own residence	98.8%	98.8%	98.4%	98.4%	99.3%	99.3%
Relative owns	1.2%	1.2%	1.6%	1.6%	.6%	.6%
Rent	.1%	.1%	.0%	.0%	.1%	.1%
Number of surveys	812	812	400	400	412	412

Did you yourself operate the boat for any of the time on that day?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Resident	Total	Resident	Total	Resident
Yes	85.0%	85.0%	83.2%	83.2%	87.2%	87.2%
No	15.0%	15.0%	16.8%	16.8%	12.8%	12.8%
Number of surveys	781	781	372	372	409	409

In the past 12 months, how many times did you use a free public access on the lake that fronts your property?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Resident	Total	Resident	Total	Resident
0	39.4%	39.4%	43.6%	43.6%	33.8%	33.8%
1	9.7%	9.7%	9.0%	9.0%	10.7%	10.7%
2	27.2%	27.2%	25.7%	25.7%	29.1%	29.1%
3	4.1%	4.1%	3.9%	3.9%	4.5%	4.5%
4	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%
5	2.5%	2.5%	3.2%	3.2%	1.6%	1.6%
6	3.1%	3.1%	2.1%	2.1%	4.5%	4.5%
8	1.3%	1.3%	.4%	.4%	2.4%	2.4%
10	2.4%	2.4%	2.3%	2.3%	2.5%	2.5%
12	.8%	.8%	.8%	.8%	.8%	.8%
14	.2%	.2%	.0%	.0%	.4%	.4%
15	.2%	.2%	.2%	.2%	.2%	.2%
20	.7%	.7%	.6%	.6%	.8%	.8%
30	.4%	.4%	.0%	.0%	.9%	.9%
40	.1%	.1%	.2%	.2%	.0%	.0%
50	.2%	.2%	.4%	.4%	.0%	.0%
Number of surveys	812	812	400	400	412	412

## APPENDIX 2

### SURVEY RESULTS: FISH AND LONG LAKES

Survey results in this appendix were compiled by the Minnesota Department of Natural Resources, Office of Planning, from data supplied as a part of this study. Survey results in this appendix do not include the other metro lakes which are presented in Appendix 1 or the rivers (Mississippi and St Croix) which are presented in Appendix 3.

Survey results for Fish and Long Lakes were not differentially weighted prior to analysis. The sample by day of week, however, appears to be representative of boating use by day of week since about half of the surveys are from weekends/holidays and half from weekdays.

Tables of survey results are broken down by day of week (all days, weekends/holidays, weekdays). Within each day of week breakdown, the results are reported by source of use (total, public access, marina/private access, residents). The column labeled 'Total' refers to all sources of use. The row labeled 'Number of surveys' shows the unweighted number of completed surveys in each of the column categories.

Type of boat

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Boat type									
Cruiser	3.3%	2.9%	5.7%	4.4%	5.1%	.0%	2.4%	.9%	10.0%
Runabout	22.1%	20.5%	31.4%	25.7%	23.5%	40.0%	18.9%	17.8%	25.0%
Fishing	50.4%	55.6%	20.0%	41.6%	45.9%	13.3%	58.3%	64.5%	25.0%
Sailboat	1.7%	1.5%	2.9%	3.5%	3.1%	6.7%	.0%	.0%	.0%
Pontoon	3.3%	2.0%	11.4%	4.4%	3.1%	13.3%	2.4%	.9%	10.0%
Canoe/Kayak	3.8%	1.0%	20.0%	5.3%	2.0%	26.7%	2.4%	.0%	15.0%
Jetski	13.3%	15.6%	.0%	15.0%	17.3%	.0%	11.8%	14.0%	.0%
Other	2.1%	1.0%	8.6%	.0%	.0%	.0%	3.9%	1.9%	15.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Number of adults

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Adults						
0	3.9%	3.9%	5.1%	5.1%	2.8%	2.8%
1	22.4%	22.4%	22.4%	22.4%	22.4%	22.4%
2	58.5%	58.5%	59.2%	59.2%	57.9%	57.9%
3	12.7%	12.7%	11.2%	11.2%	14.0%	14.0%
4	2.4%	2.4%	2.0%	2.0%	2.8%	2.8%
Number of surveys	205	205	98	98	107	107

Number of teens

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Teens						
0	84.9%	84.9%	83.7%	83.7%	86.0%	86.0%
1	8.3%	8.3%	7.1%	7.1%	9.3%	9.3%
2	3.9%	3.9%	5.1%	5.1%	2.8%	2.8%
3	1.0%	1.0%	.0%	.0%	1.9%	1.9%
4	2.0%	2.0%	4.1%	4.1%	.0%	.0%
Number of surveys	205	205	98	98	107	107

Number of children

Figures are: Column percent Children	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
0	71.2%	71.2%	66.3%	66.3%	75.7%	75.7%
1	10.7%	10.7%	12.2%	12.2%	9.3%	9.3%
2	14.6%	14.6%	17.3%	17.3%	12.1%	12.1%
3	3.4%	3.4%	4.1%	4.1%	2.8%	2.8%
Number of surveys	205	205	98	98	107	107

Number of occupants

Figures are: Column percent Occupants	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
1	16.3%	15.6%	20.0%	17.7%	17.3%	20.0%	15.0%	14.0%	20.0%
2	34.6%	35.1%	31.4%	28.3%	30.6%	13.3%	40.2%	39.3%	45.0%
3	26.7%	27.8%	20.0%	26.5%	24.5%	40.0%	26.8%	30.8%	5.0%
4	17.1%	16.1%	22.9%	21.2%	21.4%	20.0%	13.4%	11.2%	25.0%
5	2.9%	3.4%	.0%	2.7%	3.1%	.0%	3.1%	3.7%	.0%
6	1.7%	1.0%	5.7%	1.8%	1.0%	6.7%	1.6%	.9%	5.0%
8	.8%	1.0%	.0%	1.8%	2.0%	.0%	.0%	.0%	.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Percent of adults wearing life jackets

Figures are: Column percent Percent adults	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
0	40.1%	40.1%	33.3%	33.3%	46.2%	46.2%
33	2.0%	2.0%	2.2%	2.2%	1.9%	1.9%
50	5.1%	5.1%	6.5%	6.5%	3.8%	3.8%
67	1.0%	1.0%	1.1%	1.1%	1.0%	1.0%
75	.5%	.5%	.0%	.0%	1.0%	1.0%
100	51.3%	51.3%	57.0%	57.0%	46.2%	46.2%
Number of surveys	197	197	93	93	104	104

Percent of teens wearing life jackets

Figures are: Column percent Percent teens	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
0	29.0%	29.0%	31.3%	31.3%	26.7%	26.7%
25	6.5%	6.5%	12.5%	12.5%	.0%	.0%
100	64.5%	64.5%	56.3%	56.3%	73.3%	73.3%
Number of surveys	31	31	16	16	15	15

Percent of children wearing life jackets

Figures are: Column percent Percent children	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
0	13.6%	13.6%	12.1%	12.1%	15.4%	15.4%
100	86.4%	86.4%	87.9%	87.9%	84.6%	84.6%
Number of surveys	59	59	33	33	26	26

Percent of occupants wearing life jackets

Figures are: Column percent Percent occupants	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
0	33.2%	33.2%	25.5%	25.5%	40.2%	40.2%
33	4.9%	4.9%	6.1%	6.1%	3.7%	3.7%
50	3.9%	3.9%	5.1%	5.1%	2.8%	2.8%
60	2.0%	2.0%	1.0%	1.0%	2.8%	2.8%
67	5.4%	5.4%	6.1%	6.1%	4.7%	4.7%
75	2.0%	2.0%	2.0%	2.0%	1.9%	1.9%
100	48.8%	48.8%	54.1%	54.1%	43.9%	43.9%
Number of surveys	205	205	98	98	107	107

Where did you launch your boat?

Figures are: Column percent Launch site	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
This access/marina	99.0%	99.0%	99.0%	99.0%	99.1%	99.1%
Other	1.0%	1.0%	1.0%	1.0%	.9%	.9%
Number of surveys	205	205	98	98	107	107

Where did you park?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Parking site						
This lot	95.1%	95.1%	92.8%	92.8%	97.2%	97.2%
Street	1.0%	1.0%	2.1%	2.1%	.0%	.0%
Another lot	2.0%	2.0%	3.1%	3.1%	.9%	.9%
At home	1.0%	1.0%	1.0%	1.0%	.9%	.9%
Other	1.0%	1.0%	1.0%	1.0%	.9%	.9%
Number of surveys	204	204	97	97	107	107

How far away is that?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Miles						
.00	80.0%	80.0%	85.7%	85.7%	66.7%	66.7%
.25	20.0%	20.0%	14.3%	14.3%	33.3%	33.3%
Number of surveys	10	10	7	7	3	3

What time did you launch?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Time									
Midnight - 6am	.4%	.5%	.0%	.9%	1.0%	.0%	.0%	.0%	.0%
6am - noon	46.0%	49.0%	28.6%	53.6%	56.7%	33.3%	39.4%	42.1%	25.0%
Noon - 6pm	48.1%	47.1%	54.3%	43.8%	41.2%	60.0%	52.0%	52.3%	50.0%
6pm - midnight	5.4%	3.4%	17.1%	1.8%	1.0%	6.7%	8.7%	5.6%	25.0%
Number of surveys	239	204	35	112	97	15	127	107	20

That means you were on the lake/river about \_\_\_\_ hours. Is that correct?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Hours									
Mean	2.9	2.9	2.2	2.8	2.8	3.0	3.0	3.1	1.7
Median	3.0	3.0	2.5	2.5	2.5	3.0	3.0	3.0	1.5
Minimum	.5	.5	1.0	.5	.5	3.0	1.0	1.0	1.0
Maximum	12.0	12.0	3.0	6.5	6.5	3.0	12.0	12.0	3.0
Number of surveys	214	204	10	101	97	4	113	107	6

That means you were on the lake/river about \_\_\_\_ hours. Is that correct?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Hours									
0.1 - 1.9	18.2%	17.6%	30.0%	9.9%	10.3%	.0%	25.7%	24.3%	50.0%
2.0 - 2.9	29.9%	30.4%	20.0%	42.6%	44.3%	.0%	18.6%	17.8%	33.3%
3.0 - 3.9	27.1%	26.0%	50.0%	19.8%	16.5%	100.0%	33.6%	34.6%	16.7%
4.0 - 4.9	15.0%	15.7%	.0%	26.7%	27.8%	.0%	4.4%	4.7%	.0%
5+	9.8%	10.3%	.0%	1.0%	1.0%	.0%	17.7%	18.7%	.0%
Number of surveys	214	204	10	101	97	4	113	107	6

How many of those hours were spent on shore or tied up at a dock?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Hours						
Mean	.2	.2	.3	.3	.2	.2
Median	.0	.0	.0	.0	.0	.0
Minimum	.0	.0	.0	.0	.0	.0
Maximum	3.0	3.0	3.0	3.0	2.5	2.5
Number of surveys	205	205	98	98	107	107

How many of those hours were spent on shore or tied up at a dock?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Hours						
.0	83.4%	83.4%	80.6%	80.6%	86.0%	86.0%
0.1 - 1.9	11.2%	11.2%	13.3%	13.3%	9.3%	9.3%
2.0 - 2.9	3.4%	3.4%	2.0%	2.0%	4.7%	4.7%
3.0 - 3.9	2.0%	2.0%	4.1%	4.1%	.0%	.0%
Number of surveys	205	205	98	98	107	107

What was your group's primary activity on the lake/river today?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Activity									
Fishing	51.7%	56.1%	25.7%	48.7%	52.0%	26.7%	54.3%	59.8%	25.0%
Water skiing	10.8%	10.2%	14.3%	8.8%	8.2%	13.3%	12.6%	12.1%	15.0%
Sailing	2.1%	1.5%	5.7%	4.4%	3.1%	13.3%	.0%	.0%	.0%
Canoeing	3.8%	2.4%	11.4%	4.4%	3.1%	13.3%	3.1%	1.9%	10.0%
Boat ride	28.3%	26.8%	37.1%	30.1%	29.6%	33.3%	26.8%	24.3%	40.0%
Transport	3.3%	2.9%	5.7%	3.5%	4.1%	.0%	3.1%	1.9%	10.0%
Number of surveys	240	205	35	113	98	15	127	107	20

While you were boating today, did you pull your boat up on the beach?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	18.8%	20.1%	11.4%	25.9%	28.9%	6.7%	12.6%	12.1%	15.0%
No	81.2%	79.9%	88.6%	74.1%	71.1%	93.3%	87.4%	87.9%	85.0%
Number of surveys	239	204	35	112	97	15	127	107	20

While you were boating today, did you anchor or tie up with other boats into a raft?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	3.8%	4.0%	2.9%	5.5%	6.3%	.0%	2.4%	1.9%	5.0%
No	96.2%	96.0%	97.1%	94.5%	93.7%	100.0%	97.6%	98.1%	95.0%
Number of surveys	234	199	35	110	95	15	124	104	20

Are there sufficient opportunities on the lake/river to:  
Beach your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	60.3%	58.8%	68.6%	67.3%	65.3%	80.0%	54.0%	52.9%	60.0%
No	20.9%	21.1%	20.0%	17.3%	16.8%	20.0%	24.2%	25.0%	20.0%
Don't know	18.8%	20.1%	11.4%	15.5%	17.9%	.0%	21.8%	22.1%	20.0%
Number of surveys	234	199	35	110	95	15	124	104	20

Are there sufficient opportunities on the lake/river to:  
Anchor or tie up with other boats into rafts?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	58.4%	58.6%	57.1%	58.9%	59.8%	53.3%	57.9%	57.5%	60.0%
No	19.7%	21.7%	8.6%	20.5%	20.6%	20.0%	19.0%	22.6%	0%
Don't know	21.8%	19.7%	34.3%	20.5%	19.6%	26.7%	23.0%	19.8%	40.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Are there sufficient opportunities on the lake/river to:  
Use picnic areas or toilets at a public lakeshore wayside?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	72.9%	73.2%	71.4%	73.5%	73.5%	73.3%	72.4%	72.9%	70.0%
No	14.2%	14.6%	11.4%	13.3%	13.3%	13.3%	15.0%	15.9%	10.0%
Don't know	12.9%	12.2%	17.1%	13.3%	13.3%	13.3%	12.6%	11.2%	20.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Are there sufficient opportunities on the lake/river to:  
Use restaurants?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	19.0%	14.4%	45.7%	26.1%	20.8%	60.0%	12.7%	8.5%	35.0%
No	64.6%	66.8%	51.4%	54.1%	56.3%	40.0%	73.8%	76.4%	60.0%
Don't know	16.5%	18.8%	2.9%	19.8%	22.9%	0%	13.5%	15.1%	5.0%
Number of surveys	237	202	35	111	96	15	126	106	20

Are there sufficient opportunities on the lake/river to:  
Purchase gasoline?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	16.9%	16.9%	17.1%	21.6%	21.9%	20.0%	12.8%	12.4%	15.0%
No	67.4%	65.7%	77.1%	61.3%	59.4%	73.3%	72.8%	71.4%	80.0%
Don't know	15.7%	17.4%	5.7%	17.1%	18.8%	6.7%	14.4%	16.2%	5.0%
Number of surveys	236	201	35	111	96	15	125	105	20

What is the length of your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Feet									
Mean	15.1	15.0	16.3	15.4	15.1	17.6	14.9	14.8	15.3
Median	16.0	16.0	16.0	16.0	16.0	17.0	16.0	16.0	16.0
Minimum	6.0	6.0	6.0	6.0	6.0	10.0	6.0	6.0	6.0
Maximum	30.0	22.0	30.0	30.0	22.0	30.0	22.0	22.0	20.0
Number of surveys	236	201	35	110	95	15	126	106	20

What is the length of your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Feet									
< 13	20.3%	20.4%	20.0%	18.2%	18.9%	13.3%	22.2%	21.7%	25.0%
13 - 14	16.9%	18.4%	8.6%	18.2%	20.0%	6.7%	15.9%	17.0%	10.0%
15 - 16	27.5%	28.4%	22.9%	23.6%	24.2%	20.0%	31.0%	32.1%	25.0%
17 - 20	30.9%	28.9%	42.9%	33.6%	31.6%	46.7%	28.6%	26.4%	40.0%
21 - 25	3.8%	4.0%	2.9%	5.5%	5.3%	6.7%	2.4%	2.8%	.0%
> 25	.4%	.0%	2.9%	.9%	.0%	6.7%	.0%	.0%	.0%
Number of surveys	236	201	35	110	95	15	126	106	20

What size motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Horsepower									
Mean	73.6	69.9	105.6	78.4	75.2	108.0	69.4	65.1	103.8
Median	60.0	52.5	80.0	65.0	65.0	85.0	50.0	50.0	70.0
Minimum	1.0	1.0	5.0	4.0	4.0	5.0	1.0	1.0	6.0
Maximum	750.0	750.0	310.0	750.0	750.0	310.0	280.0	280.0	265.0
Number of surveys	221	198	23	103	93	10	118	105	13

What size motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Horsepower									
< 11	13.6%	13.1%	17.4%	14.6%	15.1%	10.0%	12.7%	11.4%	23.1%
11 - 20	9.5%	10.1%	4.3%	5.8%	6.5%	.0%	12.7%	13.3%	7.7%
21 - 50	25.8%	26.8%	17.4%	21.4%	21.5%	20.0%	29.7%	31.4%	15.4%
51 - 100	26.2%	27.3%	17.4%	34.0%	34.4%	30.0%	19.5%	21.0%	7.7%
> 100	24.9%	22.7%	43.5%	24.3%	22.6%	40.0%	25.4%	22.9%	46.2%
Number of surveys	221	198	23	103	93	10	118	105	13

What type of motor do you have

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Motor type									
Gas	90.4%	94.1%	68.6%	92.0%	94.9%	73.3%	88.9%	93.4%	65.0%
Electric	3.8%	3.4%	5.7%	2.7%	2.0%	6.7%	4.8%	4.7%	5.0%
No motor	5.4%	2.0%	25.7%	4.4%	2.0%	20.0%	6.3%	1.9%	30.0%
Don't know	.4%	.5%	.0%	.9%	1.0%	.0%	.0%	.0%	.0%
Number of surveys	239	204	35	113	98	15	126	106	20

What size #2 motor do you have?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Horsepower						
Mean	9.0	9.0	9.8	9.8	7.0	7.0
Median	9.0	9.0	9.0	9.0	7.0	7.0
Minimum	5.0	5.0	5.0	5.0	5.0	5.0
Maximum	15.0	15.0	15.0	15.0	9.0	9.0
Number of surveys	7	7	5	5	2	2

What size #2 motor do you have?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Horsepower						
< 11	71.4%	71.4%	60.0%	60.0%	100.0%	100.0%
11 - 20	28.6%	28.6%	40.0%	40.0%	.0%	.0%
Number of surveys	7	7	5	5	2	2

What type of #2 motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Motor type									
Gas	6.6%	8.9%	2.9%	10.3%	16.7%	.0%	3.8%	3.1%	5.0%
Electric	49.5%	75.0%	8.6%	41.0%	66.7%	.0%	55.8%	81.3%	15.0%
No motor	41.8%	12.5%	88.6%	46.2%	12.5%	100.0%	38.5%	12.5%	80.0%
Don't know	2.2%	3.6%	.0%	2.6%	4.2%	.0%	1.9%	3.1%	.0%
Number of surveys	91	56	35	39	24	15	52	32	20

Which of the following do you have on your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Safety equipment									
Fire extinguisher	46.4%	46.0%	48.6%	51.0%	49.4%	60.0%	42.6%	43.2%	40.0%
Horn	35.5%	32.4%	51.4%	37.5%	33.3%	60.0%	33.9%	31.6%	45.0%
Lights	65.4%	66.5%	60.0%	68.8%	67.9%	73.3%	62.6%	65.3%	50.0%
Visual signal	19.4%	18.2%	25.7%	18.8%	16.0%	33.3%	20.0%	20.0%	20.0%
None	24.6%	21.6%	40.0%	17.7%	16.0%	26.7%	30.4%	26.3%	50.0%
Don't know	.5%	.6%	.0%	1.0%	1.2%	.0%	.0%	.0%	.0%
Number of surveys	211	176	35	96	81	15	115	95	20

How far is your home from here?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Miles						
Mean	12.5	12.5	15.7	15.7	9.6	9.6
Median	10.0	10.0	13.0	13.0	10.0	10.0
Minimum	1.0	1.0	1.0	1.0	1.0	1.0
Maximum	50.0	50.0	50.0	50.0	50.0	50.0
Number of surveys	205	205	98	98	107	107

How far is your home from here?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Miles						
< 6	27.8%	27.8%	15.3%	15.3%	39.3%	39.3%
6 - 10	30.7%	30.7%	22.4%	22.4%	38.3%	38.3%
11 - 15	23.9%	23.9%	33.7%	33.7%	15.0%	15.0%
16 - 20	2.9%	2.9%	5.1%	5.1%	.9%	.9%
> 20	14.6%	14.6%	23.5%	23.5%	6.5%	6.5%
Number of surveys	205	205	98	98	107	107

Are you the registered boat owner?

Response	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Yes	86.3%	86.3%	86.7%	86.7%	86.0%	86.0%
No	13.7%	13.7%	13.3%	13.3%	14.0%	14.0%
Number of surveys	205	205	98	98	107	107

Do you have a home or other residence on this lake/river?

Response	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Yes	3.4%	3.4%	2.1%	2.1%	4.7%	4.7%
No	96.6%	96.6%	97.9%	97.9%	95.3%	95.3%
Number of surveys	203	203	96	96	107	107

How many years have you been boating on this lake/river?

Years	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Mean	8.4	7.4	13.3	7.8	6.6	13.7	9.0	8.2	13.0
Median	5.0	3.0	10.0	5.0	3.0	10.0	5.0	3.0	10.0
Minimum	.0	.0	.0	.0	.0	.0	.0	.0	2.0
Maximum	58.0	45.0	58.0	45.0	40.0	45.0	58.0	45.0	58.0
Number of surveys	246	205	41	119	98	21	127	107	20

How many years have you been boating on this lake/river?

Years	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
< 6	55.7%	60.5%	31.7%	56.3%	61.2%	33.3%	55.1%	59.8%	30.0%
6 - 10	19.1%	18.5%	22.0%	20.2%	20.4%	19.0%	18.1%	16.8%	25.0%
11 - 15	9.3%	7.8%	17.1%	9.2%	9.2%	9.5%	9.4%	6.5%	25.0%
16 - 20	6.5%	5.9%	9.8%	5.9%	4.1%	14.3%	7.1%	7.5%	5.0%
21 - 30	4.1%	2.9%	9.8%	4.2%	2.0%	14.3%	3.9%	3.7%	5.0%
> 30	5.3%	4.4%	9.8%	4.2%	3.1%	9.5%	6.3%	5.6%	10.0%
Number of surveys	246	205	41	119	98	21	127	107	20

Have you taken a formal course in boating safety

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	33.2%	35.0%	22.9%	36.6%	36.1%	40.0%	30.2%	34.0%	10.0%
No	66.4%	64.5%	77.1%	63.4%	63.9%	60.0%	69.0%	65.1%	90.0%
Don't know	.4%	.5%	.0%	.0%	.0%	.0%	.8%	.9%	.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Did you travel through any parts of the lake/river where you thought there were too many boats?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	4.3%	2.5%	14.3%	3.6%	3.1%	6.7%	4.9%	1.9%	20.0%
No	92.8%	94.0%	85.7%	93.8%	93.8%	93.3%	91.9%	94.2%	80.0%
Don't know	3.0%	3.5%	.0%	2.7%	3.1%	.0%	3.3%	3.9%	.0%
Number of surveys	235	200	35	112	97	15	123	103	20

How does the number of boats you encountered on this trip compare to the number of boats you have seen on other trips on this same part of the lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Number of boats									
Substantially fewer	19.4%	20.8%	11.4%	12.6%	13.5%	6.7%	25.4%	27.4%	15.0%
Slightly fewer	21.5%	24.3%	5.7%	16.2%	16.7%	13.3%	26.2%	31.1%	.0%
About the same	43.9%	43.1%	48.6%	55.9%	54.2%	66.7%	33.3%	33.0%	35.0%
Slightly more	4.6%	3.5%	11.4%	7.2%	6.3%	13.3%	2.4%	.9%	10.0%
Substantially more	5.9%	4.0%	17.1%	4.5%	5.2%	.0%	7.1%	2.8%	30.0%
Not here before	1.7%	2.0%	.0%	1.8%	2.1%	.0%	1.6%	1.9%	.0%
Don't know	3.0%	2.5%	5.7%	1.8%	2.1%	.0%	4.0%	2.8%	10.0%
Number of surveys	237	202	35	111	96	15	126	106	20

From a safety standpoint, how do you feel about the number of boats on the lake/river today?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Feel									
Few boats	21.6%	21.9%	20.0%	12.7%	12.6%	13.3%	29.4%	30.2%	25.0%
About right	69.9%	74.1%	45.7%	77.3%	82.1%	46.7%	63.5%	67.0%	45.0%
Crowded	6.4%	3.5%	22.9%	8.2%	4.2%	33.3%	4.8%	2.8%	15.0%
Far too crowded	1.7%	.0%	11.4%	.9%	.0%	6.7%	2.4%	.0%	15.0%
Don't know	.4%	.5%	.0%	.9%	1.1%	.0%	.0%	.0%	.0%
Number of surveys	236	201	35	110	95	15	126	106	20

Again from a safety standpoint, how do you feel about the number of boats that are "usually" on this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Feel									
Few boats	9.2%	9.8%	5.7%	5.3%	6.1%	.0%	12.6%	13.1%	10.0%
About right	70.4%	72.7%	57.1%	77.0%	78.6%	66.7%	64.6%	67.3%	50.0%
Crowded	12.9%	10.2%	28.6%	11.5%	10.2%	20.0%	14.2%	10.3%	35.0%
Far too crowded	3.3%	2.4%	8.6%	1.8%	.0%	13.3%	4.7%	4.7%	5.0%
Don't know	4.2%	4.9%	.0%	4.4%	5.1%	.0%	3.9%	4.7%	.0%
Number of surveys	240	205	35	113	98	15	127	107	20

What special boating restrictions are there for this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Restriction									
Speed/quiet waters	26.1%	27.6%	17.1%	26.9%	28.0%	20.0%	25.4%	27.4%	15.0%
Horsepower	4.7%	4.5%	5.7%	6.5%	5.4%	13.3%	3.2%	3.8%	.0%
Time	11.1%	7.5%	31.4%	13.0%	8.6%	40.0%	9.5%	6.6%	25.0%
Boat type/size	5.1%	5.5%	2.9%	6.5%	6.5%	6.7%	4.0%	4.7%	.0%
Area of lake	3.4%	3.0%	5.7%	3.7%	3.2%	6.7%	3.2%	2.8%	5.0%
Remove exotics	41.0%	36.7%	65.7%	43.5%	38.7%	73.3%	38.9%	34.9%	60.0%
Other	6.8%	5.5%	14.3%	8.3%	6.5%	20.0%	5.6%	4.7%	10.0%
None	17.9%	19.6%	8.6%	13.0%	14.0%	6.7%	22.2%	24.5%	10.0%
Don't know	29.9%	31.2%	22.9%	34.3%	36.6%	20.0%	26.2%	26.4%	25.0%
Number of surveys	234	199	35	108	93	15	126	106	20

Overall, how do these restrictions affect your enjoyment of the lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Enjoyment									
Add to	40.4%	37.9%	54.3%	38.9%	35.5%	60.0%	41.8%	40.2%	50.0%
Detract from	1.3%	1.5%	.0%	.9%	1.1%	.0%	1.6%	2.0%	.0%
Neutral	58.3%	60.5%	45.7%	60.2%	63.4%	40.0%	56.6%	57.8%	50.0%
Number of surveys	230	195	35	108	93	15	122	102	20

What special boating restrictions do you feel are needed on this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Restriction									
Speed/quiet waters	16.1%	14.2%	25.7%	20.4%	19.3%	26.7%	12.4%	9.7%	25.0%
Horsepower	11.4%	9.1%	22.9%	14.3%	10.8%	33.3%	8.8%	7.5%	15.0%
Time	6.2%	1.7%	28.6%	4.1%	.0%	26.7%	8.0%	3.2%	30.0%
Boat type/size	11.8%	10.2%	20.0%	15.3%	13.3%	26.7%	8.8%	7.5%	15.0%
Area of lake	2.8%	1.1%	11.4%	2.0%	1.2%	6.7%	3.5%	1.1%	15.0%
More enforcement	9.0%	5.1%	28.6%	9.2%	7.2%	20.0%	8.8%	3.2%	35.0%
Remove exotics	19.4%	14.8%	42.9%	25.5%	21.7%	46.7%	14.2%	8.6%	40.0%
Other	17.1%	12.5%	40.0%	16.3%	13.3%	33.3%	17.7%	11.8%	45.0%
None	40.8%	45.5%	17.1%	31.6%	36.1%	6.7%	48.7%	53.8%	25.0%
Don't know	16.1%	17.0%	11.4%	16.3%	16.9%	13.3%	15.9%	17.2%	10.0%
Number of surveys	211	176	35	98	83	15	113	93	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Careless or inconsiderate operation of boats

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	83.5%	90.5%	42.9%	82.7%	89.5%	40.0%	84.1%	91.5%	45.0%
Slight problem	8.5%	4.0%	34.3%	10.0%	5.3%	40.0%	7.1%	2.8%	30.0%
Moderate problem	3.8%	3.5%	5.7%	4.5%	4.2%	6.7%	3.2%	2.8%	5.0%
Serious problem	2.1%	.5%	11.4%	1.8%	.0%	13.3%	2.4%	.9%	10.0%
Very serious problem	2.1%	1.5%	5.7%	.9%	1.1%	.0%	3.2%	1.9%	10.0%
Number of surveys	236	201	35	110	95	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boat operators who have been drinking too much

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	89.1%	94.1%	60.0%	90.2%	92.8%	73.3%	88.1%	95.3%	50.0%
Slight problem	1.7%	.0%	11.4%	1.8%	.0%	13.3%	1.6%	.0%	10.0%
Moderate problem	2.1%	1.5%	5.7%	2.7%	2.1%	6.7%	1.6%	.9%	5.0%
Serious problem	1.3%	1.0%	2.9%	.0%	.0%	.0%	2.4%	1.9%	5.0%
Very serious problem	.8%	1.0%	.0%	.0%	.0%	.0%	1.6%	1.9%	.0%
Don't know	5.0%	2.5%	20.0%	5.4%	5.2%	6.7%	4.8%	.0%	30.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
The amount of noise on the lake

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	84.5%	96.1%	17.1%	86.6%	97.9%	13.3%	82.5%	94.3%	20.0%
Slight problem	5.0%	2.0%	22.9%	4.5%	2.1%	20.0%	5.6%	1.9%	25.0%
Moderate problem	4.2%	.0%	28.6%	4.5%	.0%	33.3%	4.0%	.0%	25.0%
Serious problem	2.9%	1.0%	14.3%	1.8%	.0%	13.3%	4.0%	1.9%	15.0%
Very serious problem	3.4%	1.0%	17.1%	2.7%	.0%	20.0%	4.0%	1.9%	15.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Near miss or collision

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	91.6%	96.5%	62.9%	91.9%	96.9%	60.0%	91.3%	96.2%	65.0%
Slight problem	3.8%	1.0%	20.0%	5.4%	2.1%	26.7%	2.4%	.0%	15.0%
Moderate problem	.8%	.0%	5.7%	.0%	.0%	.0%	1.6%	.0%	10.0%
Serious problem	.8%	.0%	5.7%	1.8%	.0%	13.3%	.0%	.0%	.0%
Very serious problem	2.1%	2.0%	2.9%	.0%	.0%	.0%	4.0%	3.8%	5.0%
Don't know	.8%	.5%	2.9%	.9%	1.0%	.0%	.8%	.0%	5.0%
Number of surveys	237	202	35	111	96	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
High wakes

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	85.2%	92.5%	42.9%	86.4%	92.6%	46.7%	84.1%	92.5%	40.0%
Slight problem	7.2%	3.0%	31.4%	9.1%	5.3%	33.3%	5.6%	.9%	30.0%
Moderate problem	4.2%	2.5%	14.3%	1.8%	1.1%	6.7%	6.3%	3.8%	20.0%
Serious problem	2.1%	1.0%	8.6%	1.8%	1.1%	6.7%	2.4%	.9%	10.0%
Very serious problem	.8%	1.0%	.0%	.0%	.0%	.0%	1.6%	1.9%	.0%
Don't know	.4%	.0%	2.9%	.9%	.0%	6.7%	.0%	.0%	.0%
Number of surveys	236	201	35	110	95	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Use of personal watercraft (jet skis)

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	65.0%	74.1%	11.4%	67.3%	76.5%	6.7%	63.0%	72.0%	15.0%
Slight problem	10.4%	9.8%	14.3%	7.1%	6.1%	13.3%	13.4%	13.1%	15.0%
Moderate problem	13.3%	12.2%	20.0%	11.5%	12.2%	6.7%	15.0%	12.1%	30.0%
Serious problem	5.0%	2.9%	17.1%	5.3%	3.1%	20.0%	4.7%	2.8%	15.0%
Very serious problem	6.3%	1.0%	37.1%	8.8%	2.0%	53.3%	3.9%	.0%	25.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Overloaded boats

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	90.3%	94.1%	68.6%	89.3%	92.8%	66.7%	91.3%	95.3%	70.0%
Slight problem	5.5%	3.0%	20.0%	8.0%	5.2%	26.7%	3.2%	.9%	15.0%
Moderate problem	1.7%	1.0%	5.7%	.9%	.0%	6.7%	2.4%	1.9%	5.0%
Serious problem	.4%	.0%	2.9%	.0%	.0%	.0%	.8%	.0%	5.0%
Very serious problem	.8%	1.0%	.0%	.0%	.0%	.0%	1.6%	1.9%	.0%
Don't know	1.3%	1.0%	2.9%	1.8%	2.1%	.0%	.8%	.0%	5.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Large boats (over 24 feet long)

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	93.7%	95.1%	85.7%	93.8%	95.9%	80.0%	93.7%	94.3%	90.0%
Slight problem	2.5%	1.0%	11.4%	3.6%	1.0%	20.0%	1.6%	.9%	5.0%
Moderate problem	2.9%	3.0%	2.9%	2.7%	3.1%	.0%	3.2%	2.8%	5.0%
Serious problem	.8%	1.0%	.0%	.0%	.0%	.0%	1.6%	1.9%	.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boats operating too fast, too close to shore/docks

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	81.5%	89.7%	34.3%	80.4%	87.6%	33.3%	82.5%	91.5%	35.0%
Slight problem	8.4%	4.9%	28.6%	10.7%	7.2%	33.3%	6.3%	2.8%	25.0%
Moderate problem	5.5%	3.4%	17.1%	5.4%	3.1%	20.0%	5.6%	3.8%	15.0%
Serious problem	2.9%	2.0%	8.6%	2.7%	2.1%	6.7%	3.2%	1.9%	10.0%
Very serious problem	1.7%	.0%	11.4%	.9%	.0%	6.7%	2.4%	.0%	15.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boats not yielding the right-of-way

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	88.1%	93.5%	57.1%	88.2%	91.6%	66.7%	88.1%	95.3%	50.0%
Slight problem	8.1%	4.0%	31.4%	9.1%	6.3%	26.7%	7.1%	1.9%	35.0%
Moderate problem	1.3%	1.0%	2.9%	1.8%	1.1%	6.7%	.8%	.9%	.0%
Serious problem	2.1%	1.0%	8.6%	.0%	.0%	.0%	4.0%	1.9%	15.0%
Don't know	.4%	.5%	.0%	.9%	1.1%	.0%	.0%	.0%	.0%
Number of surveys	286	201	35	110	95	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Excessive speed in channels and crowded areas

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	88.7%	93.1%	62.9%	86.6%	90.7%	60.0%	90.5%	95.3%	65.0%
Slight problem	3.8%	2.5%	11.4%	7.1%	5.2%	20.0%	.8%	.0%	5.0%
Moderate problem	3.8%	3.0%	8.6%	3.6%	3.1%	6.7%	4.0%	2.8%	10.0%
Serious problem	.4%	.0%	2.9%	.0%	.0%	.0%	.8%	.0%	5.0%
Very serious problem	1.7%	1.0%	5.7%	.9%	.0%	6.7%	2.4%	1.9%	5.0%
Don't know	1.7%	.5%	8.6%	1.8%	1.0%	6.7%	1.6%	.0%	10.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Excessive speed in open water

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	86.6%	92.6%	51.4%	84.8%	89.7%	53.3%	88.1%	95.3%	50.0%
Slight problem	5.9%	3.4%	20.0%	9.8%	7.2%	26.7%	2.4%	.0%	15.0%
Moderate problem	5.0%	3.0%	17.1%	4.5%	3.1%	13.3%	5.6%	2.8%	20.0%
Serious problem	.4%	.0%	2.9%	.0%	.0%	.0%	.8%	.0%	5.0%
Very serious problem	2.1%	1.0%	8.6%	.9%	.0%	6.7%	3.2%	1.9%	10.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Presence of Eurasian milfoil

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	67.9%	76.1%	20.0%	69.9%	79.6%	6.7%	66.1%	72.9%	30.0%
Slight problem	7.9%	7.8%	8.6%	8.8%	9.2%	6.7%	7.1%	6.5%	10.0%
Moderate problem	9.6%	9.3%	11.4%	7.1%	6.1%	13.3%	11.8%	12.1%	10.0%
Serious problem	5.8%	2.0%	28.6%	6.2%	2.0%	33.3%	5.5%	1.9%	25.0%
Very serious problem	5.4%	2.9%	20.0%	4.4%	1.0%	26.7%	6.3%	4.7%	15.0%
Don't know	3.3%	2.0%	11.4%	3.5%	2.0%	13.3%	3.1%	1.9%	10.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Presence of zebra mussels

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Problem type									
Not a problem	85.7%	91.6%	51.4%	84.8%	90.7%	46.7%	86.5%	92.5%	55.0%
Slight problem	.4%	.0%	2.9%	.0%	.0%	.0%	.8%	.0%	5.0%
Moderate problem	.8%	1.0%	.0%	.9%	1.0%	.0%	.8%	.9%	.0%
Serious problem	1.7%	1.0%	5.7%	3.6%	2.1%	13.3%	.0%	.0%	.0%
Very serious problem	.8%	1.0%	.0%	.0%	.0%	.0%	1.6%	1.9%	.0%
Don't know	10.5%	5.4%	40.0%	10.7%	6.2%	40.0%	10.3%	4.7%	40.0%
Number of surveys	238	203	35	112	97	15	126	106	20

Overall, how satisfied or dissatisfied were you with your boating experience on this trip?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Rating									
Very satisfied	36.4%	36.3%	37.1%	34.8%	33.0%	46.7%	37.8%	39.3%	30.0%
Satisfied	60.3%	62.7%	45.7%	61.6%	64.9%	40.0%	59.1%	60.7%	50.0%
Dissatisfied	1.3%	.0%	8.6%	.9%	.0%	6.7%	1.6%	.0%	10.0%
Very dissatisfied	1.3%	1.0%	2.9%	1.8%	2.1%	.0%	.8%	.0%	5.0%
Don't know	.8%	.0%	5.7%	.9%	.0%	6.7%	.8%	.0%	5.0%
Number of surveys	239	204	35	112	97	15	127	107	20

Would you come back to this lake if you knew there were going to be about the same number of boats?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	97.0%	98.0%	91.4%	98.2%	97.9%	100.0%	96.0%	98.1%	85.0%
No	3.0%	2.0%	8.6%	1.8%	2.1%	.0%	4.0%	1.9%	15.0%
Number of surveys	237	202	35	112	97	15	125	105	20

While you were on the lake, did you see an enforcement officer?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	5.8%	6.8%	.0%	6.2%	7.1%	.0%	5.5%	6.5%	.0%
No	94.2%	93.2%	100.0%	93.8%	92.9%	100.0%	94.5%	93.5%	100.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Were you checked by an enforcement officer?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Response									
Yes	2.9%	3.4%	.0%	3.5%	4.1%	.0%	2.4%	2.8%	.0%
No	97.1%	96.6%	100.0%	96.5%	95.9%	100.0%	97.6%	97.2%	100.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Should all boat operators (powered & unpowered boats) be required to complete a boating safety course?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Response						
Yes	34.6%	34.6%	40.8%	40.8%	29.0%	29.0%
No	53.2%	53.2%	50.0%	50.0%	56.1%	56.1%
Don't know	12.2%	12.2%	9.2%	9.2%	15.0%	15.0%
Number of surveys	205	205	98	98	107	107

Have you ever used this access before?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Response						
Yes	83.3%	83.3%	78.4%	78.4%	87.7%	87.7%
No	16.7%	16.7%	21.6%	21.6%	12.3%	12.3%
Number of surveys	203	203	97	97	106	106

Have you ever tried to use a free public access on this lake/river but could not find legal parking?

Figures are: Column percent Response	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Yes	36.8%	36.8%	46.4%	46.4%	27.9%	27.9%
No	63.2%	63.2%	53.6%	53.6%	72.1%	72.1%
Number of surveys	201	201	97	97	104	104

How many times did that happen in the past 12 months?

Figures are: Column percent Times	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Mean	2.6	2.6	2.5	2.5	2.7	2.7
Median	2.0	2.0	2.0	2.0	2.5	2.5
Minimum	1.0	1.0	1.0	1.0	1.0	1.0
Maximum	6.0	6.0	6.0	6.0	6.0	6.0
Number of surveys	61	61	37	37	24	24

How many times did that happen in the past 12 months?

Figures are: Column percent Times	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
1	32.8%	32.8%	40.5%	40.5%	20.8%	20.8%
2	24.6%	24.6%	21.6%	21.6%	29.2%	29.2%
3	18.0%	18.0%	10.8%	10.8%	29.2%	29.2%
4	9.8%	9.8%	8.1%	8.1%	12.5%	12.5%
5	4.9%	4.9%	8.1%	8.1%	.0%	.0%
6+	9.8%	9.8%	10.8%	10.8%	8.3%	8.3%
Number of surveys	61	61	37	37	24	24

What did you do when you couldn't find legal parking?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Action						
Park illegally	12.5%	12.5%	9.1%	9.1%	17.9%	17.9%
Used another access	2.8%	2.8%	4.5%	4.5%	.0%	.0%
Used another lake	54.2%	54.2%	56.8%	56.8%	50.0%	50.0%
Didn't boat	19.4%	19.4%	15.9%	15.9%	25.0%	25.0%
Other	11.1%	11.1%	13.6%	13.6%	7.1%	7.1%
Number of surveys	72	72	44	44	28	28

How would you rate this access for launching and landing a boat?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Rating						
Excellent	15.7%	15.7%	16.5%	16.5%	15.0%	15.0%
Good	68.6%	68.6%	68.0%	68.0%	69.2%	69.2%
Poor	12.3%	12.3%	12.4%	12.4%	12.1%	12.1%
Very poor	.5%	.5%	.0%	.0%	.9%	.9%
Don't know	2.9%	2.9%	3.1%	3.1%	2.8%	2.8%
Number of surveys	204	204	97	97	107	107

Did you have any particular problems using this access today?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Response						
Yes	24.4%	24.4%	25.6%	25.6%	23.3%	23.3%
No	75.6%	75.6%	74.4%	74.4%	76.7%	76.7%
Number of surveys	193	193	90	90	103	103

What was the problem?

Figures are: Column percent Problem	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Not enough parking	37.8%	37.8%	47.8%	47.8%	27.3%	27.3%
No room ramp: land	15.6%	15.6%	13.0%	13.0%	18.2%	18.2%
Water too shallow	31.1%	31.1%	26.1%	26.1%	36.4%	36.4%
No room ramp: water	11.1%	11.1%	13.0%	13.0%	9.1%	9.1%
No dock	15.6%	15.6%	13.0%	13.0%	18.2%	18.2%
Ramp blocked by cars	13.3%	13.3%	17.4%	17.4%	9.1%	9.1%
Inadequate signs	2.2%	2.2%	.0%	.0%	4.5%	4.5%
Road access safety	2.2%	2.2%	4.3%	4.3%	.0%	.0%
Ramp not maintained	15.6%	15.6%	21.7%	21.7%	9.1%	9.1%
Too few launch lanes	11.1%	11.1%	8.7%	8.7%	13.6%	13.6%
Other	17.8%	17.8%	21.7%	21.7%	13.6%	13.6%
Number of surveys	45	45	23	23	22	22

Which of the following improvements do you feel are needed at this launch site?

Figures are: Column percent Improvements	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Directional signs	4.3%	4.3%	4.9%	4.9%	3.6%	3.6%
Trash pickup	11.2%	11.2%	14.8%	14.8%	7.3%	7.3%
Information signs	2.6%	2.6%	1.6%	1.6%	3.6%	3.6%
Toilets	10.3%	10.3%	9.8%	9.8%	10.9%	10.9%
Dock	8.6%	8.6%	8.2%	8.2%	9.1%	9.1%
Toilet maintenance	25.9%	25.9%	21.3%	21.3%	30.9%	30.9%
Better lighting	9.5%	9.5%	9.8%	9.8%	9.1%	9.1%
More launch lanes	16.4%	16.4%	24.6%	24.6%	7.3%	7.3%
Beacon light	.9%	.9%	1.6%	1.6%	.0%	.0%
Better enforcement	5.2%	5.2%	3.3%	3.3%	7.3%	7.3%
Launch assistant	.9%	.9%	1.6%	1.6%	.0%	.0%
Trash containers	30.2%	30.2%	24.6%	24.6%	36.4%	36.4%
Other	34.5%	34.5%	37.7%	37.7%	30.9%	30.9%
Number of surveys	116	116	61	61	55	55

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Billboards

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	17.2%	17.6%	14.7%	16.7%	17.2%	13.3%	17.6%	17.9%	15.8%
Moderately effective	33.9%	35.7%	23.5%	37.0%	37.6%	33.3%	31.2%	34.0%	15.8%
Slightly effective	27.0%	27.1%	26.5%	27.8%	25.8%	40.0%	26.4%	28.3%	15.8%
Not effective	14.6%	13.1%	23.5%	11.1%	11.8%	6.7%	17.6%	14.2%	36.8%
Don't know	7.3%	6.5%	11.8%	7.4%	7.5%	6.7%	7.2%	5.7%	15.8%
Number of surveys	233	199	34	108	93	15	125	106	19

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Radio coverage/messages

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	16.4%	14.7%	25.7%	18.9%	17.6%	26.7%	14.3%	12.3%	25.0%
Moderately effective	37.1%	40.1%	20.0%	35.8%	38.5%	20.0%	38.1%	41.5%	20.0%
Slightly effective	26.3%	25.4%	31.4%	25.5%	23.1%	40.0%	27.0%	27.4%	25.0%
Not effective	13.8%	13.7%	14.3%	14.2%	14.3%	13.3%	13.5%	13.2%	15.0%
Don't know	6.5%	6.1%	8.6%	5.7%	6.6%	.0%	7.1%	5.7%	15.0%
Number of surveys	232	197	35	106	91	15	126	106	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
TV coverage/messages

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	17.7%	16.8%	22.9%	19.8%	19.8%	20.0%	15.9%	14.2%	25.0%
Moderately effective	39.2%	41.6%	25.7%	38.7%	39.6%	33.3%	39.7%	43.4%	20.0%
Slightly effective	22.0%	21.8%	22.9%	19.8%	19.8%	20.0%	23.8%	23.6%	25.0%
Not effective	12.9%	12.2%	17.1%	14.2%	13.2%	20.0%	11.9%	11.3%	15.0%
Don't know	8.2%	7.6%	11.4%	7.5%	7.7%	6.7%	8.7%	7.5%	15.0%
Number of surveys	232	197	35	106	91	15	126	106	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Brochures and fact sheets handed out to boaters and anglers

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	25.6%	24.6%	31.4%	26.2%	23.9%	40.0%	25.2%	25.2%	25.0%
Moderately effective	39.7%	41.7%	28.6%	43.0%	44.6%	33.3%	37.0%	39.3%	25.0%
Slightly effective	17.9%	18.1%	17.1%	14.0%	14.1%	13.3%	21.3%	21.5%	20.0%
Not effective	12.0%	12.6%	8.6%	13.1%	13.0%	13.3%	11.0%	12.1%	5.0%
Don't know	4.7%	3.0%	14.3%	3.7%	4.3%	.0%	5.5%	1.9%	25.0%
Number of surveys	234	199	35	107	92	15	127	107	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Laws that make it illegal to transport exotic species

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	47.2%	47.4%	45.7%	47.1%	47.2%	46.7%	47.2%	47.6%	45.0%
Moderately effective	26.6%	28.4%	17.1%	26.9%	28.1%	20.0%	26.4%	28.6%	15.0%
Slightly effective	9.6%	8.8%	14.3%	8.7%	7.9%	13.3%	10.4%	9.5%	15.0%
Not effective	10.0%	10.3%	8.6%	10.6%	11.2%	6.7%	9.6%	9.5%	10.0%
Don't know	6.6%	5.2%	14.3%	6.7%	5.6%	13.3%	6.4%	4.8%	15.0%
Number of surveys	229	194	35	104	89	15	125	105	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Road checks to enforce the laws

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	46.3%	47.4%	40.0%	44.3%	44.0%	46.7%	48.0%	50.5%	35.0%
Moderately effective	29.4%	30.1%	25.7%	35.8%	38.5%	20.0%	24.0%	22.9%	30.0%
Slightly effective	8.2%	7.1%	14.3%	5.7%	5.5%	6.7%	10.4%	8.6%	20.0%
Not effective	9.1%	8.7%	11.4%	8.5%	6.6%	20.0%	9.6%	10.5%	5.0%
Don't know	6.9%	6.6%	8.6%	5.7%	5.5%	6.7%	8.0%	7.6%	10.0%
Number of surveys	231	196	35	106	91	15	125	105	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Signs at boat landings

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	30.9%	28.3%	45.7%	35.5%	31.5%	60.0%	27.0%	25.5%	35.0%
Moderately effective	44.6%	47.0%	31.4%	43.9%	45.7%	33.3%	45.2%	48.1%	30.0%
Slightly effective	10.7%	10.6%	11.4%	6.5%	6.5%	6.7%	14.3%	14.2%	15.0%
Not effective	7.7%	8.6%	2.9%	9.3%	10.9%	.0%	6.3%	6.6%	5.0%
Don't know	6.0%	5.6%	8.6%	4.7%	5.4%	.0%	7.1%	5.7%	15.0%
Number of surveys	233	198	35	107	92	15	126	106	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Inspection-education programs at boat launches

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	30.6%	25.9%	57.1%	37.4%	30.4%	80.0%	24.8%	21.9%	40.0%
Moderately effective	39.7%	42.1%	25.7%	33.6%	37.0%	13.3%	44.8%	46.7%	35.0%
Slightly effective	10.8%	12.2%	2.9%	12.1%	13.0%	6.7%	9.6%	11.4%	.0%
Not effective	9.1%	9.6%	5.7%	7.5%	8.7%	.0%	10.4%	10.5%	10.0%
Don't know	9.9%	10.2%	8.6%	9.3%	10.9%	.0%	10.4%	9.5%	15.0%
Number of surveys	232	197	35	107	92	15	125	105	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Articles in newsletters and magazines

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	12.6%	11.3%	20.0%	14.4%	13.5%	20.0%	11.1%	9.4%	20.0%
Moderately effective	35.2%	35.9%	31.4%	31.7%	30.3%	40.0%	38.1%	40.6%	25.0%
Slightly effective	23.9%	23.6%	25.7%	25.0%	24.7%	26.7%	23.0%	22.6%	25.0%
Not effective	17.4%	17.9%	14.3%	18.3%	19.1%	13.3%	16.7%	17.0%	15.0%
Don't know	10.9%	11.3%	8.6%	10.6%	12.4%	.0%	11.1%	10.4%	15.0%
Number of surveys	230	195	35	104	89	15	126	106	20

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Information included in fishing and boating regulations and pamphlets

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Very effective	25.2%	25.6%	22.9%	30.6%	31.2%	26.7%	20.6%	20.8%	20.0%
Moderately effective	42.7%	44.2%	34.3%	38.9%	38.7%	40.0%	46.0%	49.1%	30.0%
Slightly effective	17.1%	16.1%	22.9%	13.9%	12.9%	20.0%	19.8%	18.9%	25.0%
Not effective	12.0%	11.6%	14.3%	13.0%	12.9%	13.3%	11.1%	10.4%	15.0%
Don't know	3.0%	2.5%	5.7%	3.7%	4.3%	.0%	2.4%	.9%	10.0%
Number of surveys	234	199	35	108	93	15	126	106	20

After removing boats from a lake or stream, how often do you do any of the following?  
Conduct visual inspection of boats and equipment

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Almost always	87.5%	92.7%	57.1%	91.2%	91.8%	86.7%	84.3%	93.5%	35.0%
Sometimes	5.0%	5.4%	2.9%	5.3%	5.1%	6.7%	4.7%	5.6%	.0%
Never	.8%	.0%	5.7%	.0%	.0%	.0%	1.6%	.0%	10.0%
Doesn't apply	6.3%	2.0%	31.4%	3.5%	3.1%	6.7%	8.7%	.9%	50.0%
Don't know	.4%	.0%	2.9%	.0%	.0%	.0%	.8%	.0%	5.0%
Number of surveys	240	205	35	113	98	15	127	107	20

After removing boats from a lake or stream, how often do you do any of the following?  
Clean vegetation or mussels from boat and equipment

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Almost always	84.8%	90.6%	51.4%	87.3%	87.4%	86.7%	82.7%	93.5%	25.0%
Sometimes	5.1%	5.4%	2.9%	6.4%	6.3%	6.7%	3.9%	4.7%	.0%
Never	.4%	.0%	2.9%	.0%	.0%	.0%	.8%	.0%	5.0%
Doesn't apply	7.6%	2.0%	40.0%	3.6%	3.2%	6.7%	11.0%	.9%	65.0%
Don't know	2.1%	2.0%	2.9%	2.7%	3.2%	.0%	1.6%	.9%	5.0%
Number of surveys	237	202	35	110	95	15	127	107	20

After removing boats from a lake or stream, how often do you do any of the following?  
 Drain water from boats, including live wells, bilge, and bait containers before going to another lake or river

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Almost always	62.5%	66.3%	40.0%	61.9%	62.2%	60.0%	63.0%	70.1%	25.0%
Sometimes	15.8%	18.0%	2.9%	18.6%	21.4%	.0%	13.4%	15.0%	5.0%
Never	7.1%	7.8%	2.9%	8.0%	9.2%	.0%	6.3%	6.5%	5.0%
Doesn't apply	13.3%	6.8%	51.4%	9.7%	5.1%	40.0%	16.5%	8.4%	60.0%
Don't know	1.3%	1.0%	2.9%	1.8%	2.0%	.0%	.8%	.0%	5.0%
Number of surveys	240	205	35	113	98	15	127	107	20

After removing boats from a lake or stream, how often do you do any of the following?  
 Dispose of leftover bait minnows on shore

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Almost always	24.7%	25.0%	22.9%	19.6%	19.6%	20.0%	29.1%	29.9%	25.0%
Sometimes	15.1%	15.7%	11.4%	17.9%	18.6%	13.3%	12.6%	13.1%	10.0%
Never	32.6%	36.8%	8.6%	33.0%	36.1%	13.3%	32.3%	37.4%	5.0%
Doesn't apply	26.4%	21.6%	54.3%	27.7%	23.7%	53.3%	25.2%	19.6%	55.0%
Don't know	1.3%	1.0%	2.9%	1.8%	2.1%	.0%	.8%	.0%	5.0%
Number of surveys	239	204	35	112	97	15	127	107	20

After removing boats from a lake or stream, how often do you do any of the following?  
 Flush motor's cooling system with clean water

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Almost always	11.3%	12.2%	5.7%	12.0%	12.9%	6.7%	10.6%	11.7%	5.0%
Sometimes	13.0%	13.8%	8.6%	13.0%	12.9%	13.3%	13.0%	14.6%	5.0%
Never	41.6%	44.4%	25.7%	48.1%	51.6%	26.7%	35.8%	37.9%	25.0%
Doesn't apply	28.6%	25.5%	45.7%	22.2%	19.4%	40.0%	34.1%	31.1%	50.0%
Don't know	5.6%	4.1%	14.3%	4.6%	3.2%	13.3%	6.5%	4.9%	15.0%
Number of surveys	231	196	35	108	93	15	123	103	20

After removing boats from a lake or stream, how often do you do any of the following?  
 Before launching in a different waterbody, do you allow boats to dry for 5 days?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Almost always	16.3%	14.7%	25.7%	20.5%	19.6%	26.7%	12.6%	10.3%	25.0%
Sometimes	51.0%	57.4%	14.3%	43.8%	46.4%	26.7%	57.5%	67.3%	5.0%
Never	20.5%	22.5%	8.6%	25.0%	26.8%	13.3%	16.5%	18.7%	5.0%
Doesn't apply	11.3%	4.9%	48.6%	9.8%	6.2%	33.3%	12.6%	3.7%	60.0%
Don't know	.8%	.5%	2.9%	.9%	1.0%	.0%	.8%	.0%	5.0%
Number of surveys	239	204	35	112	97	15	127	107	20

After removing boats from a lake or stream, how often do you do any of the following?  
 Before launching in a different waterbody, do you rinse boats with hot or high pressure water?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Action									
Almost always	17.6%	20.2%	2.9%	20.7%	24.0%	.0%	15.0%	16.8%	5.0%
Sometimes	38.7%	43.3%	11.4%	33.3%	36.5%	13.3%	43.3%	49.5%	10.0%
Never	32.4%	33.0%	28.6%	36.9%	36.5%	40.0%	28.3%	29.9%	20.0%
Doesn't apply	10.5%	3.0%	54.3%	9.0%	3.1%	46.7%	11.8%	2.8%	60.0%
Don't know	.8%	.5%	2.9%	.0%	.0%	.0%	1.6%	.9%	5.0%
Number of surveys	238	203	35	111	96	15	127	107	20

What type of radio station do you primarily listen to?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Station type									
Classical	7.5%	5.4%	20.0%	6.2%	4.1%	20.0%	8.7%	6.6%	20.0%
Country	30.1%	32.4%	17.1%	29.2%	32.7%	6.7%	31.0%	32.1%	25.0%
Easy listening	9.2%	7.8%	17.1%	8.8%	7.1%	20.0%	9.5%	8.5%	15.0%
Jazz	6.3%	6.4%	5.7%	8.8%	8.2%	13.3%	4.0%	4.7%	.0%
Rock	27.2%	29.9%	11.4%	28.3%	31.6%	6.7%	26.2%	28.3%	15.0%
Talk	10.9%	9.3%	20.0%	13.3%	11.2%	26.7%	8.7%	7.5%	15.0%
Sports	3.8%	4.4%	.0%	1.8%	2.0%	.0%	5.6%	6.6%	.0%
Other	5.0%	4.4%	8.6%	3.5%	3.1%	6.7%	6.3%	5.7%	10.0%
Number of surveys	239	204	35	113	98	15	126	106	20

Do you have a home computer connected to an on-line service or the internet?

Response	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Yes	37.7%	37.3%	40.0%	37.7%	38.5%	33.3%	37.7%	36.3%	45.0%
No	58.8%	58.5%	60.0%	61.3%	60.4%	66.7%	56.6%	56.9%	55.0%
Don't know !	3.5%	4.1%	.0%	.9%	1.1%	.0%	5.7%	6.9%	.0%
Number of surveys	228	193	35	106	91	15	122	102	20

Do you have a home computer with a CD-ROM drive?

Response	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Yes	37.7%	36.3%	45.7%	43.4%	41.8%	53.3%	32.8%	31.4%	40.0%
No	58.8%	59.6%	54.3%	55.7%	57.1%	46.7%	61.5%	61.8%	60.0%
Don't know	3.5%	4.1%	.0%	.9%	1.1%	.0%	5.7%	6.9%	.0%
Number of surveys	228	193	35	106	91	15	122	102	20

Which of the beverages on the white card did you have with you on the boat today?

Drink	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
Soft drinks	64.3%	69.0%	37.1%	67.9%	72.2%	40.0%	61.0%	66.0%	35.0%
Coffee/tea/water	16.6%	18.5%	5.7%	19.6%	20.6%	13.3%	13.8%	16.5%	.0%
Other nonalcoholic	5.5%	6.5%	.0%	6.3%	7.2%	.0%	4.9%	5.8%	.0%
Beer	17.9%	18.5%	14.3%	24.1%	23.7%	26.7%	12.2%	13.6%	5.0%
Wine	1.3%	1.5%	.0%	.9%	1.0%	.0%	1.6%	1.9%	.0%
Other alcoholic	.4%	.5%	.0%	.0%	.0%	.0%	.8%	1.0%	.0%
None	21.3%	15.0%	57.1%	17.9%	13.4%	46.7%	24.4%	16.5%	65.0%
Refused to answer	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
Don't know	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
Number of surveys	235	200	35	112	97	15	123	103	20

Which category on the blue card best describes your total household income before taxes last year?

Figures are: Column percent Action	All days			Weekends			Weekdays		
	Total	Public access	Resident	Total	Public access	Resident	Total	Public access	Resident
< \$20,000	1.3%	1.0%	2.9%	1.8%	2.0%	.0%	.8%	.0%	5.0%
\$20,000 - \$29,999	.8%	1.0%	.0%	1.8%	2.0%	.0%	.0%	.0%	.0%
\$30,000 - \$39,999	7.1%	8.3%	.0%	6.2%	7.1%	.0%	7.9%	9.3%	.0%
\$40,000 - \$49,999	15.4%	17.1%	5.7%	13.3%	13.3%	13.3%	17.3%	20.6%	.0%
\$50,000 - \$74,999	12.1%	11.7%	14.3%	15.0%	13.3%	26.7%	9.4%	10.3%	5.0%
\$75,000 - \$99,999	8.8%	5.9%	25.7%	9.7%	8.2%	20.0%	7.9%	3.7%	30.0%
\$100,000 +	8.8%	4.9%	31.4%	8.8%	6.1%	26.7%	8.7%	3.7%	35.0%
Refused	45.4%	49.8%	20.0%	43.4%	48.0%	13.3%	47.2%	51.4%	25.0%
Don't know	.4%	.5%	.0%	.0%	.0%	.0%	.8%	.9%	.0%
Number of surveys	240	205	35	113	98	15	127	107	20

Which of these statements best describes you?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Resident	Total	Resident	Total	Resident
Own residence	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Number of surveys	41	41	21	21	20	20

Did you yourself operate the boat for any of the time on that day?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Resident	Total	Resident	Total	Resident
Yes	88.6%	88.6%	86.7%	86.7%	90.0%	90.0%
No	11.4%	11.4%	13.3%	13.3%	10.0%	10.0%
Number of surveys	35	35	15	15	20	20

In the past 12 months, how many times did you use  
a free public access on the lake that fronts your property?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Resident	Total	Resident	Total	Resident
0	48.8%	48.8%	47.6%	47.6%	50.0%	50.0%
1	9.8%	9.8%	9.5%	9.5%	10.0%	10.0%
2	22.0%	22.0%	19.0%	19.0%	25.0%	25.0%
3	2.4%	2.4%	4.8%	4.8%	.0%	.0%
4	7.3%	7.3%	9.5%	9.5%	5.0%	5.0%
5	2.4%	2.4%	.0%	.0%	5.0%	5.0%
6	2.4%	2.4%	4.8%	4.8%	.0%	.0%
10	2.4%	2.4%	4.8%	4.8%	.0%	.0%
20	2.4%	2.4%	.0%	.0%	5.0%	5.0%
Number of surveys	41	41	21	21	20	20

## APPENDIX 3

### SURVEY RESULTS: MISSISSIPPI AND ST CROIX RIVERS

Survey results in this appendix were compiled by the Minnesota Department of Natural Resources, Office of Planning, from data supplied as a part of this study. Survey results in this appendix do not include the metro lakes which are presented in Appendix 1 or the special sample lakes (Fish and Long) which are presented in Appendix 2.

Survey results for the Mississippi and St Croix Rivers were not differentially weighted prior to analysis. The sample by day of week, however, appears to be representative of boating use by day of week since about half of the surveys are from weekends/holidays and half from weekdays.

Tables of survey results are broken down by day of week (all days, weekends/holidays, weekdays). Within each day of week breakdown, the results are reported by source of use (total, public access, marina/private access, residents). The column labeled 'Total' refers to all sources of use. The row labeled 'Number of surveys' shows the unweighted number of completed surveys in each of the column categories.

Type of boat

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Boat type									
Cruiser	35.0%	6.3%	64.0%	45.3%	7.0%	83.2%	25.0%	5.7%	45.1%
Runabout	31.8%	40.3%	23.2%	23.9%	35.0%	12.9%	39.4%	45.3%	33.3%
Fishing	25.2%	43.7%	6.4%	24.9%	48.0%	2.0%	25.5%	39.6%	10.8%
Sailboat	3.2%	3.9%	2.5%	1.5%	3.0%	.0%	4.8%	4.7%	4.9%
Pontoon	.7%	.0%	1.5%	.0%	.0%	.0%	1.4%	.0%	2.9%
Canoe/Kayak	.2%	.5%	.0%	.5%	1.0%	.0%	.0%	.0%	.0%
Jet ski	2.7%	5.3%	.0%	3.0%	6.0%	.0%	2.4%	4.7%	.0%
Other	1.2%	.0%	2.5%	1.0%	.0%	2.0%	1.4%	.0%	2.9%
Number of surveys	409	206	203	201	100	101	208	106	102

Number of adults

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Adults									
0	.5%	1.0%	.0%	.5%	1.0%	.0%	.5%	.9%	.0%
1	19.3%	24.3%	14.3%	23.4%	30.0%	16.8%	15.4%	18.9%	11.8%
2	49.1%	48.1%	50.2%	45.8%	39.0%	52.5%	52.4%	56.6%	48.0%
3	15.4%	15.0%	15.8%	16.9%	17.0%	16.8%	13.9%	13.2%	14.7%
4	12.7%	9.7%	15.8%	10.9%	10.0%	11.9%	14.4%	9.4%	19.6%
5	.2%	.5%	.0%	.5%	1.0%	.0%	.0%	.0%	.0%
6	1.7%	1.5%	2.0%	1.0%	2.0%	.0%	2.4%	.9%	3.9%
8	1.0%	.0%	2.0%	1.0%	.0%	2.0%	1.0%	.0%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Number of teens

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Teens									
0	81.2%	78.2%	84.2%	83.1%	78.0%	88.1%	79.3%	78.3%	80.4%
1	10.3%	13.1%	7.4%	10.9%	15.0%	6.9%	9.6%	11.3%	7.8%
2	7.6%	7.3%	7.9%	5.5%	6.0%	5.0%	9.6%	8.5%	10.8%
3	.7%	1.0%	.5%	.0%	.0%	.0%	1.4%	1.9%	1.0%
4	.2%	.5%	.0%	.5%	1.0%	.0%	.0%	.0%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Number of children

Figures are: Column percent Children	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
0	77.0%	70.4%	83.7%	79.6%	76.0%	83.2%	74.5%	65.1%	84.3%
1	14.4%	18.9%	9.9%	13.4%	15.0%	11.9%	15.4%	22.6%	7.8%
2	7.3%	9.2%	5.4%	7.0%	9.0%	5.0%	7.7%	9.4%	5.9%
3	1.2%	1.5%	1.0%	.0%	.0%	.0%	2.4%	2.8%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Number of occupants

Figures are: Column percent Occupants	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
1	13.0%	13.1%	12.8%	14.9%	14.0%	15.8%	11.1%	12.3%	9.8%
2	31.8%	27.7%	36.0%	34.3%	31.0%	37.6%	29.3%	24.5%	34.3%
3	20.8%	25.2%	16.3%	22.9%	26.0%	19.8%	18.8%	24.5%	12.7%
4	24.0%	26.7%	21.2%	20.4%	22.0%	18.8%	27.4%	31.1%	23.5%
5	4.4%	4.9%	3.9%	3.5%	4.0%	3.0%	5.3%	5.7%	4.9%
6	5.1%	2.4%	7.9%	3.0%	3.0%	3.0%	7.2%	1.9%	12.7%
8	1.0%	.0%	2.0%	1.0%	.0%	2.0%	1.0%	.0%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Percent of adults wearing life jackets

Figures are: Column percent Percent adults	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
0	44.7%	39.7%	49.8%	45.0%	34.3%	55.4%	44.4%	44.8%	44.1%
25	.7%	.0%	1.5%	1.5%	.0%	3.0%	.0%	.0%	.0%
33	2.5%	3.9%	1.0%	1.5%	3.0%	.0%	3.4%	4.8%	2.0%
50	7.6%	11.3%	3.9%	8.5%	14.1%	3.0%	6.8%	8.6%	4.9%
67	2.7%	4.4%	1.0%	2.5%	5.1%	.0%	2.9%	3.8%	2.0%
100	41.8%	40.7%	42.9%	41.0%	43.4%	38.6%	42.5%	38.1%	47.1%
Number of surveys	407	204	203	200	99	101	207	105	102

Percent of teens wearing life jackets

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Percent teens									
0	14.3%	13.3%	15.6%	8.8%	9.1%	8.3%	18.6%	17.4%	20.0%
50	5.2%	8.9%	.0%	5.9%	9.1%	.0%	4.7%	8.7%	.0%
67	2.6%	4.4%	.0%	.0%	.0%	.0%	4.7%	8.7%	.0%
100	77.9%	73.3%	84.4%	85.3%	81.8%	91.7%	72.1%	65.2%	80.0%
Number of surveys	77	45	32	34	22	12	43	23	20

Percent of children wearing life jackets

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Percent children									
0	13.8%	13.1%	15.2%	22.0%	20.8%	23.5%	7.5%	8.1%	6.3%
100	86.2%	86.9%	84.8%	78.0%	79.2%	76.5%	92.5%	91.9%	93.8%
Number of surveys	94	61	33	41	24	17	53	37	16

Percent of occupants wearing life jackets

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Percent occupants									
0	36.7%	30.1%	43.3%	38.8%	26.0%	51.5%	34.6%	34.0%	35.3%
20	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
25	1.0%	.0%	2.0%	1.5%	.0%	3.0%	.5%	.0%	1.0%
33	5.6%	6.8%	4.4%	3.5%	3.0%	4.0%	7.7%	10.4%	4.9%
40	.5%	1.0%	.0%	.0%	.0%	.0%	1.0%	1.9%	.0%
50	6.8%	9.2%	4.4%	8.5%	14.0%	3.0%	5.3%	4.7%	5.9%
60	.7%	1.0%	.5%	.5%	1.0%	.0%	1.0%	.9%	1.0%
67	4.2%	7.3%	1.0%	4.5%	9.0%	.0%	3.8%	5.7%	2.0%
75	2.7%	4.9%	.5%	2.0%	4.0%	.0%	3.4%	5.7%	1.0%
80	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
100	41.3%	39.8%	42.9%	40.8%	43.0%	38.6%	41.8%	36.8%	47.1%
Number of surveys	409	206	203	201	100	101	208	106	102

Where did you launch your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Launch site									
This access/marina	97.1%	96.1%	98.0%	97.5%	97.0%	98.0%	96.6%	95.3%	98.0%
Other public access	.5%	1.0%	.0%	1.0%	2.0%	.0%	.0%	.0%	.0%
Private access	1.0%	1.9%	.0%	.0%	.0%	.0%	1.9%	3.8%	.0%
Other marina	1.5%	1.0%	2.0%	1.5%	1.0%	2.0%	1.4%	.9%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Where did you park?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Parking site						
This lot	85.9%	85.9%	80.0%	80.0%	91.4%	91.4%
Street	3.9%	3.9%	6.0%	6.0%	1.9%	1.9%
Friend's home	2.4%	2.4%	2.0%	2.0%	2.9%	2.9%
Another lot	7.3%	7.3%	12.0%	12.0%	2.9%	2.9%
At home	.5%	.5%	.0%	.0%	1.0%	1.0%
Number of surveys	205	205	100	100	105	105

How far away is that?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Miles						
.00	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
.25	33.3%	33.3%	30.0%	30.0%	40.0%	40.0%
.50	50.0%	50.0%	60.0%	60.0%	30.0%	30.0%
1.00	3.3%	3.3%	.0%	.0%	10.0%	10.0%
4.00	3.3%	3.3%	.0%	.0%	10.0%	10.0%
Number of surveys	30	30	20	20	10	10

What time did you launch?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Time									
Midnight - 6am	1.0%	1.0%	1.0%	1.0%	2.0%	.0%	1.0%	.0%	2.0%
6am - noon	51.8%	51.5%	52.2%	54.2%	54.0%	54.5%	49.5%	49.1%	50.0%
Noon - 6pm	43.8%	44.7%	42.9%	42.3%	41.0%	43.6%	45.2%	48.1%	42.2%
6pm - midnight	3.4%	2.9%	3.9%	2.5%	3.0%	2.0%	4.3%	2.8%	5.9%
Number of surveys	409	206	203	201	100	101	208	106	102

That means you were on the lake/river about \_\_\_\_ hours. Is that correct?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Hours									
Mean	3.3	3.1	3.5	3.4	3.0	3.8	3.3	3.3	3.3
Median	2.5	2.0	3.0	3.0	2.5	3.0	2.0	2.0	2.3
Minimum	.5	.5	.5	.5	.5	.5	.5	.5	.5
Maximum	28.0	28.0	24.0	24.0	10.0	24.0	28.0	28.0	24.0
Number of surveys	409	206	203	201	100	101	208	106	102

That means you were on the lake/river about \_\_\_\_ hours. Is that correct?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Hours									
0.1 - 1.9	26.4%	31.1%	21.7%	25.9%	32.0%	19.8%	26.9%	30.2%	23.5%
2.0 - 2.9	27.1%	26.2%	28.1%	21.9%	22.0%	21.8%	32.2%	30.2%	34.3%
3.0 - 3.9	17.4%	15.5%	19.2%	18.9%	18.0%	19.8%	15.9%	13.2%	18.6%
4.0 - 4.9	9.5%	9.2%	9.9%	11.9%	9.0%	14.9%	7.2%	9.4%	4.9%
5+	19.6%	18.0%	21.2%	21.4%	19.0%	23.8%	17.8%	17.0%	18.6%
Number of surveys	409	206	203	201	100	101	208	106	102

How many of those hours were spent on shore or tied up at a dock?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Hours									
Mean	.4	.2	.5	.3	.2	.5	.4	.2	.6
Median	.0	.0	.0	.0	.0	.0	.0	.0	.0
Minimum	.0	.0	.0	.0	.0	.0	.0	.0	.0
Maximum	12.0	6.0	12.0	12.0	2.0	12.0	12.0	6.0	12.0
Number of surveys	409	206	203	201	100	101	208	106	102

How many of those hours were spent on shore or tied up at a dock?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Hours									
.0	81.2%	83.5%	78.8%	82.6%	83.0%	82.2%	79.8%	84.0%	75.5%
0.1 - 1.9	13.9%	15.0%	12.8%	12.9%	16.0%	9.9%	14.9%	14.2%	15.7%
2.0 - 2.9	2.7%	1.0%	4.4%	2.5%	1.0%	4.0%	2.9%	.9%	4.9%
5+	2.2%	.5%	3.9%	2.0%	.0%	4.0%	2.4%	.9%	3.9%
Number of surveys	409	206	203	201	100	101	208	106	102

What was your group's primary activity on the lake/river today?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Activity									
Fishing	29.8%	46.1%	13.3%	27.9%	50.0%	5.9%	31.7%	42.5%	20.6%
Water skiing	10.0%	14.1%	5.9%	8.0%	15.0%	1.0%	12.0%	13.2%	10.8%
Sailing	3.2%	3.9%	2.5%	1.5%	3.0%	.0%	4.8%	4.7%	4.9%
Canoeing	.2%	.5%	.0%	.0%	.0%	.0%	.5%	.9%	.0%
Boat ride	56.7%	35.4%	78.3%	62.7%	32.0%	93.1%	51.0%	38.7%	63.7%
Number of surveys	409	206	203	201	100	101	208	106	102

While you were boating today, did you pull your boat up on the beach?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	17.5%	20.7%	14.3%	16.1%	19.4%	12.9%	18.8%	21.9%	15.7%
No	82.5%	79.3%	85.7%	83.9%	80.6%	87.1%	81.2%	78.1%	84.3%
Number of surveys	406	203	203	199	98	101	207	105	102

While you were boating today, did you anchor or tie up with other boats into a raft?

Figures are: Column percent Response	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Yes	10.6%	9.3%	11.8%	11.6%	12.2%	10.9%	9.6%	6.6%	12.7%
No	89.4%	90.7%	88.2%	88.4%	87.8%	89.1%	90.4%	93.4%	87.3%
Number of surveys	407	204	203	199	98	101	208	106	102

Are there sufficient opportunities on the lake/river to:  
Beach your boat?

Figures are: Column percent Response	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Yes	60.4%	64.1%	56.7%	59.7%	70.0%	49.5%	61.1%	58.5%	63.7%
No	26.2%	23.3%	29.1%	27.9%	18.0%	37.6%	24.5%	28.3%	20.6%
Don't know	13.4%	12.6%	14.3%	12.4%	12.0%	12.9%	14.4%	13.2%	15.7%
Number of surveys	409	206	203	201	100	101	208	106	102

Are there sufficient opportunities on the lake/river to:  
Anchor or tie up with other boats into rafts?

Figures are: Column percent Response	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Yes	63.3%	64.6%	62.1%	63.7%	77.0%	50.5%	63.0%	52.8%	73.5%
No	22.5%	20.9%	24.1%	23.9%	11.0%	36.6%	21.2%	30.2%	11.8%
Don't know	14.2%	14.6%	13.8%	12.4%	12.0%	12.9%	15.9%	17.0%	14.7%
Number of surveys	409	206	203	201	100	101	208	106	102

Are there sufficient opportunities on the lake/river to:  
Use picnic areas or toilets at a public lakeshore wayside?

Figures are: Column percent Response	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Yes	70.7%	84.5%	56.7%	77.6%	91.0%	64.4%	63.9%	78.3%	49.0%
No	16.1%	9.7%	22.7%	12.9%	3.0%	22.8%	19.2%	16.0%	22.5%
Don't know	13.2%	5.8%	20.7%	9.5%	6.0%	12.9%	16.8%	5.7%	28.4%
Number of surveys	409	206	203	201	100	101	208	106	102

Are there sufficient opportunities on the lake/river to:  
Use restaurants?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	40.8%	35.9%	45.8%	38.3%	39.0%	37.6%	43.3%	33.0%	53.9%
No	42.3%	47.1%	37.4%	46.8%	45.0%	48.5%	38.0%	49.1%	26.5%
Don't know	16.9%	17.0%	16.7%	14.9%	16.0%	13.9%	18.8%	17.9%	19.6%
Number of surveys	409	206	203	201	100	101	208	106	102

Are there sufficient opportunities on the lake/river to:  
Purchase gasoline?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	67.5%	54.9%	80.3%	67.7%	65.0%	70.3%	67.3%	45.3%	90.2%
No	23.5%	32.0%	14.8%	23.9%	21.0%	26.7%	23.1%	42.5%	2.9%
Don't know	9.0%	13.1%	4.9%	8.5%	14.0%	3.0%	9.6%	12.3%	6.9%
Number of surveys	409	206	203	201	100	101	208	106	102

What is the length of your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Feet									
Mean	24.3	16.7	31.9	25.5	16.5	34.4	23.1	16.9	29.4
Median	18.0	17.0	28.0	20.0	16.0	32.0	18.0	17.0	21.5
Minimum	7.0	7.0	16.0	7.0	7.0	16.0	8.0	8.0	16.0
Maximum	85.0	45.0	85.0	79.0	28.0	79.0	85.0	45.0	85.0
Number of surveys	408	205	203	201	100	101	207	105	102

What is the length of your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Feet									
< 13	4.9%	9.8%	.0%	5.5%	11.0%	.0%	4.3%	8.6%	.0%
13 - 14	2.9%	5.9%	.0%	3.0%	6.0%	.0%	2.9%	5.7%	.0%
15 - 16	19.6%	33.2%	5.9%	19.4%	35.0%	4.0%	19.8%	31.4%	7.8%
17 - 20	31.1%	40.5%	21.7%	22.4%	37.0%	7.9%	39.6%	43.8%	35.3%
21 - 25	10.8%	9.8%	11.8%	9.0%	10.0%	7.9%	12.6%	9.5%	15.7%
> 25	30.6%	1.0%	60.6%	40.8%	1.0%	80.2%	20.8%	1.0%	41.2%
Number of surveys	408	205	203	201	100	101	207	105	102

What size motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Horsepower									
Mean	153.2	102.6	202.7	172.9	107.4	235.9	134.0	98.1	169.8
Median	120.0	85.0	200.0	142.5	90.0	250.0	115.0	85.0	150.0
Minimum	2.0	2.0	4.0	2.0	2.0	55.0	4.0	5.0	4.0
Maximum	600.0	600.0	471.0	471.0	440.0	471.0	600.0	600.0	471.0
Number of surveys	402	199	203	198	97	101	204	102	102

What size motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Horsepower									
< 11	3.7%	5.5%	2.0%	1.0%	2.1%	.0%	6.4%	8.8%	3.9%
11 - 20	2.0%	3.5%	.5%	3.5%	7.2%	.0%	.5%	.0%	1.0%
21 - 50	9.0%	16.1%	2.0%	7.6%	15.5%	.0%	10.3%	16.7%	3.9%
51 - 100	24.1%	35.7%	12.8%	20.7%	34.0%	7.9%	27.5%	37.3%	17.6%
> 100	61.2%	39.2%	82.8%	67.2%	41.2%	92.1%	55.4%	37.3%	73.5%
Number of surveys	402	199	203	198	97	101	204	102	102

What type of motor do you have

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Motor type									
Gas	97.3%	94.7%	100.0%	98.0%	96.0%	100.0%	96.6%	93.4%	100.0%
Electric	.7%	1.5%	.0%	.0%	.0%	.0%	1.4%	2.8%	.0%
No motor	1.7%	3.4%	.0%	2.0%	4.0%	.0%	1.4%	2.8%	.0%
Don't know	.2%	.5%	.0%	.0%	.0%	.0%	.5%	.9%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

What size #2 motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Horsepower									
Mean	122.4	24.5	132.5	152.6	18.4	172.5	89.0	41.0	91.7
Median	55.0	5.0	60.0	120.0	5.0	135.0	22.5	5.0	25.0
Minimum	3.0	3.0	5.0	5.0	5.0	5.0	3.0	3.0	5.0
Maximum	671.0	115.0	671.0	671.0	99.0	671.0	671.0	115.0	671.0
Number of surveys	118	11	107	62	8	54	56	3	53

What size #2 motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Horsepower									
< 11	18.6%	72.7%	13.1%	16.1%	75.0%	7.4%	21.4%	66.7%	18.9%
11 - 20	21.2%	9.1%	22.4%	14.5%	12.5%	14.8%	28.6%	.0%	30.2%
21 - 50	10.2%	.0%	11.2%	8.1%	.0%	9.3%	12.5%	.0%	13.2%
51 - 100	4.2%	9.1%	3.7%	3.2%	12.5%	1.9%	5.4%	.0%	5.7%
> 100	45.8%	9.1%	49.5%	58.1%	.0%	66.7%	32.1%	33.3%	32.1%
Number of surveys	118	11	107	62	8	54	56	3	53

What type of #2 motor do you have?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Motor type									
Gas	61.8%	20.0%	78.7%	58.5%	28.6%	69.2%	65.9%	11.1%	91.4%
Electric	24.1%	76.4%	2.9%	18.9%	71.4%	.0%	30.6%	81.5%	6.9%
No motor	14.1%	3.6%	18.4%	22.6%	.0%	30.8%	3.5%	7.4%	1.7%
Number of surveys	191	55	136	106	28	78	85	27	58

Which of the following do you have on your boat?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Safety equipment									
Fire extinguisher	69.8%	55.6%	83.7%	74.0%	53.7%	93.1%	65.9%	57.3%	74.5%
Horn	62.3%	42.4%	81.8%	67.9%	41.1%	93.1%	57.1%	43.7%	70.6%
Lights	88.0%	82.3%	93.6%	88.3%	78.9%	97.0%	87.8%	85.4%	90.2%
Visual signal	54.4%	30.3%	77.8%	54.6%	27.4%	80.2%	54.1%	33.0%	75.5%
None	5.5%	9.1%	2.0%	6.1%	11.6%	1.0%	4.9%	6.8%	2.9%
Don't know	1.0%	.0%	2.0%	1.0%	.0%	2.0%	1.0%	.0%	2.0%
Number of surveys	401	198	203	196	95	101	205	103	102

How far is your home from here?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Miles									
Mean	16.7	12.7	20.7	12.0	12.6	11.3	21.3	12.8	30.0
Median	9.0	8.0	10.0	8.0	7.5	8.0	10.0	10.0	10.0
Minimum	.0	1.0	.0	.0	1.0	.0	.0	1.0	.0
Maximum	1800.0	115.0	1800.0	85.0	85.0	55.0	1800.0	115.0	1800.0
Number of surveys	409	206	203	201	100	101	208	106	102

How far is your home from here?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Miles									
< 6	38.4%	37.4%	39.4%	40.8%	38.0%	43.6%	36.1%	36.8%	35.3%
6 - 10	24.2%	26.7%	21.7%	25.9%	30.0%	21.8%	22.6%	23.6%	21.6%
11 - 15	14.4%	13.1%	15.8%	12.9%	10.0%	15.8%	15.9%	16.0%	15.7%
16 - 20	8.8%	9.7%	7.9%	6.5%	8.0%	5.0%	11.1%	11.3%	10.8%
> 20	14.2%	13.1%	15.3%	13.9%	14.0%	13.9%	14.4%	12.3%	16.7%
Number of surveys	409	206	203	201	100	101	208	106	102

Are you the registered boat owner?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	83.1%	82.5%	83.7%	88.6%	84.0%	93.1%	77.9%	81.1%	74.5%
No	16.9%	17.5%	16.3%	11.4%	16.0%	6.9%	22.1%	18.9%	25.5%
Number of surveys	409	206	203	201	100	101	208	106	102

Do you have a home or other residence on this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	4.4%	3.9%	4.9%	6.0%	6.1%	5.9%	2.9%	1.9%	3.9%
No	95.6%	96.1%	95.1%	94.0%	93.9%	94.1%	97.1%	98.1%	96.1%
Number of surveys	407	204	203	199	98	101	208	106	102

How many years have you been boating on this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Years									
Mean	10.3	9.0	11.7	10.7	9.7	11.6	10.0	8.4	11.7
Median	7.0	5.0	8.0	6.0	5.0	8.0	7.0	5.0	8.0
Minimum	.0	.0	1.0	.0	.0	1.0	.0	.0	1.0
Maximum	50.0	45.0	50.0	50.0	42.0	50.0	48.0	45.0	48.0
Number of surveys	409	206	203	201	100	101	208	106	102

How many years have you been boating on this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Years									
< 6	44.7%	51.9%	37.4%	47.3%	53.0%	41.6%	42.3%	50.9%	33.3%
6 - 10	21.3%	19.4%	23.2%	16.9%	16.0%	17.8%	25.5%	22.6%	28.4%
11 - 15	10.8%	9.7%	11.8%	8.0%	8.0%	7.9%	13.5%	11.3%	15.7%
16 - 20	8.6%	5.8%	11.3%	10.4%	6.0%	14.9%	6.7%	5.7%	7.8%
21 - 30	10.3%	9.7%	10.8%	12.4%	12.0%	12.9%	8.2%	7.5%	8.8%
> 30	4.4%	3.4%	5.4%	5.0%	5.0%	5.0%	3.8%	1.9%	5.9%
Number of surveys	409	206	203	201	100	101	208	106	102

Have you taken a formal course in boating safety

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	42.1%	46.6%	37.4%	51.7%	53.0%	50.5%	32.7%	40.6%	24.5%
No	57.2%	51.9%	62.6%	47.3%	45.0%	49.5%	66.8%	58.5%	75.5%
Don't know	.7%	1.5%	.0%	1.0%	2.0%	.0%	.5%	.9%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Did you travel through any parts of the lake/river where you thought there were too many boats?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	14.8%	11.8%	17.7%	15.2%	14.4%	15.8%	14.4%	9.4%	19.6%
No	83.7%	87.2%	80.3%	83.8%	83.5%	84.2%	83.7%	90.6%	76.5%
Don't know	1.5%	1.0%	2.0%	1.0%	2.1%	.0%	1.9%	.0%	3.9%
Number of surveys	406	203	203	198	97	101	208	106	102

How does the number of boats you encountered on this trip compare to the number of boats you have seen on other trips on this same part of the lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Number of boats									
Substantially fewer	18.8%	20.4%	17.2%	15.9%	16.0%	15.8%	21.6%	24.5%	18.6%
Slightly fewer	26.9%	29.6%	24.1%	25.4%	28.0%	22.8%	28.4%	31.1%	25.5%
About the same	37.7%	23.8%	51.7%	41.3%	27.0%	55.4%	34.1%	20.8%	48.0%
Slightly more	.8.3%	11.7%	4.9%	8.5%	14.0%	3.0%	8.2%	9.4%	6.9%
Substantially more	3.4%	6.8%	.0%	4.5%	9.0%	.0%	2.4%	4.7%	.0%
Not here before	1.5%	2.9%	.0%	1.5%	3.0%	.0%	1.4%	2.8%	.0%
Don't know	3.4%	4.9%	2.0%	3.0%	3.0%	3.0%	3.8%	6.6%	1.0%
Number of surveys	409	206	203	201	100	101	208	106	102

From a safety standpoint, how do you feel about the number of boats on the lake/river today?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Feel									
Few boats	19.8%	17.0%	22.7%	15.4%	12.0%	18.8%	24.0%	21.7%	26.5%
About right	66.0%	68.9%	63.1%	69.7%	70.0%	69.3%	62.5%	67.9%	56.9%
Crowded	10.5%	7.3%	13.8%	10.9%	10.0%	11.9%	10.1%	4.7%	15.7%
Far too crowded	2.2%	3.9%	.5%	2.5%	5.0%	.0%	1.9%	2.8%	1.0%
Don't know	1.5%	2.9%	.0%	1.5%	3.0%	.0%	1.4%	2.8%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Again from a safety standpoint, how do you feel about the number of boats that are "usually" on this lake/river?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Feel									
Few boats	4.2%	7.8%	.5%	3.0%	6.1%	.0%	5.3%	9.4%	1.0%
About right	57.2%	53.4%	61.1%	60.3%	50.0%	70.3%	54.3%	56.6%	52.0%
Crowded	26.3%	24.0%	28.6%	23.6%	26.5%	20.8%	28.8%	21.7%	36.3%
Far too crowded	7.4%	8.8%	5.9%	10.1%	14.3%	5.9%	4.8%	3.8%	5.9%
Don't know	4.9%	5.9%	3.9%	3.0%	3.1%	3.0%	6.7%	8.5%	4.9%
Number of surveys	407	204	203	199	98	101	208	106	102

What special boating restrictions are there for this lake/river?

Restriction	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Speed/quiet waters	62.4%	42.8%	81.8%	64.6%	45.4%	83.2%	60.2%	40.4%	80.4%
Horsepower	10.4%	14.4%	6.4%	11.6%	16.5%	6.9%	9.2%	12.5%	5.9%
Time	9.4%	9.0%	9.9%	7.1%	9.3%	5.0%	11.7%	8.7%	14.7%
Boat type/size	9.2%	15.4%	3.0%	6.1%	12.4%	.0%	12.1%	18.3%	5.9%
Area of lake	13.4%	5.5%	21.2%	10.6%	9.3%	11.9%	16.0%	1.9%	30.4%
Remove exotics	43.8%	44.3%	43.3%	40.4%	46.4%	34.7%	47.1%	42.3%	52.0%
Other	6.9%	7.0%	6.9%	7.6%	6.2%	8.9%	6.3%	7.7%	4.9%
None	7.7%	12.9%	2.5%	8.1%	12.4%	4.0%	7.3%	13.5%	1.0%
Don't know	17.3%	19.9%	14.8%	17.7%	21.6%	13.9%	17.0%	18.3%	15.7%
Number of surveys	404	201	203	198	97	101	206	104	102

Overall, how do these restrictions affect your enjoyment of the lake/river?

Enjoyment	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Add to	48.5%	49.2%	47.8%	44.7%	43.7%	45.5%	51.9%	53.8%	50.0%
Deduct from	.5%	1.0%	.0%	.5%	1.1%	.0%	.5%	.9%	.0%
Neutral	51.0%	49.7%	52.2%	54.8%	55.2%	54.5%	47.6%	45.3%	50.0%
Number of surveys	396	193	203	188	87	101	208	106	102

What special boating restrictions do you feel are needed on this lake/river?

Restriction	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Speed/quiet waters	16.1%	16.5%	15.8%	9.4%	13.2%	5.9%	22.4%	19.4%	25.5%
Horsepower	8.1%	13.9%	2.5%	6.8%	14.3%	.0%	9.3%	13.6%	4.9%
Time	7.8%	11.3%	4.4%	8.3%	16.5%	1.0%	7.3%	6.8%	7.8%
Boat type/size	14.9%	28.4%	2.0%	14.6%	30.8%	.0%	15.1%	26.2%	3.9%
Area of lake	9.1%	8.8%	9.4%	5.2%	8.8%	2.0%	12.7%	8.7%	16.7%
More enforcement	14.6%	16.5%	12.8%	15.1%	22.0%	8.9%	14.1%	11.7%	16.7%
Remove exotics	10.6%	10.3%	10.8%	5.7%	8.8%	3.0%	15.1%	11.7%	18.6%
Other	10.8%	19.1%	3.0%	9.4%	16.5%	3.0%	12.2%	21.4%	2.9%
None	42.3%	36.1%	48.3%	51.6%	37.4%	64.4%	33.7%	35.0%	32.4%
Don't know	23.7%	17.5%	29.6%	19.3%	15.4%	22.8%	27.8%	19.4%	36.3%
Number of surveys	397	194	203	192	91	101	205	103	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Careless or inconsiderate operation of boats

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	76.8%	84.0%	69.5%	74.1%	82.0%	66.3%	79.3%	85.8%	72.5%
Slight problem	10.0%	10.7%	9.4%	9.5%	12.0%	6.9%	10.6%	9.4%	11.8%
Moderate problem	10.3%	4.4%	16.3%	12.4%	5.0%	19.8%	8.2%	3.8%	12.7%
Serious problem	2.0%	1.0%	3.0%	2.0%	1.0%	3.0%	1.9%	.9%	2.9%
Don't know	1.0%	.0%	2.0%	2.0%	.0%	4.0%	.0%	.0%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boat operators who have been drinking too much

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	77.5%	79.6%	75.4%	76.6%	76.0%	77.2%	78.4%	83.0%	73.5%
Slight problem	9.0%	7.3%	10.8%	8.5%	10.0%	6.9%	9.6%	4.7%	14.7%
Moderate problem	4.9%	4.9%	4.9%	5.0%	5.0%	5.0%	4.8%	4.7%	4.9%
Serious problem	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
Very serious problem	1.0%	.0%	2.0%	1.5%	.0%	3.0%	.5%	.0%	1.0%
Don't know	7.3%	8.3%	6.4%	8.5%	9.0%	7.9%	6.3%	7.5%	4.9%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
The amount of noise on the lake

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	82.9%	86.4%	79.3%	79.6%	81.0%	78.2%	86.1%	91.5%	80.4%
Slight problem	10.3%	11.7%	8.9%	12.4%	16.0%	8.9%	8.2%	7.5%	8.8%
Moderate problem	3.2%	1.5%	4.9%	4.0%	3.0%	5.0%	2.4%	.0%	4.9%
Serious problem	1.7%	.5%	3.0%	1.5%	.0%	3.0%	1.9%	.9%	2.9%
Don't know	2.0%	.0%	3.9%	2.5%	.0%	5.0%	1.4%	.0%	2.9%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Near miss or collision

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	84.6%	87.4%	81.8%	84.1%	82.0%	86.1%	85.1%	92.5%	77.5%
Slight problem	11.5%	11.7%	11.3%	12.9%	17.0%	8.9%	10.1%	6.6%	13.7%
Moderate problem	3.7%	1.0%	6.4%	3.0%	1.0%	5.0%	4.3%	.9%	7.8%
Serious problem	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
High wakes

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	80.6%	79.9%	81.3%	75.9%	75.5%	76.2%	85.1%	84.0%	86.3%
Slight problem	9.1%	11.3%	6.9%	10.1%	12.2%	7.9%	8.2%	10.4%	5.9%
Moderate problem	5.2%	4.9%	5.4%	6.0%	6.1%	5.9%	4.3%	3.8%	4.9%
Serious problem	3.7%	2.9%	4.4%	6.0%	6.1%	5.9%	1.4%	.0%	2.9%
Very serious problem	.5%	1.0%	.0%	.0%	.0%	.0%	1.0%	1.9%	.0%
Don't know	1.0%	.0%	2.0%	2.0%	.0%	4.0%	.0%	.0%	.0%
Number of surveys	407	204	203	199	98	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Use of personal watercraft (jet skis)

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	64.3%	53.9%	74.9%	65.7%	52.0%	79.2%	63.0%	55.7%	70.6%
Slight problem	8.1%	14.1%	2.0%	6.5%	13.0%	.0%	9.6%	15.1%	3.9%
Moderate problem	13.2%	18.4%	7.9%	11.4%	18.0%	5.0%	14.9%	18.9%	10.8%
Serious problem	9.8%	6.8%	12.8%	9.5%	7.0%	11.9%	10.1%	6.6%	13.7%
Very serious problem	4.6%	6.8%	2.5%	7.0%	10.0%	4.0%	2.4%	3.8%	1.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Overloaded boats

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	88.0%	84.0%	92.1%	85.6%	81.0%	90.1%	90.4%	86.8%	94.1%
Slight problem	7.6%	12.6%	2.5%	9.5%	15.0%	4.0%	5.8%	10.4%	1.0%
Moderate problem	2.2%	3.4%	1.0%	2.0%	4.0%	.0%	2.4%	2.8%	2.0%
Serious problem	1.0%	.0%	2.0%	1.0%	.0%	2.0%	1.0%	.0%	2.0%
Very serious problem	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
Don't know	1.0%	.0%	2.0%	2.0%	.0%	4.0%	.0%	.0%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Large boats (over 24 feet long)

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	90.0%	86.9%	93.1%	87.6%	84.0%	91.1%	92.3%	89.6%	95.1%
Slight problem	5.4%	6.3%	4.4%	7.0%	9.0%	5.0%	3.8%	3.8%	3.9%
Moderate problem	2.9%	5.8%	.0%	2.5%	5.0%	.0%	3.4%	6.6%	.0%
Serious problem	.7%	1.0%	.5%	1.0%	2.0%	.0%	.5%	.0%	1.0%
Don't know	1.0%	.0%	2.0%	2.0%	.0%	4.0%	.0%	.0%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boats operating too fast, too close to shore/docks

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	75.3%	71.8%	78.8%	74.6%	68.0%	81.2%	76.0%	75.5%	76.5%
Slight problem	16.6%	20.9%	12.3%	15.9%	26.0%	5.9%	17.3%	16.0%	18.6%
Moderate problem	4.4%	2.4%	6.4%	6.0%	3.0%	8.9%	2.9%	1.9%	3.9%
Serious problem	2.7%	4.9%	.5%	1.5%	3.0%	.0%	3.8%	6.6%	1.0%
Don't know	1.0%	.0%	2.0%	2.0%	.0%	4.0%	.0%	.0%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Boats not yielding the right-of-way

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	78.0%	82.5%	73.4%	79.1%	82.0%	76.2%	76.9%	83.0%	70.6%
Slight problem	13.2%	13.1%	13.3%	10.9%	15.0%	6.9%	15.4%	11.3%	19.6%
Moderate problem	8.1%	3.4%	12.8%	10.0%	3.0%	16.8%	6.3%	3.8%	8.8%
Serious problem	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
Don't know	.5%	1.0%	.0%	.0%	.0%	.0%	1.0%	1.9%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Excessive speed in channels and crowded areas.

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	79.2%	81.1%	77.3%	79.1%	80.0%	78.2%	79.3%	82.1%	76.5%
Slight problem	11.0%	10.2%	11.8%	10.4%	12.0%	8.9%	11.5%	8.5%	14.7%
Moderate problem	8.8%	7.8%	9.9%	10.4%	8.0%	12.9%	7.2%	7.5%	6.9%
Serious problem	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
Very serious problem	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
Don't know	.5%	1.0%	.0%	.0%	.0%	.0%	1.0%	1.9%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Excessive speed in open water.

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	85.8%	80.6%	91.1%	87.1%	82.0%	92.1%	84.6%	79.2%	90.2%
Slight problem	8.6%	12.6%	4.4%	8.0%	13.0%	3.0%	9.1%	12.3%	5.9%
Moderate problem	3.9%	3.9%	3.9%	4.0%	3.0%	5.0%	3.8%	4.7%	2.9%
Serious problem	1.2%	1.9%	.5%	1.0%	2.0%	.0%	1.4%	1.9%	1.0%
Don't know	.5%	1.0%	.0%	.0%	.0%	.0%	1.0%	1.9%	.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Presence of Eurasian milfoil

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	72.4%	57.8%	87.2%	70.6%	51.0%	90.1%	74.0%	64.2%	84.3%
Slight problem	5.1%	7.3%	3.0%	7.0%	11.0%	3.0%	3.4%	3.8%	2.9%
Moderate problem	7.3%	14.6%	.0%	7.5%	15.0%	.0%	7.2%	14.2%	.0%
Serious problem	6.4%	11.7%	1.0%	7.5%	15.0%	.0%	5.3%	8.5%	2.0%
Very serious problem	1.7%	3.4%	.0%	1.5%	3.0%	.0%	1.9%	3.8%	.0%
Don't know	7.1%	5.3%	8.9%	6.0%	5.0%	6.9%	8.2%	5.7%	10.8%
Number of surveys	409	206	203	201	100	101	208	106	102

Based on your experience today, how much of a problem is each of the following on this lake/river?  
Presence of zebra mussels

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Problem type									
Not a problem	78.8%	70.9%	86.9%	78.4%	67.0%	89.9%	79.1%	74.5%	84.0%
Slight problem	2.5%	2.4%	2.5%	4.0%	5.0%	3.0%	1.0%	.0%	2.0%
Moderate problem	2.7%	5.3%	.0%	3.5%	7.0%	.0%	1.9%	3.8%	.0%
Serious problem	2.5%	3.9%	1.0%	2.0%	4.0%	.0%	2.9%	3.8%	2.0%
Don't know	13.6%	17.5%	9.5%	12.1%	17.0%	7.1%	15.0%	17.9%	12.0%
Number of surveys	405	206	199	199	100	99	206	106	100

Overall, how satisfied or dissatisfied were you with your boating experience on this trip?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Rating									
Very satisfied	28.4%	32.5%	24.1%	27.9%	29.0%	26.7%	28.8%	35.8%	21.6%
Satisfied	67.7%	63.6%	71.9%	66.7%	67.0%	66.3%	68.8%	60.4%	77.5%
Dissatisfied	2.0%	3.9%	.0%	2.0%	4.0%	.0%	1.9%	3.8%	.0%
Don't know	2.0%	.0%	3.9%	3.5%	.0%	6.9%	.5%	.0%	1.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Would you come back to this lake if you knew there were going to be about the same number of boats?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	95.1%	96.6%	93.6%	94.5%	99.0%	90.1%	95.7%	94.3%	97.1%
No	1.7%	1.5%	2.0%	1.5%	.0%	3.0%	1.9%	2.8%	1.0%
Don't know	3.2%	1.9%	4.4%	4.0%	1.0%	6.9%	2.4%	2.8%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

While you were on the lake, did you see an enforcement officer?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	35.5%	19.4%	51.7%	33.8%	13.0%	54.5%	37.0%	25.5%	49.0%
No	64.3%	80.6%	47.8%	66.2%	87.0%	45.5%	62.5%	74.5%	50.0%
Don't know	.2%	.0%	.5%	.0%	.0%	.0%	.5%	.0%	1.0%
Number of surveys	409	206	203	201	100	101	208	106	102

Were you checked by an enforcement officer?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	6.4%	6.3%	6.4%	7.0%	8.0%	5.9%	5.8%	4.7%	6.9%
No	93.6%	93.7%	93.6%	93.0%	92.0%	94.1%	94.2%	95.3%	93.1%
Number of surveys	409	206	203	201	100	101	208	106	102

Should all boat operators (powered & unpowered boats) be required to complete a boating safety course?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	53.1%	41.3%	65.0%	65.2%	47.0%	83.2%	41.3%	35.8%	47.1%
No	36.2%	44.7%	27.6%	24.9%	36.0%	13.9%	47.1%	52.8%	41.2%
Don't know	10.8%	14.1%	7.4%	10.0%	17.0%	3.0%	11.5%	11.3%	11.8%
Number of surveys	409	206	203	201	100	101	208	106	102

Have you ever used this access before?

Response	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Yes	85.0%	85.0%	83.0%	83.0%	86.8%	86.8%
No	15.0%	15.0%	17.0%	17.0%	13.2%	13.2%
Number of surveys	206	206	100	100	106	106

Have you ever tried to use a free public access on this lake/river but could not find legal parking?

Response	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Yes	54.9%	54.9%	62.0%	62.0%	48.1%	48.1%
No	45.1%	45.1%	38.0%	38.0%	51.9%	51.9%
Number of surveys	204	204	100	100	104	104

How many times did that happen in the past 12 months?

Timess	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Mean	2.6	2.6	2.9	2.9	2.2	2.2
Median	2.0	2.0	2.0	2.0	2.0	2.0
Minimum	1.0	1.0	1.0	1.0	1.0	1.0
Maximum	8.0	8.0	8.0	8.0	6.0	6.0
Number of surveys	105	105	55	55	50	50

How many times did that happen in the past 12 months?

Times	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
1	31.4%	31.4%	27.3%	27.3%	36.0%	36.0%
2	27.6%	27.6%	23.6%	23.6%	32.0%	32.0%
3	17.1%	17.1%	20.0%	20.0%	14.0%	14.0%
4	12.4%	12.4%	10.9%	10.9%	14.0%	14.0%
5	1.9%	1.9%	3.6%	3.6%	.0%	.0%
6+	9.5%	9.5%	14.5%	14.5%	4.0%	4.0%
Number of surveys	105	105	55	55	50	50

What did you do when you couldn't find legal parking?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Action						
Park illegally	9.8%	9.8%	12.9%	12.9%	6.0%	6.0%
Used another access	20.5%	20.5%	24.2%	24.2%	16.0%	16.0%
Used another lake	25.0%	25.0%	24.2%	24.2%	26.0%	26.0%
Didn't boat	24.1%	24.1%	19.4%	19.4%	30.0%	30.0%
Other	20.5%	20.5%	19.4%	19.4%	22.0%	22.0%
Number of surveys	112	112	62	62	50	50

How would you rate this access for launching and landing a boat?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Rating						
Excellent	22.3%	22.3%	25.0%	25.0%	19.8%	19.8%
Good	68.9%	68.9%	64.0%	64.0%	73.6%	73.6%
Poor	7.8%	7.8%	10.0%	10.0%	5.7%	5.7%
Very poor	.5%	.5%	1.0%	1.0%	.0%	.0%
Don't know	.5%	.5%	.0%	.0%	.9%	.9%
Number of surveys	206	206	100	100	106	106

Did you have any particular problems using this access today?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Response						
Yes	31.2%	31.2%	34.7%	34.7%	27.7%	27.7%
No	68.8%	68.8%	65.3%	65.3%	72.3%	72.3%
Number of surveys	199	199	98	98	101	101

What was the problem?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Problem						
Not enough parking	59.7%	59.7%	58.8%	58.8%	60.7%	60.7%
No room ramp: land	27.4%	27.4%	44.1%	44.1%	7.1%	7.1%
Water too shallow	.0%	.0%	.0%	.0%	.0%	.0%
No room ramp: water	17.7%	17.7%	11.8%	11.8%	25.0%	25.0%
No dock	17.7%	17.7%	14.7%	14.7%	21.4%	21.4%
Ramp blocked by cars	32.3%	32.3%	29.4%	29.4%	35.7%	35.7%
Inadequate signs	4.8%	4.8%	8.8%	8.8%	.0%	.0%
Road access safety	12.9%	12.9%	20.6%	20.6%	3.6%	3.6%
Ramp not maintained	33.9%	33.9%	35.3%	35.3%	32.1%	32.1%
Too few launch lanes	19.4%	19.4%	20.6%	20.6%	17.9%	17.9%
Other	22.6%	22.6%	26.5%	26.5%	17.9%	17.9%
Number of surveys	62	62	34	34	28	28

Which of the following improvements do you feel are needed at this launch site?

Figures are: Column percent	All days		Weekends		Weekdays	
	Total	Public access	Total	Public access	Total	Public access
Improvements						
Directional signs	3.6%	3.6%	2.8%	2.8%	4.5%	4.5%
Trash pickup	31.4%	31.4%	31.0%	31.0%	31.8%	31.8%
Information signs	2.9%	2.9%	1.4%	1.4%	4.5%	4.5%
Toilets	11.7%	11.7%	12.7%	12.7%	10.6%	10.6%
Dock	19.0%	19.0%	18.3%	18.3%	19.7%	19.7%
Toilet maintenance	21.2%	21.2%	22.5%	22.5%	19.7%	19.7%
Better lighting	2.9%	2.9%	2.8%	2.8%	3.0%	3.0%
More launch lanes	17.5%	17.5%	21.1%	21.1%	13.6%	13.6%
Beacon light	2.9%	2.9%	2.8%	2.8%	3.0%	3.0%
Better enforcement	20.4%	20.4%	19.7%	19.7%	21.2%	21.2%
Launch assistant	6.6%	6.6%	5.6%	5.6%	7.6%	7.6%
Trash containers	35.0%	35.0%	29.6%	29.6%	40.9%	40.9%
Other	37.2%	37.2%	46.5%	46.5%	27.3%	27.3%
Number of surveys	137	137	71	71	66	66

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Billboards

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Very effective	8.1%	14.1%	2.0%	9.0%	18.0%	.0%	7.2%	10.4%	3.9%
Moderately effective	22.7%	30.6%	14.8%	20.9%	28.0%	13.9%	24.5%	33.0%	15.7%
Slightly effective	32.3%	31.1%	33.5%	28.4%	31.0%	25.7%	36.1%	31.1%	41.2%
Not effective	26.2%	19.9%	32.5%	32.3%	20.0%	44.6%	20.2%	19.8%	20.6%
Don't know	10.8%	4.4%	17.2%	9.5%	3.0%	15.8%	12.0%	5.7%	18.6%
Number of surveys	409	206	203	201	100	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Radio coverage/messages

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Very effective	6.4%	8.3%	4.4%	7.0%	13.1%	1.0%	5.8%	3.8%	7.8%
Moderately effective	32.4%	36.6%	28.1%	26.5%	32.3%	20.8%	38.0%	40.6%	35.3%
Slightly effective	28.7%	34.6%	22.7%	28.5%	35.4%	21.8%	28.8%	34.0%	23.5%
Not effective	23.8%	18.0%	29.6%	29.5%	18.2%	40.6%	18.3%	17.9%	18.6%
Don't know	8.8%	2.4%	15.3%	8.5%	1.0%	15.8%	9.1%	3.8%	14.7%
Number of surveys	408	205	203	200	99	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
TV coverage/messages

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Very effective	8.8%	12.2%	5.4%	7.5%	15.2%	.0%	10.1%	9.4%	10.8%
Moderately effective	30.9%	40.5%	21.2%	29.0%	41.4%	16.8%	32.7%	39.6%	25.5%
Slightly effective	26.0%	22.0%	30.0%	23.5%	19.2%	27.7%	28.4%	24.5%	32.4%
Not effective	24.3%	19.0%	29.6%	30.0%	19.2%	40.6%	18.8%	18.9%	18.6%
Don't know	10.0%	6.3%	13.8%	10.0%	5.1%	14.9%	10.1%	7.5%	12.7%
Number of surveys	408	205	203	200	99	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Brochures and fact sheets handed out to boaters and anglers

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Very effective	14.0%	15.6%	12.3%	14.4%	16.0%	12.9%	13.5%	15.2%	11.8%
Moderately effective	35.8%	42.0%	29.6%	35.3%	39.0%	31.7%	36.2%	44.8%	27.5%
Slightly effective	19.1%	23.4%	14.8%	18.4%	24.0%	12.9%	19.8%	22.9%	16.7%
Not effective	20.3%	15.1%	25.6%	21.4%	17.0%	25.7%	19.3%	13.3%	25.5%
Don't know	10.8%	3.9%	17.7%	10.4%	4.0%	16.8%	11.1%	3.8%	18.6%
Number of surveys	408	205	203	201	100	101	207	105	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Laws that make it illegal to transport exotic species

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Very effective	28.1%	37.9%	18.2%	28.4%	37.0%	19.8%	27.9%	38.7%	16.7%
Moderately effective	24.7%	26.2%	23.2%	20.9%	23.0%	18.8%	28.4%	29.2%	27.5%
Slightly effective	14.7%	19.4%	9.9%	17.4%	23.0%	11.9%	12.0%	16.0%	7.8%
Not effective	16.9%	12.1%	21.7%	21.9%	14.0%	29.7%	12.0%	10.4%	13.7%
Don't know	15.6%	4.4%	27.1%	11.4%	3.0%	19.8%	19.7%	5.7%	34.3%
Number of surveys	409	206	203	201	100	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Road checks to enforce the laws

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Very effective	28.6%	34.5%	22.7%	26.9%	35.0%	18.8%	30.3%	34.0%	26.5%
Moderately effective	25.4%	31.6%	19.2%	23.4%	28.0%	18.8%	27.4%	34.9%	19.6%
Slightly effective	10.0%	13.1%	6.9%	10.9%	12.0%	9.9%	9.1%	14.2%	3.9%
Not effective	19.8%	15.5%	24.1%	26.9%	21.0%	32.7%	13.0%	10.4%	15.7%
Don't know	16.1%	5.3%	27.1%	11.9%	4.0%	19.8%	20.2%	6.6%	34.3%
Number of surveys	409	206	203	201	100	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Signs at boat landings

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private
Action									
Very effective	26.5%	25.5%	27.6%	27.1%	26.5%	27.7%	26.0%	24.5%	27.5%
Moderately effective	37.8%	50.5%	25.1%	35.7%	52.0%	19.8%	39.9%	49.1%	30.4%
Slightly effective	18.2%	14.7%	21.7%	17.1%	14.3%	19.8%	19.2%	15.1%	23.5%
Not effective	11.3%	7.8%	14.8%	14.6%	7.1%	21.8%	8.2%	8.5%	7.8%
Don't know	6.1%	1.5%	10.8%	5.5%	.0%	10.9%	6.7%	2.8%	10.8%
Number of surveys	407	204	203	199	98	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Inspection-education programs at boat launches

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private
Action									
Very effective	11.2%	18.9%	3.4%	10.9%	19.0%	3.0%	11.5%	18.9%	3.9%
Moderately effective	29.6%	33.0%	26.1%	28.9%	32.0%	25.7%	30.3%	34.0%	26.5%
Slightly effective	21.3%	24.8%	17.7%	21.4%	25.0%	17.8%	21.2%	24.5%	17.6%
Not effective	22.5%	15.0%	30.0%	27.9%	19.0%	36.6%	17.3%	11.3%	23.5%
Don't know	15.4%	8.3%	22.7%	10.9%	5.0%	16.8%	19.7%	11.3%	28.4%
Number of surveys	409	206	203	201	100	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Articles in newsletters and magazines

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private
Action									
Very effective	4.4%	5.8%	3.0%	4.5%	6.0%	3.0%	4.3%	5.7%	2.9%
Moderately effective	24.4%	32.0%	16.7%	25.4%	32.0%	18.8%	23.6%	32.1%	14.7%
Slightly effective	17.4%	24.3%	10.3%	17.4%	25.0%	9.9%	17.3%	23.6%	10.8%
Not effective	34.7%	30.6%	38.9%	37.8%	31.0%	44.6%	31.7%	30.2%	33.3%
Don't know	19.1%	7.3%	31.0%	14.9%	6.0%	23.8%	23.1%	8.5%	38.2%
Number of surveys	409	206	203	201	100	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Information included in fishing and boating regulations and pamphlets

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Very effective	15.9%	17.5%	14.3%	16.9%	16.0%	17.8%	14.9%	18.9%	10.8%
Moderately effective	31.3%	39.3%	23.2%	31.3%	39.0%	23.8%	31.3%	39.6%	22.5%
Slightly effective	20.3%	21.4%	19.2%	16.9%	21.0%	12.9%	23.6%	21.7%	25.5%
Not effective	20.5%	17.5%	23.6%	23.9%	20.0%	27.7%	17.3%	15.1%	19.6%
Don't know	12.0%	4.4%	19.7%	10.9%	4.0%	17.8%	13.0%	4.7%	21.6%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
Conduct visual inspection of boats and equipment

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Almost always	75.3%	85.9%	64.5%	79.6%	90.0%	69.3%	71.2%	82.1%	59.8%
Sometimes	8.6%	10.2%	6.9%	5.0%	6.0%	4.0%	12.0%	14.2%	9.8%
Doesn't apply	14.9%	3.9%	26.1%	13.9%	4.0%	23.8%	15.9%	3.8%	28.4%
Don't know	1.2%	.0%	2.5%	1.5%	.0%	3.0%	1.0%	.0%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
Clean vegetation or mussels from boat and equipment

Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Almost always	72.6%	84.0%	61.1%	76.1%	87.0%	65.3%	69.2%	81.1%	56.9%
Sometimes	5.6%	7.3%	3.9%	3.5%	6.0%	1.0%	7.7%	8.5%	6.9%
Doesn't apply	18.3%	4.4%	32.5%	17.4%	4.0%	30.7%	19.2%	4.7%	34.3%
Don't know	3.4%	4.4%	2.5%	3.0%	3.0%	3.0%	3.8%	5.7%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

How effective would each of the following be in getting you to take steps to prevent future spread of exotic species, such as Eurasian watermilfoil and zebra mussels?  
Information included in fishing and boating regulations and pamphlets

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Very effective	15.9%	17.5%	14.3%	16.9%	16.0%	17.8%	14.9%	18.9%	10.8%
Moderately effective	31.3%	39.3%	23.2%	31.3%	39.0%	23.8%	31.3%	39.6%	22.5%
Slightly effective	20.3%	21.4%	19.2%	16.9%	21.0%	12.9%	23.6%	21.7%	25.5%
Not effective	20.5%	17.5%	23.6%	23.9%	20.0%	27.7%	17.3%	15.1%	19.6%
Don't know	12.0%	4.4%	19.7%	10.9%	4.0%	17.8%	13.0%	4.7%	21.6%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
Conduct visual inspection of boats and equipment

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Almost always	75.3%	85.9%	64.5%	79.6%	90.0%	69.3%	71.2%	82.1%	59.8%
Sometimes	8.6%	10.2%	6.9%	5.0%	6.0%	4.0%	12.0%	14.2%	9.8%
Doesn't apply	14.9%	3.9%	26.1%	13.9%	4.0%	23.8%	15.9%	3.8%	28.4%
Don't know	1.2%	.0%	2.5%	1.5%	.0%	3.0%	1.0%	.0%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
Clean vegetation or mussels from boat and equipment

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Almost always	72.6%	84.0%	61.1%	76.1%	87.0%	65.3%	69.2%	81.1%	56.9%
Sometimes	5.6%	7.3%	3.9%	3.5%	6.0%	1.0%	7.7%	8.5%	6.9%
Doesn't apply	18.3%	4.4%	32.5%	17.4%	4.0%	30.7%	19.2%	4.7%	34.3%
Don't know	3.4%	4.4%	2.5%	3.0%	3.0%	3.0%	3.8%	5.7%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
 Drain water from boats, including live wells, bilge, and bait containers before going to another lake or river

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Almost always	56.5%	68.0%	44.8%	58.7%	67.0%	50.5%	54.3%	68.9%	39.2%
Sometimes	13.2%	19.9%	6.4%	10.0%	20.0%	.0%	16.3%	19.8%	12.7%
Never	5.6%	3.9%	7.4%	7.0%	4.0%	9.9%	4.3%	3.8%	4.9%
Doesn't apply	21.5%	6.8%	36.5%	21.9%	7.0%	36.6%	21.2%	6.6%	36.3%
Don't know	3.2%	1.5%	4.9%	2.5%	2.0%	3.0%	3.8%	.9%	6.9%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
 Dispose of leftover bait minnows on shore

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Almost always	25.7%	29.6%	21.7%	26.9%	34.0%	19.8%	24.5%	25.5%	23.5%
Sometimes	18.6%	24.3%	12.8%	12.9%	19.0%	6.9%	24.0%	29.2%	18.6%
Never	19.3%	29.1%	9.4%	19.4%	30.0%	8.9%	19.2%	28.3%	9.8%
Doesn't apply	34.0%	15.0%	53.2%	38.3%	15.0%	61.4%	29.8%	15.1%	45.1%
Don't know	2.4%	1.9%	3.0%	2.5%	2.0%	3.0%	2.4%	1.9%	2.9%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
 Flush motor's cooling system with clean water

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Almost always	12.2%	7.8%	16.7%	16.4%	8.0%	24.8%	8.2%	7.5%	8.8%
Sometimes	9.0%	11.2%	6.9%	10.0%	13.0%	6.9%	8.2%	9.4%	6.9%
Never	26.9%	37.4%	16.3%	25.4%	40.0%	10.9%	28.4%	34.9%	21.6%
Doesn't apply	46.5%	36.4%	56.7%	43.8%	33.0%	54.5%	49.0%	39.6%	58.8%
Don't know	5.4%	7.3%	3.4%	4.5%	6.0%	3.0%	6.3%	8.5%	3.9%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
Before launching in a different waterbody, do you allow boats to dry for 5 days?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Almost always	16.4%	20.4%	12.3%	20.4%	24.0%	16.8%	12.5%	17.0%	7.8%
Sometimes	37.2%	55.8%	18.2%	27.9%	51.0%	5.0%	46.2%	60.4%	31.4%
Never	18.1%	18.4%	17.7%	21.9%	21.0%	22.8%	14.4%	16.0%	12.7%
Doesn't apply	26.9%	5.3%	48.8%	28.4%	4.0%	52.5%	25.5%	6.6%	45.1%
Don't know	1.5%	.0%	3.0%	1.5%	.0%	3.0%	1.4%	.0%	2.9%
Number of surveys	409	206	203	201	100	101	208	106	102

After removing boats from a lake or stream, how often do you do any of the following?  
Before launching in a different waterbody, do you rinse boats with hot or high pressure water?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Action									
Almost always	22.2%	25.2%	19.2%	25.9%	25.0%	26.7%	18.8%	25.5%	11.8%
Sometimes	24.0%	37.4%	10.3%	21.9%	38.0%	5.9%	26.0%	36.8%	14.7%
Never	25.7%	32.0%	19.2%	22.4%	33.0%	11.9%	28.8%	31.1%	26.5%
Doesn't apply	26.7%	4.9%	48.8%	28.4%	4.0%	52.5%	25.0%	5.7%	45.1%
Don't know	1.5%	.5%	2.5%	1.5%	.0%	3.0%	1.4%	.9%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

What type of radio station do you primarily listen to?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Station type									
Classical	5.2%	3.9%	6.4%	7.0%	5.0%	8.9%	3.4%	2.9%	3.9%
Country	23.1%	31.9%	14.3%	22.9%	35.0%	10.9%	23.3%	28.8%	17.6%
Easy listening	16.0%	11.8%	20.2%	19.9%	11.0%	28.7%	12.1%	12.5%	11.8%
Jazz	8.6%	10.8%	6.4%	8.5%	8.0%	8.9%	8.7%	13.5%	3.9%
Rock	19.2%	18.1%	20.2%	15.4%	18.0%	12.9%	22.8%	18.3%	27.5%
Talk	20.9%	16.2%	25.6%	19.4%	14.0%	24.8%	22.3%	18.3%	26.5%
Sports	5.7%	6.4%	4.9%	5.5%	9.0%	2.0%	5.8%	3.8%	7.8%
Other	1.5%	1.0%	2.0%	1.5%	.0%	3.0%	1.5%	1.9%	1.0%
Number of surveys	407	204	203	201	100	101	206	104	102

Do you have a home computer connected to an on-line service or the internet?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	44.0%	43.6%	44.3%	39.2%	40.8%	37.6%	48.6%	46.2%	51.0%
No	48.2%	52.9%	43.3%	51.3%	56.1%	46.5%	45.2%	50.0%	40.2%
Don't know	7.9%	3.4%	12.3%	9.5%	3.1%	15.8%	6.3%	3.8%	8.8%
Number of surveys	407	204	203	199	98	101	208	106	102

Do you have a home computer with a CD-ROM drive?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Response									
Yes	50.9%	43.6%	58.1%	50.8%	49.0%	52.5%	51.0%	38.7%	63.7%
No	41.8%	52.5%	31.0%	40.7%	46.9%	34.7%	42.8%	57.5%	27.5%
Don't know	7.4%	3.9%	10.8%	8.5%	4.1%	12.9%	6.3%	3.8%	8.8%
Number of surveys	407	204	203	199	98	101	208	106	102

Which of the beverages on the white card did you have with you on the boat today?

Figures are: Column percent	All days			Weekends			Weekdays		
	Total	Public access	Marina/Private	Total	Public access	Marina/Private	Total	Public access	Marina/Private
Drink									
Soft drinks	71.7%	65.0%	78.3%	73.6%	60.0%	87.1%	69.8%	69.9%	69.6%
Coffee/tea/water	50.0%	26.6%	73.4%	50.7%	24.0%	77.2%	49.3%	29.1%	69.6%
Other nonalcoholic	22.2%	18.2%	26.1%	25.4%	16.0%	34.7%	19.0%	20.4%	17.6%
Beer	42.9%	31.5%	54.2%	47.8%	33.0%	62.4%	38.0%	30.1%	46.1%
Wine	21.4%	7.9%	35.0%	22.9%	7.0%	38.6%	20.0%	8.7%	31.4%
Other alcoholic	13.8%	4.4%	23.2%	17.9%	5.0%	30.7%	9.8%	3.9%	15.7%
None	10.1%	17.7%	2.5%	11.9%	21.0%	3.0%	8.3%	14.6%	2.0%
Refused to answer	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
Don't know	1.0%	.0%	2.0%	.5%	.0%	1.0%	1.5%	.0%	2.9%
Number of surveys	406	203	203	201	100	101	205	103	102

Which category on the blue card best describes your total household income before taxes last year?

Figures are: Column percent Action	All days			Weekends			Weekdays		
	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private	Total	Public access	Marina/ Private
\$20,000 - \$29,999	.7%	.5%	1.0%	1.0%	1.0%	1.0%	.5%	.0%	1.0%
\$30,000 - \$39,999	2.9%	3.4%	2.5%	2.0%	2.0%	2.0%	3.8%	4.7%	2.9%
\$40,000 - \$49,999	10.0%	11.7%	8.4%	10.0%	12.0%	7.9%	10.1%	11.3%	8.8%
\$50,000 - \$74,999	19.1%	19.9%	18.2%	18.9%	23.0%	14.9%	19.2%	17.0%	21.6%
\$75,000 - \$99,999	16.9%	17.0%	16.7%	14.9%	17.0%	12.9%	18.8%	17.0%	20.6%
\$100,000 +	10.5%	8.3%	12.8%	9.5%	7.0%	11.9%	11.5%	9.4%	13.7%
Refused	38.4%	38.3%	38.4%	42.8%	38.0%	47.5%	34.1%	38.7%	29.4%
Don't know	1.5%	1.0%	2.0%	1.0%	.0%	2.0%	1.9%	1.9%	2.0%
Number of surveys	409	206	203	201	100	101	208	106	102

