

## Small Scale Lake Management Planning Grant Project Summary

Project Number: SPL-194-09

Project Name: Surface Water User Survey Design

Local Sponsor: Dane County Office of Lakes & Watersheds

Billing Period 10/1/2008 through 6/30/2010

Prepared by: Marcia Hartwig

Contact Information: 608-224-3746, [hartwig@co.dane.wi.us](mailto:hartwig@co.dane.wi.us)

After first being awarded the grant, we had a difficult time finding an organization that would be able to complete the survey work. We had worked with the UW –Madison Environmental Resources Center in the past and were hoping they would take on this project with us, but learned that they already had too many projects and would not be available. Several other options were suggested, one of which was the UW –River Falls Survey Research Center (SRC). Sue Jones and I spoke with David Trechter and Shelly Hadley from the SRC and decided that the scope of our project would be a project they could take on.

Initially, Sue Jones and I were concerned about working with an organization long distance, but soon felt at ease after our first conference call. We shared what type of information we were interested in obtaining and why. Shelly and David educated us on pitfalls to avoid when asking the general public for information as well as different methods available to obtain what we sought. We shared that there was a survey completed in 1995 regarding water recreation on the Yahara chain of lakes, but that we wanted to expand that to all surface waters in Dane County to compare to the 1995 data. We also wanted to attempt to capture a fiscal snapshot that the water resources have on the local economy.

Enclosed is a copy of the survey implementation plan. Grant SPL-194-09 funded SRC's preparation of three draft survey instruments to gather water recreation data in Dane County, as well as plan and costs for implementing surveys and analyzing the data. Although titled, "...Proposal," this is the final plan we are using to gather data about water recreation in the Dane County area. The first of the three surveys was implemented this past fall under another grant. The second and third surveys will be implemented in 2011, if grants are awarded to fund those projects.

Also enclosed is a list of meetings that shows which county staff met with folks outside of the county. County staff salary/fringe are included with the exception of Sgt. Ritter, who works for a different department, so we don't have access to his salary/fringe. Included in my time are hours beyond meeting times preparing information for UW–River Falls' SRC.

**UW-River Falls, Survey Research Center  
Dane County Water Recreation Study Proposal  
January 20, 2010**

**REVISION to:**

- July 15, 2009 original cost proposal and
- September 21, 2009 revised proposal/outline of estimated costs

**Phase 1. Survey Development.** The original Survey Research Center (SRC) proposal of July 2009 to Dane County's Office of Lakes and Watersheds was based on developing two survey instruments for two populations (1) Dane County summer water recreational users (boating, fishing, etc.) and (2) other Dane County seasonal water recreation users (ice fishing, etc.). Phase 1 of the project was modified in fall 2009 to include the development of 3 survey instruments (forms of data collection described below). In addition, the SRC identified methods best suited to obtain statistically valid samples for each form of data collection and the costs associated with each phase of the survey project. The SRC also developed an intercept survey - batch cover sheet and intercept instructions.

**Phase 1: Costs.** Phase 1 has been completed and the \$3,000 charge will be billed soon.

**Phase 2. Data Collection.** The second phase of the project calls for 3 forms of data collection:

1. A short (one-page) survey mailed to a random sample of the general public (adult population) of Dane County. The intent of this survey is to get estimates of the number of Dane County water recreation users, how they use the waters (fishing, boating, and other forms of recreation on or by the waters), and a rough frequency of use.
2. An intercept survey conducted by volunteers/Dane County staff at selected locations around Dane County waters (boat launching areas, fishing venues, trails, and other sites on the waters). This short (one-page) survey will consist of general questions such as, zip code of water recreation user, water recreation activity(ies) in which they engage, etc. Results from the intercept survey could highlight non-local water recreation usage vs. local usage.

3. A two-page survey to be mailed to a random sample of known water recreation users (boaters, anglers, paddlers, etc.). This survey is intended to quantify the economic impact of the Dane County waters and get a handle on the purposes for which people use the waters. We expect that results of the other two portions of the study (general population and intercept surveys) will inform how best to proceed with this phase.

## Phase 2: Survey Implementation (Data Collection 1, 2, 3) Estimated Process and Costs

1. **Random Sample – General public of Dane County.** Based on U.S. Census Bureau, 2005-2007 data, there were 366,215 adults in Dane County. In order to achieve estimates with a confidence level of 95% and a confidence interval of 5%, 384 completed surveys would need to be returned. If the Survey Research Center were to do a survey of this type, the SRC would expect to send 1,152 surveys (3 times sample size needed) to a random sample of Dane County residents. For the purposes of this proposal, we have assumed a 1-page, 1 oz. questionnaire. The survey will not include open-ended questions. **A mailing list would be purchased for this particular survey.** The survey process would include an initial mailing, a post card reminder to non-respondents within 14 days of the first mailing, and a second mailing to non-respondents within 14 days of the post card. The SRC would collect, input/scan, and clean data from the returned questionnaires. Data gathered will be provided, in an Excel spreadsheet, with all personal identifying information removed. **The minimum cost for the general population survey will be \$3,500.** If Dane County decides to go beyond the minimum sample size needed, data from the additional surveys will be entered at a rate of \$4.50 per survey. *The advantage of processing surveys above the minimum sample size is that the confidence interval will be less than +/- 5%, which will mean that you can be more certain that respondents' answers truly reflect the opinions of your population. Processing additional surveys improves the accuracy of the results but does add to the overall expense.*
2. **Intercept Survey – Users/Visitors of Dane County Waters.** Assumption: Local volunteers/County staff would do the actual data collection. The intercept surveys will be a standard 1-page survey. The completed surveys will be mailed to the SRC when all surveys have been collected. The SRC will scan/input data from questionnaires. Data gathered will be

provided, in an Excel spreadsheet, with all personal identifying information removed. *As an example, although not a current figure or comprehensive in terms of other water activities, the annual swimming beach attendance at City of Madison swimming beaches for 1990 to 1995 was 102,000 people.* Using this number, a sample size of 383 completed intercept surveys would be required to achieve estimates with a confidence interval of 5% with 95% confidence. **The minimum cost for the intercept survey will be \$900.** If Dane County decides to go beyond the minimum sample size needed, data from the additional surveys will be entered at a rate of \$1.00 per survey. **Again, this survey option assumes volunteer/County staff implementation.** *For the cost of traveling to and from Madison, the SRC could arrange to do a training for volunteers or County staff (estimated cost, including gas, lodging, meals = \$500). This training would include sampling procedures, tips, etc. Alternatively, the SRC could also arrange a phone conference with County staff to discuss intercept procedures.*

3. **Random sample - Known Water Recreation Users (example: registered boaters) 28,000** boaters were registered in Dane County a few years ago. Using only this number, the SRC would expect to send 1,137 surveys (3 times the sample size needed of 379) to a random sample of registered Dane County boaters. *This number (28,000 registered boaters) was used for estimate purposes only. It is unknown how many people are going to be in this population until a firm definition of the target audience (boaters, anglers, paddlers, etc.) is determined. Estimates for the number in Dane County who participate in these uses might come from the random sample of the general Dane County population (Data Collection 1) or the Intercept surveys (Data Collection 2).* This survey will be a standard 2-page survey (plus cover letter), 1 oz. questionnaire. This survey will contain no more than 1-open ended question. **Mailing list(s) will be provided by the County for this particular survey.** The survey process would include an initial mailing, a post card reminder to non-respondents within 14 days of the first mailing, and a second mailing to non-respondents within 14 days of the post card. The SRC would collect, input/scan, and clean data from the returned questionnaires. Data gathered will be provided, in an Excel spreadsheet, with all personal identifying information removed. **Note: The total costs for the random sample of known recreation users will be determined by how many populations Dane County will want/need to gather data. The minimum cost**

for the water recreation survey will be \$4,000/per water recreation usage (i.e., anglers). If Dane County decides to go beyond the minimum sample size needed, data from the additional surveys will be entered at a rate of \$5.00 per survey.

### Phase 3: Analysis and Report

It is assumed that Dane County will request a full report (statistical analysis of the data, executive summary and full write-up of the results). The final report would summarize the individual survey results (general population, intercept, and water recreation users) and integrate these results into an overall picture of Dane County water recreation usage and economic impact. Due to one report being written for the three surveys, there is a cost savings in the reporting portion of the project. The cost for a full report will be \$3,000; as a comparison, three 'stand-alone', full reports currently cost \$4,200. We would expect to complete the analysis within 1 month after all data collection has been completed.

To summarize, the SRC expects the three surveys to cost approximately \$8,400 and the analysis/report to be an additional \$3,000 for a total cost of \$11,400. This estimate was written in January 2010. All amounts shown are derived from our best estimate of costs based on the project's dimensions as we understand them. A revised cost proposal may be necessary due to possible changes in direct project expenses such as postage and printing.

Phase 2 and 3	Mail Out	Estimated Sample Size Needed	Costs
Data Collection 1: General Population	1,152	384	\$3,500
Data Collection 2: Intercept	-----	383	\$900
Data Collection 3: Water Recreation Users (per water rec population, i.e., anglers)	1,137	379	\$4,000
Analysis and Report			\$3,000
<b>TOTAL</b>			<b>\$11,400</b>
Entering Additional General Population Surveys (384+) = \$4.50 each, Entering Additional Intercept Surveys (383+) = \$1.00 each, Entering Additional Water Rec Users Surveys (379+) = \$5.00 each			

Once you have had a chance to review, please contact us to discuss any questions you may have.

Thank you,

Shelly Hadley, [michelle.hadley@uwrf.edu](mailto:michelle.hadley@uwrf.edu), 715/425-0701  
David Trechter, [david.d.trechter@uwrf.edu](mailto:david.d.trechter@uwrf.edu), 715/425-3129

# DRAFT - Data Collection #1 - Dane County Water Recreation General Population Survey

**\*\*Please return by DATE xx, 2010\*\***

Please fill the circle that most closely matches your response.

Like this: ● Not like this: (✓) (X) (∅)

**PLEASE ANSWER THE FOLLOWING QUESTIONS FOR DANE COUNTY WATER RECREATION ONLY.**

1. IN A TYPICAL YEAR, do you participate in any of the following activities <u>ON DANE COUNTY LAKES, RIVERS, OR STREAMS?</u>			2. IF YES, please mark which best describes the frequency with which you participate ANNUALLY in the activity <u>ON DANE COUNTY LAKES, RIVERS, OR STREAMS.</u>				
	YES	NO	1-2 times/yr	3-5 times/yr	6-10 times/yr	11-20 times/yr	Over 20 times/yr
a. Swimming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Fishing from boat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Fishing from shore/pier	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Rowing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Canoeing/Kayaking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Sailing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Water Skiing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Motor-boating (other than fishing or water skiing)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Jet Skiing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j. Water Fowl Hunting/Trapping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k. SCUBA Diving	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l. Ice Fishing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
m. Ice Boating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
n. Snowmobiling (on lake or river)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
o. Ice Skating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
p. Cross Country Skiing (on lake or river)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
q. Walking on lakes when frozen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
r. Kite Skiing/Sail Boarding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
s. Activities <u>near</u> Dane County waters (birding, biking, walking, etc.) please, specify your activity(ies): _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
t. Other activities, specify _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(OVER)

3. Zip Code \_\_\_\_\_

4. Gender                      Male                      Female  
                        

5. Age                                      18 – 24                      25 – 34                      35 – 44                      45 – 54                      55 – 64                      65+  
                                                                                                                

6. Level of education                      Less than High school                      High school diploma                      Some college/tech/trade school                      2-year college/tech/trade school degree                      4-year college degree                      Graduate/Professional degree  
                                                                                                                                      

7. Household Income Range                      Under \$25,000                      \$25,000-49,999                      \$50,000-\$74,999                      \$75,000-\$99,999                      \$100,000-\$199,999                      \$200,000+  
                                                                                                                                      

Thank you for completing the survey! Please return your survey by DATE: xx, 2010 to:  
Survey Research Center,  
University of Wisconsin-River Falls,  
124 RDI Bldg.,  
410 S. Third St.  
River Falls, WI 54022-5001

*This survey is available in alternative formats by contacting the Survey Research Center at 715-425-0701.*



## Dane County Water Recreation Intercept Surveys - Batch Cover Sheet and Instructions

Thank you for assisting with the Dane County Water Recreation study. You will be collecting surveys from individuals participating in recreational activities at Dane County rivers, lakes, and streams. These surveys will be forwarded to the Survey Research Center (SRC) at the University of Wisconsin – River Falls for tabulation.

**Location:** \_\_\_\_\_ **Date Surveyed:** \_\_\_\_/\_\_\_\_/2010  
(Dane County river, lake, or stream)

**Number of Surveys Collected:** \_\_\_\_\_ **Comments: (weather, etc.)** \_\_\_\_\_

### INTERCEPT INTERVIEWING INSTRUCTIONS

- One common strategy when conducting intercept surveys is to approach every third, every fifth, etc., person. This helps avoid any unintentional sampling bias.
  - We recommend using at least 2 interviewers to conduct the surveys. Each interviewer should have copies of the survey, a clipboard, and several black pens.
  - Interviewers should wear identification, such as a nametag.
  - Individuals should always be approached in a friendly and professional manner.
  - It is optimal for the interviewer to fill out the survey with the respondent. (i.e., no self-administering).
  - Respondents should not fill out a survey and bring it back. It is not an option for respondents to take the survey with them to complete and return it via mail at a later date.
  - Only one survey should be completed by a member of an immediate group. For example, if a couple is approached together, only one person should complete the survey for the couple.
  - The survey should be completed by adults 18 years of age or older.
  - The best time to solicit survey responses is typically by greeting people after their recreational activity. Interviewers should not survey individuals as they are participating in their recreational activity.
- Standard Introduction/request for interview: Hi, my name is \_\_\_\_\_. I am a volunteer. I'm conducting a short interview to study water-based recreation in Dane County. Do you have a couple of minutes to complete the survey? If the individual declines, thank them anyway.*
- Ideally, each person asked will agree to complete the survey. The reality, however, is that some people will refuse to participate. The best advice is to be friendly. Explain how the project is very important to Dane County and that the survey should not take more than two minutes to complete.
  - Upon completion of each survey, thank the respondent for participating.
  - At the conclusion of each intercept session, complete the Batch cover sheet and attach it to the applicable surveys. The surveys should be submitted to the Dane County Office of Lakes and Watersheds and/or SRC. [insert more information when available]
  - The SRC will be happy to help if you have any questions (715) 425-0701.

Date \_\_\_\_\_/\_\_\_\_\_/2010

Time \_\_\_\_\_AM/PM

Location \_\_\_\_\_(lake/river/stream

Day of the Week (circle) M TU W TH F SA SU

Launch Site/Boat Ramp \_\_\_\_\_

Park \_\_\_\_\_

### DRAFT - Data Collection #2- DANE COUNTY WATER RECREATION INTERCEPT SURVEY

1. PRIMARY Activity Mark (•) one only:

Swimming <input type="radio"/>	Fishing from Boat <input type="radio"/>	Fishing from shore/pier <input type="radio"/>	Rowing <input type="radio"/>	Canoeing/ Kayaking <input type="radio"/>
Sailing <input type="radio"/>	Water Skiing <input type="radio"/>	Motor-boating <i>(other than fishing and water skiing)</i> <input type="radio"/>	Jet Skiing <input type="radio"/>	Water Fowl Hunting/Trapping <input type="radio"/>
SCUBA Diving <input type="radio"/>	Ice Fishing <input type="radio"/>	Ice Boating <input type="radio"/>	Snowmobiling <i>(on lake or river)</i> <input type="radio"/>	Ice Skating <input type="radio"/>
Cross Country Skiing <i>(on lake or river)</i> <input type="radio"/>	Walking on lakes when frozen <input type="radio"/>	Kite Skiing/ Sail Boarding <input type="radio"/>	Activities near Dane County waters <i>specify activity:</i> _____ <input type="radio"/>	Other, specify _____ <input type="radio"/>

2. Including yourself, how many people are in your group today? \_\_\_\_\_

3. How many nights away from your primary residence will you spend in this area because of the activity described above?  
*i.e., nights you will be staying at a hotel, with friends, in vehicle, etc.*  
*If you will not spend any nights away from home, please write "0".* \_\_\_\_\_

4. Including today, in the past twelve months, how many times have you used rivers, lakes, or streams in Dane County for water-based recreation activities? \_\_\_\_\_

5. What is the MAIN reason you decided to choose this Dane County water resource for your activity today? Mark (•) one only

Proximity/ Location <input type="radio"/>	Quality of the Water Resource <i>(fishery, water quality, etc.)</i> <input type="radio"/>	Size of the Lake/River/ Stream <input type="radio"/>	Facilities <i>(parking, launch ramps, restrooms, etc.)</i> <input type="radio"/>	Nearby amenities <i>(restaurants, shopping, etc.)</i> <input type="radio"/>	Other, specify: _____ <input type="radio"/>
---	---	--	--	---	---

(OVER)

6. What is the zip code of your primary residence \_\_\_\_\_

7. Gender	Male <input type="radio"/>	Female <input type="radio"/>				
8. Age	18 – 24 <input type="radio"/>	25 – 34 <input type="radio"/>	35 – 44 <input type="radio"/>	45 – 54 <input type="radio"/>	55 – 64 <input type="radio"/>	65+ <input type="radio"/>
9. Level of education	Less than High school <input type="radio"/>	High school diploma <input type="radio"/>	Some college/tech/trade school <input type="radio"/>	2-year college/tech/trade school degree <input type="radio"/>	4-year college degree <input type="radio"/>	Graduate/Professional degree <input type="radio"/>
10. Household Income Range	Under \$25,000 <input type="radio"/>	\$25,000-\$49,999 <input type="radio"/>	\$50,000 – \$74,999 <input type="radio"/>	\$75,000 – \$99,999 <input type="radio"/>	\$100,000-\$199,999 <input type="radio"/>	\$200,000+ <input type="radio"/>

*That is the end of the survey – Thank you very much for your help!*

# DRAFT - Data Collection #3 - Dane County Water Recreation Users Survey

\*\*PROTOTYPE/FISHING\*\*

\*\*Please return by DATE xx, 2010\*\*

PLEASE ANSWER THE FOLLOWING QUESTIONS AS THEY PERTAIN TO DANE COUNTY WATER RECREATION ONLY.

1. In the past twelve months, have you used rivers, lakes, or streams in Dane County for fishing? Yes  No

→ If no, please return the survey in the enclosed envelope. Thank you.

2. For each of the following activities, indicate the extent, time, and location of your participation on Dane County waters.

Activity	Total # of times you engage in this activity annually on Dane County waters. If you do not participate in the activity on Dane County waters, please write "O" in this column.	Name of Dane County body of water you use most for this activity
a. Fishing from boat		
b. Fishing from shore/pier		
c. Ice Fishing		

3. Please write in Column B how much money you spend on a typical Dane County recreational fishing trip for the expense categories listed in Column A. If you do not spend money in a particular category, please write "O" in Column B.

Next, write in Column C how much of the money that you spend for a typical recreational fishing trip in Dane County is spent in Dane County – an example is provided in the first row.

COLUMN A EXPENSE CATEGORIES	COLUMN B HOW MUCH MONEY DO YOU SPEND ON A TYPICAL RECREATIONAL FISHING TRIP IN DANE COUNTY? <small>PLEASE WRITE IN DOLLAR AMOUNT</small>	COLUMN C HOW MUCH OF THE MONEY SPENT ON A TYPICAL RECREATION FISHING TRIP IN DANE COUNTY (COLUMN B) IS SPENT IN DANE COUNTY? <small>PLEASE WRITE IN DOLLAR AMOUNT</small>
EXAMPLE: Auto related expenses	\$50	\$25
a. Auto related expenses (fuel, etc.)	\$	\$
b. Boat related expenses (fuel, rental, etc.)	\$	\$
c. Contest/tournament fee	\$	\$
d. Fishing supplies (bait, tackle, etc.)	\$	\$
e. Groceries (snacks, soda, beer, etc.)	\$	\$
f. Guiding services	\$	\$
g. Launch fees	\$	\$
h. Lodging	\$	\$
i. Restaurants/bars	\$	\$
j. Souvenirs, gifts, apparel	\$	\$
k. Other, specify:	\$	\$

4. Overall, please rate your recreational experiences on Dane County lakes, rivers, and streams. Very Good  Good  Fair  Poor  Very Poor

5a. Do you normally use a boat when participating in fishing activities in Dane County?

Yes

No => if No, GO TO Q6

5b. If yes to Question 5a, what type of boat do you normally use when participating in fishing activities in Dane County?

Open motorboat

Cabin motorboat

Auxiliary sail boat

Sail (only) boat

Rowboat

Canoe/Kayak

Other, specify \_\_\_\_\_

5c. Please write the length of the boat you normally use when participating in fishing activities in Dane County (in inches)

\_\_\_\_\_ "

5d. Please write in the motor size of the boat you normally use when participating in fishing activities in Dane County (in horsepower)

\_\_\_\_\_ HP

6. Please indicate how often you have experienced each of the following during your recreational experiences on Dane County water resources.

	Never	Rarely	Sometimes	Often	Always
a. Reckless motorboat operation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Reckless personal watercraft operation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Too many boats on the water at one time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Confrontations with shoreline property owners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Fluctuating water levels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Poor water quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Crowding at beaches and facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Poor regulatory enforcement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Poor fishery (type and size of fish)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j. Noise from boats/other lake users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k. Inadequate shore facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l. City noise (sirens, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
m. Poor fishing etiquette	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
n. Crowding at launch ramps and parking areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
o. Poor etiquette at launch ramps and parking areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
p. Other, specify _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Please provide any other comments you may have about Dane County water recreation.

DEMOGRAPHICS All responses are anonymous and will be reported in group form only.

8. Zip Code \_\_\_\_\_

9. Gender

	Male	Female
	<input type="radio"/>	<input type="radio"/>

10. Age

	18 – 24	25 – 34	35 – 44	45 – 54	55 – 64	65+
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. Education

	Less than High school	High school diploma	Some college/tech/trade school	2-year college/tech/trade school degree	4-year college degree	Graduate/Professional degree
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. Household Income Range

	Under \$25,000	\$25,000-\$49,999	\$50,000 – \$74,999	\$75,000 – \$99,999	\$100,000-\$199,999	\$200,000+
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Thank you for completing the survey!  
Please return your survey by Date xx, 2010 to:  
Survey Research Center, University of Wisconsin-River Falls  
124 RDI Building, 410 S. Third St. River Falls, WI 54022-5001  
This survey is available in alternative formats by contacting  
the Survey Research Center at [src@uwrf.edu](mailto:src@uwrf.edu) or 715-425-0701.

