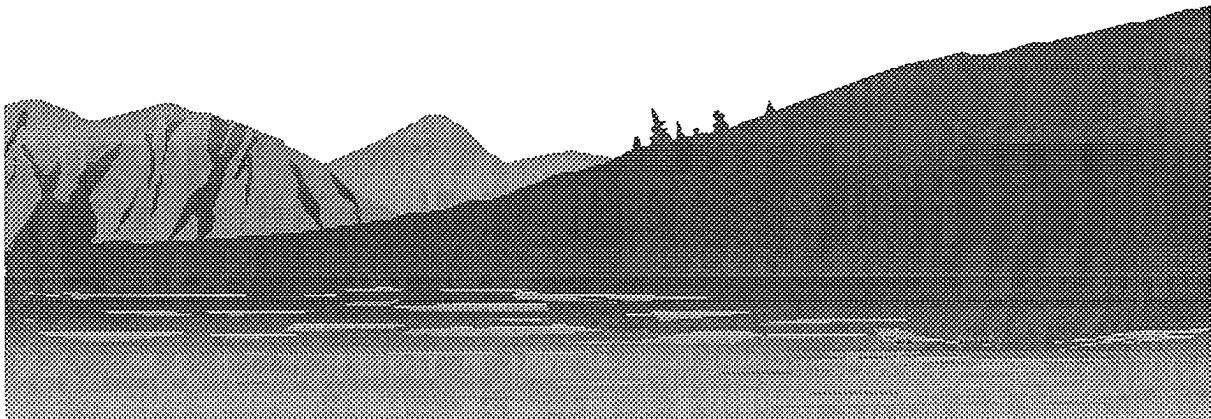
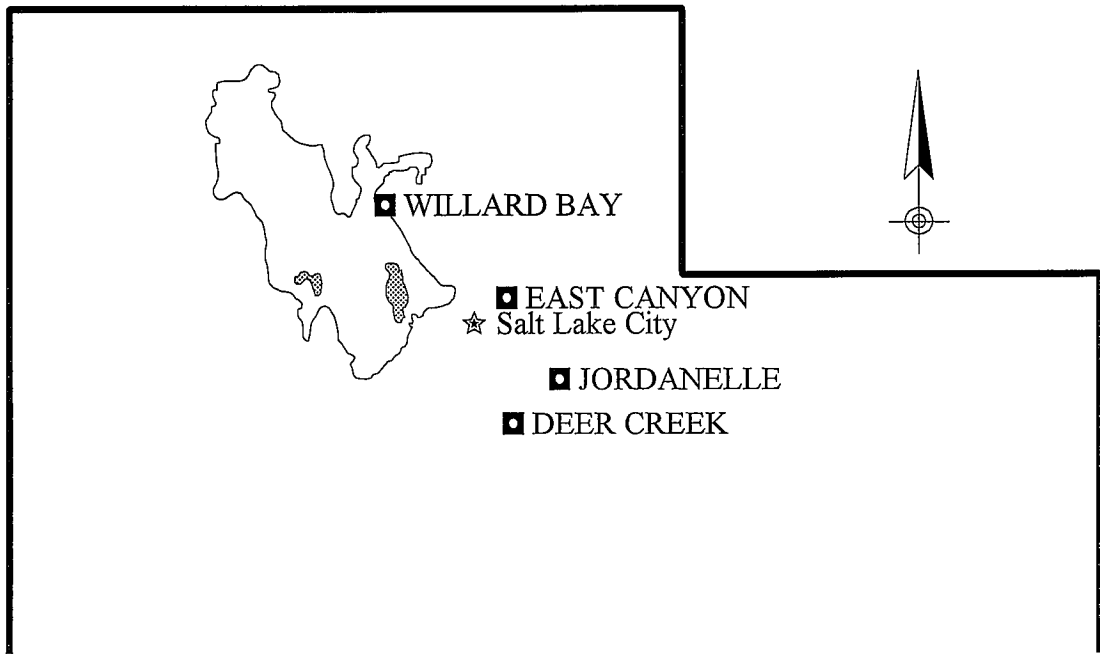


**A SUMMARY REPORT:
1999 UTAH STATE PARK
BOATER INTERCEPT SURVEY**



Institute of Outdoor Recreation and Tourism
Utah State University
Department of Forest Resources
Logan, Utah 84322-5215

Professional Report IORT-PR-2000-2



Study Reservoirs Locations

A SUMMARY REPORT: 1999 UTAH STATE PARK BOATER INTERCEPT SURVEY

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PREFACE

In an effort to better serve the public through improved management of water-based recreation areas, Utah Division of Parks and Recreation along with recreation researchers at Utah State University conducted a research survey of boaters at four Utah state park reservoirs. The reservoirs selected were Deer Creek, Jordanelle, Willard Bay, and East Canyon. The broad objectives of this research was to gain insights into visitor: demographic characteristics; lake use; use characteristics; boating satisfaction and conflicts; attitudes toward use limits and potential alternative destinations; and comments and recommendations regarding park management. The following report summarizes the results of that research. Further management suggestions and recommendations along with in-depth statistical analysis of the data is contained within a separate document.

The following report is divided into eight separate sections with supporting documentation in the appendices. The first section, Introduction/Overview, contains background information relevant to an understanding of the results presented thereafter. It describes study objectives along with geophysical characteristics of the study reservoirs. It also summarizes the Division's management objectives as described in the "State of Utah: Strategic Boating Plan."

The next section, Methods, describes the survey methods used to obtain the information necessary to conduct this research. The third section, Survey Response & Boater Characteristics, reports on the survey response rate along with the results from the demographic questions asked on the survey instrument. The next section, Lake Use Characteristics, contains results such as weekend vs. weekday use patterns, types of watercraft operated by the respondents, amount of daily motorboat fuel use, and the parks' parking lot capacity patterns.

In the fifth section, Visitor Use Characteristics, summary information is presented regarding group size, type of water-based recreational activities the respondents participated in, reasons for visiting that particular reservoir, and location of residences. Boating Satisfaction, Conflicts, & Crowding, the sixth section, summarizes survey questions designed to assess the degree of satisfaction with their recreational experiences. It also contains summary data as to whether the respondents feel there are too many boats on the water and where they would go

boating if they were unable to use the reservoir due to use limit restrictions.

The next section, Visitor Comments & Recommendations, summarizes the open ended comments the respondents offered after the survey was completed. The last section, Summary & Management Recommendations, presents some of the authors' interpretation of the results and recommendations for further research. Appendix A contains a copy of the survey instrument along with a calender showing the dates, locations, and time of day when the research was conducted. Appendix B supports the section on Visitor Use Characteristics in that it contains the frequencies of the respondents' cities of residence categorized by the reservoir where they were surveyed. Appendix C summarizes the open ended responses coding scheme and also contains a complete text of all the respondents' comments and management recommendations.

The authors wish to acknowledge the Utah Division of Parks and Recreation for providing the support and funding for this project. We would also like to thank the Institute of Outdoor Recreation and Tourism at Utah State University for providing support facilities and computers for data entry and analysis. Finally, we would also like to thank the Utah state park personnel and administration along with the social science research technicians at Utah State University whose dedication to collecting, recording, and presenting accurate and useful information made this report possible.

I. INTRODUCTION/OVERVIEW

The State Parks manages 45 parks in the state of Utah. Twenty-six of these parks can be characterized as providing water-based recreation activities. The popularity of water-recreation use has grown in the past few years, and along with it, management concern over issues associated with an increase in recreation activities. Some of the water-based activities that take place on State Park reservoirs consist of cruising in motorboats, fishing, sightseeing, picnicking on boats, waterskiing (which also includes tubing, wakeboarding, kneeboarding, scurfig, and riding an airchair), sailing, canoeing/kayaking, swimming, windsurfing, and riding on personal watercraft (PWC).

In an effort to better serve the public by improving the management of water-recreation areas, the Utah Division of Parks and Recreation asked recreation researchers at Utah State University (USU) to clarify the type and number of users, along with identifying the public's needs and values toward water-recreation use. USU recreation researchers along with State Park's boating and planning staff identified four reservoirs for this research: Deer Creek, Jordanelle, Willard Bay, and East Canyon. These four parks were chosen due to their close proximity to metropolitan areas, heavy boat traffic, and diversity of setting characteristics.

A research technician from USU's recreation program was hired for the 1999 summer season by State Parks to execute a boater intercept survey. The survey was conducted at seven different locations at the four parks. The seven areas were located on the main boat launches on the reservoir; two launch points at Deer Creek, Jordanelle, and Willard Bay and one launch point at East Canyon. The broad objective of this research was to obtain information about water recreation regarding visitor: 1) demographic characteristics; 2) lake use; 3) use characteristics; 4) boating satisfaction and conflicts; 5) attitudes toward use limits and potential alternative destinations; and 6) comments and recommendations regarding park management.

Characteristics of Study Areas

Deer Creek State Park. Deer Creek can be thought of as a “mountain” lake situated at an elevation of 5,400 feet. With a park area of 2,626 acres (and 2,965 surface-acre-feet of water) and located approximately 14 miles northeast of Provo and 48 miles southeast of Salt Lake City, Utah in the Heber Valley, Deer Creek has been a popular recreation area for many years. The reservoir has three main access points managed by the Utah Division of Parks and Recreation: Main State Park area, Island Resort, and Charleston. Surveys were conducted at the Main State Park area (referred to in the report as the “Main” launch) and the Island Resort. The Main State Park area has a developed campground with 56 recreational vehicle sites (33 with hook-ups), 12 tent sites, restrooms and showers, covered group pavilion, day-use facilities, fish cleaning station, drinking water, three vault toilets, sewage disposal station, dry boat storage, boat docks, and two boat ramps. The Island Resort area mainly offers day-use facilities including two rest rooms, two vault toilets, a boat ramp, dry boat storage, drinking water, and a concessionaire providing boat rentals, fast food, restaurant, and convenience store. A group use area also offers camping facilities, a vault toilet, two covered group pavilions, and drinking water. Charleston provides day-use facilities and a vault toilet along with a boat ramp. The park is open year-round, offering ice fishing opportunities in the winter. Deer Creek State Park is currently in the process of some major changes including the addition of picnic areas and designated campsites.

Jordanelle State Park. Jordanelle is a fairly new State Park having opened on June 29, 1995. Jordanelle State Park consists of 4,000 acres while the reservoir contains 3,068 surface-acre-feet of water. The park is located approximately 8 miles east of Park City, Utah and 35 miles east of Salt Lake City at an elevation of 6,200 feet in the Wasatch Mountains. Jordanelle has two designated recreation sites; Rock Cliff and Hailstone. Rock Cliff is situated on the northeastern side of the lake next to the Provo River, the reservoir’s primary water source. Rock Cliff has been designed for users seeking low density camping and close-to-shore recreation activities. Developed facilities include a nature center with environmental education programs, 50 walk-in campsites, three rest rooms with showers, and boardwalks. The Hailstone area is located off a major thoroughfare, U.S. Highway 40, on the west side of the reservoir. Hailstone is

a popular site with three general camping areas that, in total, consist of 196 camping units. There are two boat ramps at Hailstone; one designated specifically for PWC use and the other for motorboat launching. Some of the unique features at Hailstone include hiking/biking trails, concessions, recreation equipment rentals, a restaurant/grill, marina slips with utility hookups, and a children's playground. Jordanelle State Park is open year-round offering ice fishing, cross-country skiing, dog sledding, and Klondike derbies in the winter.

Willard Bay State Park. Willard Bay State Park encompasses 9,900 acres (with 10,000 surface-acre-feet of water) and is located on the south end of Box Elder County. The State Park is at an elevation of 4,200 feet. Willard Bay is a popular location for warm water anglers fishing for crappie, walley, and channel catfish. This state park consists of two main areas, the South Marina and the North Marina. The North Marina is located 15 miles north of Ogden, Utah adjacent to Interstate 15. This area contains day-use and 61 camping sites and facilities. Some unique features of the North Marina are a large beach area along with boat and PWC rentals. The South Marina is located 8 miles north of Ogden. The launch area has a large parking lot and day use facilities. This section of the reservoir is not as developed as the north end and thus, boat traffic is usually comparatively light. The South Marina is open from April to November while the North Marina is open year-round providing ice fishing opportunities. Facility renovations for Willard Bay State Park are currently underway.

East Canyon State Park. East Canyon is accessed by a secondary road and is therefore the most difficult of the four reservoirs to access. It is a small mountain lake at an elevation of 5,700 ft. with 680 surface-acre-feet of water. This park is located off of the steep and winding Utah State Routes 65 and 66, approximately 30 miles east of Salt Lake City and 35 miles southeast of Ogden. Located close to the park is East Canyon Resort, a private resort that provides recreation activities along with condominiums, lodging, and camping for members. North of this resort is the south shore of the lake with public camping areas and close-to-shore recreation opportunities. The main area of use at the park is at its Main Marina. This marina area has a number of facilities some including 31 campsites, two group pavilions with electric power, concessions, a restaurant-grill, and water-recreation equipment rentals. One large boat ramp is located at the Main Marina along with a small parking area. The Big Rock area at the southwest

end of the park provides vault toilets and 28 campsites. Park management provides various safety and environmental education programs on weekends and holidays during the summer months. The park is open year-round and provides ice fishing in the winter season. East Canyon has more private and resort development than the other three lakes.

Management Objectives of Study Areas

The Utah Division of Parks and Recreation recently completed a statewide boating plan (State of Utah: Strategic Boating Plan, Utah Division of Parks and Recreation, Department of Natural Resources, State of Utah, April 2000.) (referred to hereafter as the “Strategic Plan”) designed to meet the needs of the current and future boating public. Although not specific to the four reservoirs of concern in this research, the Strategic Plan is intended as a guide to assist the Utah Division of Parks and Recreation Boating Program in meeting its legislative mandate as the boating authority for the state of Utah.

The Strategic Plan has identified “nine primary vision elements that will guide the direction and management of the Utah State Parks and Recreation Boating program and of boating in Utah. These elements focus on ensuring: 1) quality boating facilities; 2) improved educational opportunities; 3) enforcement uniformity; 4) proper equipment and training for boating law enforcement officers; and 5) productive partnerships”. It also identifies the need for “researching and making recommendations for: 6) boating opportunities; 7) operator licensing; 8) capacity limits; and 9) appropriate and effective boat operation laws and rules”.

The Strategic Plan offers specific recommendations for addressing and/or achieving those vision elements. The ten broad issue areas along with examples of specific recommendations are:

- Public Safety and Education (e.g., develop program to license watercraft operators through a proctored test, develop educational programs, and ensure consistent enforcement of boating laws and rules);
- Boating Facilities (e.g., complete inventory of existing facilities, determine renovation needs, and develop consistent facility standards);
- Management Alternatives and Boating Capacity Limits (e.g., determine existing situational concerns, consider and implement diverse alternatives, and consider using

- capacity limits when other alternatives fail to achieve desired results);
- Agency Cooperation (e.g., have the Utah State Parks and Recreation Boating Program act as the lead agency toward “improving interagency communication, cooperation, and uniformity of information and governing laws and rules”);
 - Legislative Issues (e.g., improve agency/legislature relations and work toward legislative support of key boating issues);
 - Use of Personal Watercraft (e.g., increase both educational opportunities and requirements for PWC operators);
 - Funding (e.g., seek legislative support and funding, maximize funding through nontraditional sources, and seek increases for both registration fees and gas tax allotment);
 - Environmental Impacts (e.g., minimize environmental impacts through improved facility development and improve awareness of environmental impacts and protection strategies);
 - Economic Impacts (e.g., obtain and analyze state and local boating economic impact information, gain support and funding to provide additional boating facilities and opportunities, and promote economic benefits of the parks to local communities and businesses); and
 - Appropriate Spending of Boating Funds (e.g., improve accountability of spending and follow the itemized analysis and guidelines as directed by the authors of the Strategic Plan).

II. METHODS

To assess the user public's attitudes toward boating recreation on Utah's reservoirs, an intercept survey was developed and implemented during the 1999 summer boating season. The survey instrument was designed by Utah State University (USU) social scientists and Utah Parks and Recreation staff. The survey instrument was two pages long with 35 questions (Appendix A). The data obtained were analyzed using SPSS statistical software on computers at USU.

The survey research was conducted with a random sampling method. A roving interviewer administered the boater intercept survey at seven different boat launches at the four study parks: Deer Creek (2 launches), Jordanelle (2 launches), Willard (2 launches), and East Canyon (1 launch). The sampling period was June 28 to August 27, 1999 for a total of 9 sampling weeks and 48 sampling days. Each park was surveyed a total of 12 six-hour days using a rotating time schedule: a morning to afternoon (9 a.m. to 3 p.m.) for half of the days and afternoon to evening (2 p.m. to 8 p.m.) for the remaining half. For August, the afternoon to evening sampling period moved back one hour (1 p.m. to 7 p.m.) to accommodate the change in daylight boating hours. These time periods were evenly split between the launches at each reservoir during the six-hour day, with the exception of East Canyon which has only one launch. (See Appendix A for survey schedule.)

The survey was conducted in an interview questionnaire format. Any person operating a boat or personal watercraft and using the parks' launch facilities was asked to participate in the survey. Boaters were interviewed after they finished using the launch during take-out. After loading their boats on the trailers, the majority of the boaters would drive to the top of the ramp or into a nearby parking lot. As the boaters were finishing tying down their craft and stowing gear, they were approached by the interviewer who asked if they would participate in this study. By talking to the boaters in a staging area, the interviews were conducted without interfering with the ramp traffic flows. On less crowded days, all users taking out on the ramp were approached whereas on more crowded days, all users could not be contacted. One person on the boat was selected for the interview which was typically the boat's primary operator. If the boater drove away before they could be approached, the researcher indicated that the survey was refused and

noted that the boater “drove away.” If a survey was successfully completed, the researcher indicated that the survey was completed. In some cases boaters refused to complete the survey after partially answering some of the question. In these cases, the survey was noted as a “partial completion” in the general information box.

There were approximately 35 questions with a section on general use and user information (date, time of day, location, parking lot capacity, watercraft type, and gender). This general information section was completed by the interviewer with the exception of the respondent's age. In general, the questions assessed boaters' characteristics and attitudes toward reservoir management, other lake users, and boating regulations. The questions were developed to address the following: 1) demographic characteristics; 2) lake use; 3) visitor characteristics; 4) perceptions of boating satisfaction and conflicts; 5) attitudes toward use limits and alternative destinations; and 6) open-ended comments. The open-ended questions gave the respondents an opportunity to address personal ideas and concerns regarding reservoir management. (See Appendix A for copy of survey instrument.)

In the following sections, descriptive statistics are presented for all survey questions for each of the 4 study reservoirs. In some tables, a summary column is presented that totals the results for all study lakes; this should not be interpreted as representing all Utah State Park Lakes. It is presented for discussion purposes. For some variables, key bivariate analyses are presented in Section VIII.

III. SURVEY RESPONSE & BOATER CHARACTERISTICS

This section reports results related to visitor demographics including gender, age, location of residence (the city, state, and country they are from), and boat ownership, and interview response rate.

Interview results. A total of 1090 boaters were contacted through the survey. Each of the four reservoirs contributed nearly one-fourth of the total number of boaters contacted. Deer Creek accounted for 24.6%, Jordanelle for 26.0%, Willard Bay for 25.6%, and East Canyon for 23.7% of the total number surveyed (see Table III.1). Of the 1090 boaters contacted, 993 (91.1%) completed the survey, while 8 (0.7%) partially completed it, and 89 (8.2%) refused to be interviewed. The Jordanelle PWC ramp and East Canyon had the highest proportion of people refusing to be surveyed (13.5% and 12.4% respectively). These response rates indicate a representative sample of boaters were interviewed at all four reservoirs.

Table III.1: Sampling results.

<u>Reservoir</u> Ramp	Number of Contacts		Response Rate	
	Number (n)	Percentage	Number (n)	Percentage
<u>Deer Creek</u>	269	24.6%	254	94.4%
Island	103	9.4%	98	95.1%
Main	166	15.2%	156	94.0%
<u>Jordanelle</u>	283	26.0%	264	93.3%
Main	209	19.2%	200	95.7%
PWC	74	6.8%	64	86.5%
<u>Willard Bay</u>	280	25.6%	257	91.8%
North	140	12.8%	127	90.7%
South	140	12.8%	130	92.9%
<u>East Canyon</u>	258	23.7%	226	87.6%
Total	1090	100%	1001	91.8%

Gender. A large majority of respondents were male (83.8%) and relatively few females

(16.2%). The proportion of males to females was generally consistent across the seven different ramps. There were a few notable exceptions: the Deer Creek north ramp where 25% of the respondents were female, and the Jordanelle main and personal watercraft (PWC) ramps, as well as the Deer Creek south ramp, where only 13% of the respondents were female.

Age. Respondents were asked to give their age. In addition to the means, seven age group categories were created: 20 or younger; 21 to 30; 31 to 40; 41 to 50; 51 to 60; 61 to 70; and over 70. There was only one female respondent over the age of 61, while there were 73 male respondents over 61.

Boaters ranged in age from 14 to 79, with an average age of 40 (see Table III.2). The Jordanelle PWC ramp had the lowest average age of 35 years while the average at the Willard Bay south ramp was the highest (43). Weekend boaters average age (39) was a little lower than the weekday boaters (42). As shown on Table III.3, average age also varied according to the type of craft the respondents were using. The average PWC user was 34 years old, while the average traditional motorboat user was 40. Most boaters were between the ages of 21 and 50 (76.8%), with 57.3% between 31 and 50 years old years old.

Table III.2 shows the respondents' age group frequencies by the locations where they were surveyed. Focusing on Jordanelle Reservoir, the results suggest there is a large difference in the users' age between those using the Jordanelle PWC and main ramps. At the Jordanelle PWC ramp, 90.6% of those surveyed were fifty or younger and 68.7% were forty or younger, while at the Jordanelle main ramp 69.5% of respondents were fifty or younger with 51.0% of respondents within the group of forty or younger. In addition, only 9.4% of those surveyed at the Jordanelle PWC ramp were over the age of fifty-one while 20.5% at the Jordanelle main ramp were fifty-one or over.

Residency. All of the respondents were residents of the United States, and a large majority (97.2%) were Utah residents. Other states represented were Arkansas (0.1%), California (0.8%), Indiana (0.1%), Wyoming (0.1%), Florida (0.1%), Colorado (0.3%), Idaho (0.2%), Texas (0.4%), Washington D.C. (0.1%), Kentucky (0.1%), Arizona (0.2%), New York (0.1%), Nevada (0.1%), and Michigan (0.1%). For a breakdown of the cities where the respondents reside and which reservoirs they used, see Appendix B, Chapter V, and Figure V.A.

Table III.2: Age group distribution.

Age Categories ¹	<i>Deer Creek</i> ²		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	All Lakes ³
	Island	Main	Main	PWC	North	South		
20 or younger	6.2% (6)	6.4% (10)	4.0% (8)	7.8% (5)	6.3% (8)	2.3% (3)	8.0% (18)	5.8% (58)
21 to 30	21.6% (21)	20.5% (32)	20.0% (40)	32.8% (21)	18.3% (23)	12.3% (16)	18.3% (41)	19.5% (194)
31 to 40	33.0% (32)	25.6% (40)	27.0% (54)	28.1% (18)	34.9% (44)	29.2% (38)	28.1% (63)	29.0% (289)
41 to 50	21.6% (21)	30.1% (47)	28.5% (57)	21.9% (14)	22.2% (28)	33.1% (43)	32.1% (72)	28.3% (282)
51 to 60	9.3% (9)	10.9% (17)	13.5% (27)	1.6% (1)	11.1% (14)	10.8% (14)	8.0% (18)	10.0% (100)
61 to 70	3.1% (3)	2.6% (4)	4.0% (8)	4.7% (3)	5.6% (7)	8.5% (11)	4.9% (11)	4.7% (47)
71 or older	5.2% (52)	3.8% (6)	3.0% (6)	3.1% (2)	1.6% (2)	3.8% (5)	0.4% (1)	2.7% (27)
Mean Age (S.D.)	39.3 (13.86)	40.1 (13.07)	40.7 (12.94)	35.9 (13.83)	39.0 (12.99)	43.0 (13.41)	38.4 (12.06)	39.8 (13.07)

¹The respondents ranged in age from 14 to 79 years old.

²Actual numbers (*n*) are shown in parentheses under the percentage.

³N=997, missing cases=93 .

Ownership. Of those surveyed, 83% were the primary boat owner or operator. This was consistent across the different ramps except for the Deer Creek north and the Jordanelle PWC ramps where only 78% and 77%, respectively, of respondents were the primary owner or operator.

Table III.3: Certain visitor characteristics by primary watercraft used and day of week reservoirs were visited.

Characteristics	Lake Use			Day of Week	
	Motorboat	PWC	Other ¹	Weekend ²	Weekday
Gender³					
Male	86.1% (717)	74.6% (126)	68.4% (13)	82.5% (564)	86.4% (312)
Female	13.9% (116)	25.4% (43)	31.6% (6)	17.5% (120)	13.6% (49)
Mean Age	40.9	34.2	42.2	38.6	42.0
Ownership	85.4%	71.2%	89.5%	84.0%	81.1%

¹Fishing and non-motorized boating.

²Includes Friday, Saturday, Sunday and holidays.

³Actual numbers (n) are shown in parentheses next to percentages.

IV. LAKE USE CHARACTERISTICS

Data were recorded regarding the time of use, day of week, location of use, number of vehicles in the parking lot, type of watercraft, and the amount of fuel used in order to understand the use characteristics of boaters at the different reservoirs. The number of surveys taken at the different reservoirs (Table IV.1) indicates a higher amount of use on weekends (Friday, Saturday, Sunday) and holidays than on weekdays. This slightly under represents weekend use, however, because the research technician was not able to intercept all the boaters leaving the take-outs during the most busy times.

Table IV.1: Distribution of survey responses by type of day.

Time of Use	<i>Deer Creek</i> ¹	<i>Jordanelle</i>	<i>Willard Bay</i>	<i>East Canyon</i>	<i>All Lakes</i> ²
Weekday ³	33.1% (89)	30.4% (86)	49.6% (139)	26.0% (67)	35.0% (381)
Weekend/ Holiday ⁴	66.9% (180)	69.6% (197)	50.4% (141)	74.0% (191)	65.0% (709)

¹Actual numbers (*n*) are shown in parentheses under the percentage.

²N=1090, missing cases=0

³Weekdays include Monday, Tuesday, Wednesday, and Thursday, with the exception of Monday the 5th of July.

⁴Weekends/Holidays include Friday, Saturday, and Sunday, with the addition of Monday the 5th of July.

The types of crafts operated by respondents indicates that the majority of those surveyed operated “open motorboats” (65.4%), “cabin motorboats” (15.7%), or “personal watercraft” (17.1%), while relatively few operated “sailboats” (1.3%) or “rowboats” (0.5%) (Table IV.2). It should be noted that the reported number of non-motorized boats using the lakes may under represent the actual numbers. The surveys were conducted at ramps designed to put-in and take-out motorized watercraft. Oar boats, small sailboats, sailboards, and other such craft using the lake could have been accessing the lakes at locations other than where the research technician was located.

We asked the respondents to tell us the amount of boat fuel that they consumed on the day they were contacted. The average fuel use across all the take-outs was 9.9 gallons. However, the amount of fuel used varied somewhat across the different take-outs, with the highest average fuel use at the Deer Creek Island ramp (11.8 gallons) and the lowest amount of use at Willard

Table IV.2: Type of watercraft at the different reservoir take-outs.

Type of Craft	<i>Deer Creek</i> ¹		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	All Lakes ²
	Island	Main	Main	PWC	North	South		
Open Motorboat	62.2% (61)	73.3% (118)	75.4% (153)	18.1% (13)	58.0% (80)	70.3% (97)	68.6% (175)	65.4% (697)
Cabin Motorboat	11.2% (11)	18.0% (29)	21.2% (43)	0% (0)	13.8% (19)	22.5% (31)	13.3% (34)	15.7% (167)
Personal Watercraft	24.5% (24)	7.5% (12)	2.0% (4)	73.6% (53)	28.3% (39)	7.2% (10)	15.7% (40)	17.1% (182)
Sailboats ³	1.0% (1)	0.6% (1)	1.5% (3)	8.3% (6)	0% (0)	0% (0)	1.2% (3)	1.3% (14)
Oar Boats ⁴	1.0% (1)	0.6% (1)	0% (0)	0% (0)	0% (0)	0% (0)	1.2% (3)	0.5% (5)

¹Actual numbers (*n*) are shown in parentheses under the percentage.

²N=1065, missing cases=25

³Sailboats include Sailboats (*n*=9), Auxiliary Sailboats (*n*=1), and Sailboards (*n*=4).

⁴Oar Boats include Canoes (*n*=3), Rowboats (*n*=1), and Inflatable Rafts (*n*=1).

Bay South (7.8 gallons) (see Table IV.3). The average amount of fuel use was slightly higher on the weekends (10.4 gallons) than on weekdays (9.2 gallons). The amount of fuel used also varied depending on the type of craft used. "Open motorboats" averaged 9.1 gallons, "cabin motorboats" averaged 12.2 gallons, "personal watercraft" averaged 11.2 gallons, and "sailboats" averaged 1.0 gallon of fuel used during the day the respondent visited the reservoirs.

Table IV.3: Amount of fuel used on trip.¹

Fuel consumption	<i>Deer Creek</i>		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>
	Island	Main	Main	PWC	North	South	
Average	11.8	10.7	10.5	9.0	10.5	7.8	9.6
Mode	10	10	15	10	10	5	5
Range	0 - 45	0 - 40	0 - 60	1 - 22	0 - 60	0 - 30	0 - 40

¹Figures shown are number of gallons.

The field technician was asked to estimate the capacity of the parking lot during each sampling period. Table IV.4 indicates that Deer Creek Main parking area was greater than three-

quarters full most often (45.8%) and that Jordanelle PWC least often (12.2%). Willard Bay South was less than one-quarter full about than half (50.7%) the time followed by Jordanelle Main (45.9%). Table IV.5 shows the parking lot capacity broken down by weekend days vs. weekdays. Examining the bottom row, none of the studied lake parking lots exceeded three-quarters capacity during the middle of the week. Parking lots' capacities appear to be reaching their limits on the weekends and holidays. It should also be noted that more than 90% of the weekdays that the research technician was conducting surveys, most of the parking areas were less than one-quarter full with the exception of Willard Bay North (75.8%) and Deer Creek Island (57.5%).

The following sub-sections further discuss these different characteristics for each of the four study reservoirs.

Table IV.4: Parking lot capacity

Parking Lot	<i>Deer Creek</i>		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>
	Island	Main	Main	PWC	North	South	
<u>Less than 1/4 full</u>	22.3%	29.5%	45.9%	28.4%	36.4%	50.7%	34.1%
<u>1/4 to 1/2 full</u>	14.6%	14.5%	12.4%	17.6%	18.6%	15.7%	26.0%
<u>1/2 to 3/4 full</u>	29.1%	10.2%	16.7%	41.9%	15.0%	13.6%	15.1%
<u>> than 3/4 full</u>	34.0%	45.8%	24.9%	12.2%	30.0%	20.0%	24.8%

Table IV.5: Parking lot capacity

Parking Lot	<i>Deer Creek</i>		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>
	Island	Main	Main	PWC	North	South	
< than 1/4 full							
Weekdays ¹	57.5%	100.0%	90.3%	100.0%	75.8%	93.2%	100.0%
Weekends ²	0%	0%	22.6%	11.7%	1.4%	4.5%	11.0%
1/4 to 1/2 full							
Weekdays	22.5%	0%	9.7%	0%	24.2%	6.8%	0%
Weekends	9.5%	20.5%	13.9%	21.7%	13.5%	25.4%	35.1%
1/2 to 3/4 full							
Weekdays	20.0%	0%	0%	0%	0%	0%	0%
Weekends	34.9%	14.5%	25.5%	51.7%	28.4%	28.4%	20.4%
> than 3/4 full							
Weekdays	0%	0%	0%	0%	0%	0%	0%
Weekends	55.6%	65.0%	38.0%	15.0%	56.8%	41.8%	33.5%

¹Weekdays include Monday, Tuesday, Wednesday, and Thursday, with the exception of Monday the 5th of July.

²Weekends include Friday, Saturday, and Sunday with the addition of Monday the 5th of July.

Deer Creek Reservoir. At Deer Creek (DC), nearly 67% (180) of the surveys were collected on weekends/holidays, while 33% (89) were collected on weekdays. In general, DC Reservoir had the highest number of days when the parking lot was full, and the lowest number of PWCs of all the study lakes.

On the weekdays, the DC Island ramp parking lot was half full or less 80% of the sampling days, and the lot never reached more than three-fourths of capacity. On the other hand, during weekends the lot at the Island ramp was more than three-fourths of capacity 55.6% of the time, and was greater than one-half of capacity 90.5% of the time and was never less than one-fourth of capacity. DC Island is the only lot that was 1/2 to 3/4 full on some (20%) of the weekdays. Also at the Island ramp, 62% of the respondents operated "open motorboats," while only 11.2% or respondents operated "cabin motorboats," below the average of 15.7%. Interestingly, the percentage of "personal watercraft" operators at 24.5% was much higher than the 17.1% across all lakes. Average boat fuel use at the DC Island ramp was about 12 gallons per day, the highest among all study locations. The fuel use modal category was 10 gallons (15.6%) followed by 5 gallons (13.3%) and 20 gallons (10.0%).

The parking lot at the Main ramp was less than one-fourth full 100% of the time on weekdays, while it was more than half full 79.5% of the time on weekends. Similar to the DC Island ramp, the Main lot was never less than one-fourth full on weekends. A greater number of respondents at the Main ramp operated "open motorboats" (73.3%), "cabin motorboats" (18.0%), and fewer operated "personal watercraft" (7.5%) at the Main ramp compared to the averages for all lakes. The amount of boat fuel used was also relatively low at DC Main, as respondents averaged 10.7 gallons used that day during their visit to the reservoir. More respondents indicated that they had used 10 gallons (21.1%) than any other amount (mode) followed by 15 gallons (12.2%).

Jordanelle Reservoir. The majority of the surveys taken at Jordanelle were also collected on weekends, and the difference between weekend and weekday survey totals was even greater than at Deer Creek; nearly 70% (197) were collected on weekends and 30% (86) were collected on weekdays. At the Jordanelle Main ramp, the parking lot was one-half or less of capacity 100% of the time during week-days, while 38.0% of the time it was more than three-quarters of capacity on weekends. Nearly all of the respondents (96.6%) operated "open motorboats" (75.4%) or "cabin motorboats" (21.2%), and very few (2.0%) used "personal watercraft." Respondents from this ramp averaged 10.5 gallons of fuel used during the day's visit. The mode was 15 gallons (14.0%) followed closely by 5 gallons (13.4%) and 10 gallons (12.4%).

The parking lot at the Personal Watercraft (PWC) ramp was less than one-fourth full 100% of the time on weekdays and more than $\frac{3}{4}$ full only 15% of the time on weekends. This ramp had the lowest amount of motorboat usage, with only 18.1% of respondents operating "open motorboats" and no respondents operating "cabin motorboats." As could be expected due to management emphasis, the percentages of respondents operating "personal watercraft" (73.6%) and "sailboats" (8.3%) were also significantly higher at this ramp than any other study sites. Respondents from the PWC ramp averaged 9.0 gallons of fuel during a day's outing. About a fifth of the respondents indicated that they had used 10 gallons (20.4%) followed by 5 and 3 gallons (11.1% each).

Willard Bay. Only slightly more surveys were collected on weekends (50.4%) than weekdays (49.6%) at Willard Bay (WB) indicating more weekday use than any other reservoir.

The parking lot at the WB North ramp was less than one half full 100% of the time weekdays, while on weekends, 56.8% of the time the parking lot was more than three-quarters full, second highest of all ramps. While 58.0% of respondents operated "open motorboats" and 13.8% operated "cabin motorboats," WB North respondents reported the second highest amount of "personal watercraft" use (28.3%) of all the take-outs. Respondents from this ramp averaged 10.5 gallons of fuel during their outing. The modal fuel category was 10 gallons (16.1%) followed by those who said that they had only consumed one gallon of motorboat fuel (12.1%).

The parking lot at the WB South ramp was less than half full 100% of the time on weekdays, while it was more than $\frac{3}{4}$ full 41.8% of the time on weekends. Most of the WB South respondents operated either "open motorboats" (70.3%) or "cabin motorboats" (22.5%), while very few operated "personal watercraft" (7.2%). The amount of fuel used by respondents from this ramp was the lowest across the different take-outs with an average of only 7.8 gallons used. More respondents indicated that they had consumed 5 gallons (14.8%) than any other amount followed closely by those who said 2 and 10 gallons (12.3% each).

East Canyon. The largest discrepancy between weekday and weekend survey collection was found at East Canyon where 74% were collected on weekends and only 26% were collected on weekdays. On weekdays the parking lot was less than one-fourth full 100% of the time. On weekends, it was more than three-quarters full 33.5% of the time, and over half full only 53.9% of the time, the lowest amount of all study sites. "Open motorboats" accounted for 68.6% of the watercraft operated by respondents, while 13.3% operated "cabin motorboats," and 15.7% operated "personal watercraft." Respondents used an average of 9.6 gallons of motorboat fuel the day of their visit to East Canyon. The modal fuel consumption category was 5 gallons (15.6%) followed closely by 10 gallons (15.2%) and one gallon (10.4%).

V. VISITOR USE CHARACTERISTICS

The average group size for all four of the study reservoirs was 6.2 people (Table V.1). The largest average group size was at Deer Creek (7.4) followed by East Canyon (6.5), Jordanelle (5.8), and Willard Bay (5.2). Deer Creek had the largest percentage (17.8%) of groups with 11 or more people. When looking at the individual ramps (Table V.2), the largest discrepancy within a reservoir was at Willard Bay where the North ramp averaged 6.3 people per group and the South ramp at 4.1 people. The largest percentage of groups of more than ten occurred at Deer Creek Island (17.4%) followed by Willard Bay North (13.5%), Jordanelle PWC (12.5%), and East Canyon (11.1%). It should also be noted that Deer Creek Main had 7.1% of all groups that were larger than 20 people while Willard Bay South had none and only 1.6% between 11 and 20 people (Table V.2).

Table V.1: Number of people per group per lake.

Response Category ¹	<i>Deer Creek</i> ²	<i>Jordanelle</i>	<i>Willard Bay</i>	<i>East Canyon</i>	<i>All Lakes</i> ³
Average	7.4	5.8	5.2	6.5	6.2
1 to 2	15.7% (40)	26.1% (69)	25.5% (65)	16.4% (37)	21.1% (211)
3 to 6 ⁴	50.8% (129)	46.6% (123)	49.4% (126)	53.5% (121)	49.9% (499)
7 to 10	19.7% (50)	18.9% (50)	17.6% (45)	19.0% (43)	18.8% (188)
11 to 20	7.9% (20)	6.1% (16)	6.3% (16)	7.1% (16)	6.8% (6.8%)
more than 20	5.9% (15)	2.3% (6)	1.2% (3)	4.0% (9)	3.3% (33)

¹The groups ranged in size from 1 to 50 people.

²Actual numbers (*n*) are shown in parentheses under the percentage.

³N=999, missing cases=91.

⁴Median group sizes for Deer Creek = 5, Jordanelle = 4, Willard Bay = 4, East Canyon = 5, All Lakes = 5.

Table V.2: Number of people per group per location.

Response Category ¹	<i>Deer Creek</i> ²		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	All Lakes ³
	Island	Main	Main	PWC	North	South		
Average	7.1	7.6	5.6	6.0	6.3	4.1	6.5	6.2
1 to 2	16.3% (16)	15.4% (24)	25.0% (50)	29.7% (19)	21.4% (27)	29.5% (38)	16.4% (37)	21.1% (211)
3 to 6	48.0% (47)	52.6% (82)	48.0% (96)	42.2% (27)	42.9% (54)	55.8% (72)	53.5% (121)	49.9% (499)
7 to 10	18.4% (18)	20.5% (32)	20.0% (40)	15.6% (10)	22.2% (28)	13.2% (17)	19.0% (43)	18.8% (188)
11 to 20	13.3% (13)	4.5% (7)	5.0% (10)	9.4% (6)	11.1% (14)	1.6% (2)	7.1% (16)	6.8% (6.8%)
more than 20	4.1% (4)	7.1% (11)	2.0% (4)	3.1% (2)	2.4% (3)	0% (0)	4.0% (9)	3.3% (33)

¹The groups ranged in size from 1 to 50 people.

²Actual numbers (*n*) are shown in parentheses under the percentage.

³N=999, missing cases=91.

The surveyor asked the respondents which water based recreational activities they participated in on that day. Most indicated that they participated in a multitude of different types of recreation. Table V.3 lists the different activities by lake and ramp. Most boaters at Deer Creek Island ramp indicated cruising followed by waterskiing, and sightseeing. At Deer Creek Main, waterskiing was mentioned most often followed by cruising, sightseeing, and swimming from the boat. The Jordanelle Main ramp boaters most often mentioned cruising followed by sightseeing, waterskiing, and swimming. At Jordanelle PWC, an overwhelming majority of the respondents (78.1%) were there to ride their PWCs followed by sightseeing, cruising, and waterskiing. At Willard Bay North, 57.9% indicated cruising with a majority also saying waterskiing and swimming from the boat. At Willard Bay South, a similar pattern occurs with cruising the most frequently mentioned followed by waterskiing, swimming, and sightseeing. The East Canyon boaters mentioned waterskiing most often followed by cruising, swimming, and sightseeing.

Table V.3: Activities that respondents participated in.¹

Types of Activities	<i>Deer Creek²</i>		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	<i>All Lakes³</i>
	Island	Main	Main	PWC	North	South		
Waterskiing, kneeboarding	51.5% (50)	64.1% (100)	55.1% (109)	25.0% (16)	55.6% (70)	50.4% (65)	63.3% (143)	55.5% (553)
Personal watercraft	28.9% (28)	14.7% (23)	6.1% (12)	78.1% (50)	34.1% (43)	11.6% (15)	22.6% (51)	22.3% (222)
Swimming from boat	42.3% (41)	42.9% (67)	44.9% (89)	20.3% (13)	52.4% (66)	48.8% (63)	45.1% (102)	44.3% (441)
Sightseeing on lake	51.5% (50)	44.2% (69)	59.1% (117)	37.5% (24)	36.5% (46)	42.6% (55)	44.2% (100)	46.3% (461)
Canoeing, kayaking, or sailing	2.0% (2)	2.6% (4)	1.9% (4)	11% (7)	1.6% (2)	0% (0)	3.8% (10)	2.9% (29)
Trolling	18.6% (18)	19.9% (31)	21.7% (43)	9.4% (6)	11.1% (14)	20.9% (27)	22.6% (51)	19.1% (190)
Still fishing from boat	13.4% (13)	23.1% (36)	30.3% (60)	9.4% (6)	12.7% (16)	20.2% (26)	10.2% (23)	18.1% (180)
Cruising	56.7% (55)	62.2% (97)	62.6% (124)	29.7% (19)	57.9% (73)	55.8% (72)	54.4% (123)	56.5% (563)

¹802 respondents or (81%) indicated they participated in more than one activity.

²Actual numbers are shown in parentheses under the percentage.

³N=996, missing cases=94.

As shown on Table V.3, Jordanelle PWC has the greatest percentage of PWC riders (78.1%) followed by Willard Bay North (34.1%), Deer Creek Island (28.9%), and East Canyon (22.6%). With the exception of Jordanelle PWC and Willard Bay North (9.4% and 11.1% respectively), all of the ramps accommodated between about 19% to 23% of boaters who were trolling. As regards to still fishing from the boat, 30.3% of the boaters contacted at Jordanelle Main indicated they participated in that activity follow by Deer Creek Main (23.1%) and Willard Bay South (20.2%). Participating in activities from human or wind driven craft was rarely mentioned at all ramps.

When asked which of the activities mentioned was their primary activity, respondents at each of the ramps, with the exception of Jordanelle PWC (61.2% indicated riding their PWCs), indicated waterskiing (see Table V.3). The second most frequently mentioned primary activity

was PWC riding at Deer Creek Island (20.0%) and Willard Bay North (21.6%); trolling at Deer Creek Main (12.3%), Willard Bay South (15.3%), and East Canyon (16.3%); and cruising at Jordanelle's Main (18.4%) and PWC (9.6%) ramps.

Table V.4: Primary lake recreational activities at each location.¹

<i>Location</i>	<i>Most popular</i>	<i>Second most popular</i>	<i>Third most popular</i>	<i>Fourth most popular</i>	<i>Fifth most popular</i>
<i>Deer Creek²</i> Island	<u>Waterskiing</u> 36% (35)	<u>PWC</u> 20% (20)	<u>Trolling</u> 15% (15)	<u>Cruising</u> 11% (11)	<u>Still Fishing</u> 5% (5)
<i>Deer Creek</i> Main	<u>Waterskiing</u> 49.3% (76)	<u>Trolling</u> 12.3% (19)	<u>Still Fishing</u> 11.6% (18)	<u>Cruising</u> 9.0% (14)	<u>PWC</u> 6.4% (10)
<i>Jordanelle</i> Main	<u>Waterskiing</u> 35.8% (70)	<u>Cruising</u> 18.4% (36)	<u>Still Fishing</u> 14.3% (28)	<u>Trolling</u> 13.3% (26)	<u>Wakeboarding</u> 8.2% (16)
<i>Jordanelle</i> PWC	<u>PWC</u> 61.2% (38)	<u>Cruising</u> 9.6% (6)	<u>Waterskiing</u> 8.0% (5)	<u>Still Fishing</u> 6.4% (4)	<u>Trolling</u> 6.4% (4)
<i>Willard Bay</i> North	<u>Waterskiing</u> 43.2% (54)	<u>PWC</u> 21.6% (27)	<u>Trolling</u> 9.6% (12)	<u>Cruising</u> 8.0% (10)	<u>Still Fishing</u> 6.4% (8)
<i>Willard Bay</i> South	<u>Waterskiing</u> 41.1% (51)	<u>Trolling</u> 15.3% (19)	<u>Cruising</u> 12.9% (16)	<u>Wakeboarding</u> 7.2% (9)	<u>PWC³</u> 6.4% (8)
<i>East Canyon</i>	<u>Waterskiing</u> 42.2% (93)	<u>Trolling</u> 16.3% (36)	<u>Wakeboarding</u> 11.8% (26)	<u>Cruising</u> 10.9% (24)	<u>PWC</u> 10.0% (22)

¹N=977, missing cases=113

²Actual numbers (*n*) shown in parentheses.

³PWC tied with Still Fishing for the fifth most popular activity at Willard Bay South.

We also asked boaters to tell us the main reasons they considered when making the decision to come to that particular lake on the day they were interviewed. We allowed for three different reasons. As shown on Table V.5, the most mentioned reason given at each of the ramps (between about 51% to 65%) was the closeness or proximity to the boaters' residences. Lake qualities along with recreation opportunities were also mentioned fairly often. Around 10% or less of the boaters at each of the ramps (1.6% at Jordanelle PWC) mentioned that they chose to boat on that day because they thought that the reservoir would not be crowded.

Table V.5: Aggregate percentages of reason people visited the different locations.¹

Response	<i>Deer Creek</i>		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	All Lakes
	Island	Main	Main	PWC	North	South		
Close/proximity	52.7 1	53.8 1	65.1 1	60.9 1	52.4 1	51.5 1	50.7 1	55.2 1
Lake qualities and characteristics	43.4 2	34.0 2	21.2 2	26.6 3	30.2 2	13.3 4	19.9 3	25.6 2
Recreation opportunities	11.4 5	20.5 3	18.2 3	29.7 2	27 3	31.3 2	23.6 2	22.1 3
Fishing opportunities	19.7 3	18.6 4	16.6 5	7.8 6	11.1 5^a	20.3 3	10.2 6	15 4
Group/Social	11.3 6	13.5 5	10.6 6	15.6 5	14.3 4	7.8 8^c	16.0 4	12.7 5
Facilities	17.7 4	7.7 6	17.7 4	18.5 4	4.8 9^b	2.4 11^d	12.0 5	11.2 6
Not crowded	5.2 9	5.1 7	5.5 9	1.6 9	8.8 7	10.2 6	9.7 7	7.1 7

¹Rankings of the response categories are shown in bold under the aggregate percentages.

^a“Good weather” tied “fishing opportunities” with an overall ranking of 5th/6th.

^bThe category “other lakes undesirable” ranked 8th, while “facilities” tied with the categories “business/test watercraft” and “good time to go” with an overall ranking of 9th.

^cThe category “good weather” was ranked 5th, “not crowded” and “business/test watercraft” tied for the ranking of 6th/7th, and the category “group/social” tied with “good time to go” with a ranking of 8th/9th.

^dThe category “other lakes undesirable” ranked higher than “facilities” with a ranking of 10th.

We examined the relative proximity of the boaters to the reservoir they were on by drawing a series of concentric circles on a map and identifying the respondents' cities of residence within the circles. The circles were drawn with the individual reservoirs at the center point and spaced at 25 miles, 50 miles, and 100 miles. As shown on Figure V.A, 75% of the Willard Bay boaters and 71% of the East Canyon boaters, and 55% of Deer Creek boaters live within 25 miles. However, 68% of the Jordanelle boaters live between 26 to 50 miles of Jordanelle and only 24% within 25 miles. Relatively few boaters travel more than 50 miles to boat at the four study reservoirs (8% at Deer Creek and Jordanelle, 6% at Willard Bay, and less than 2% at East Canyon. For a complete listing of respondents' cities of residence, see Appendix B.

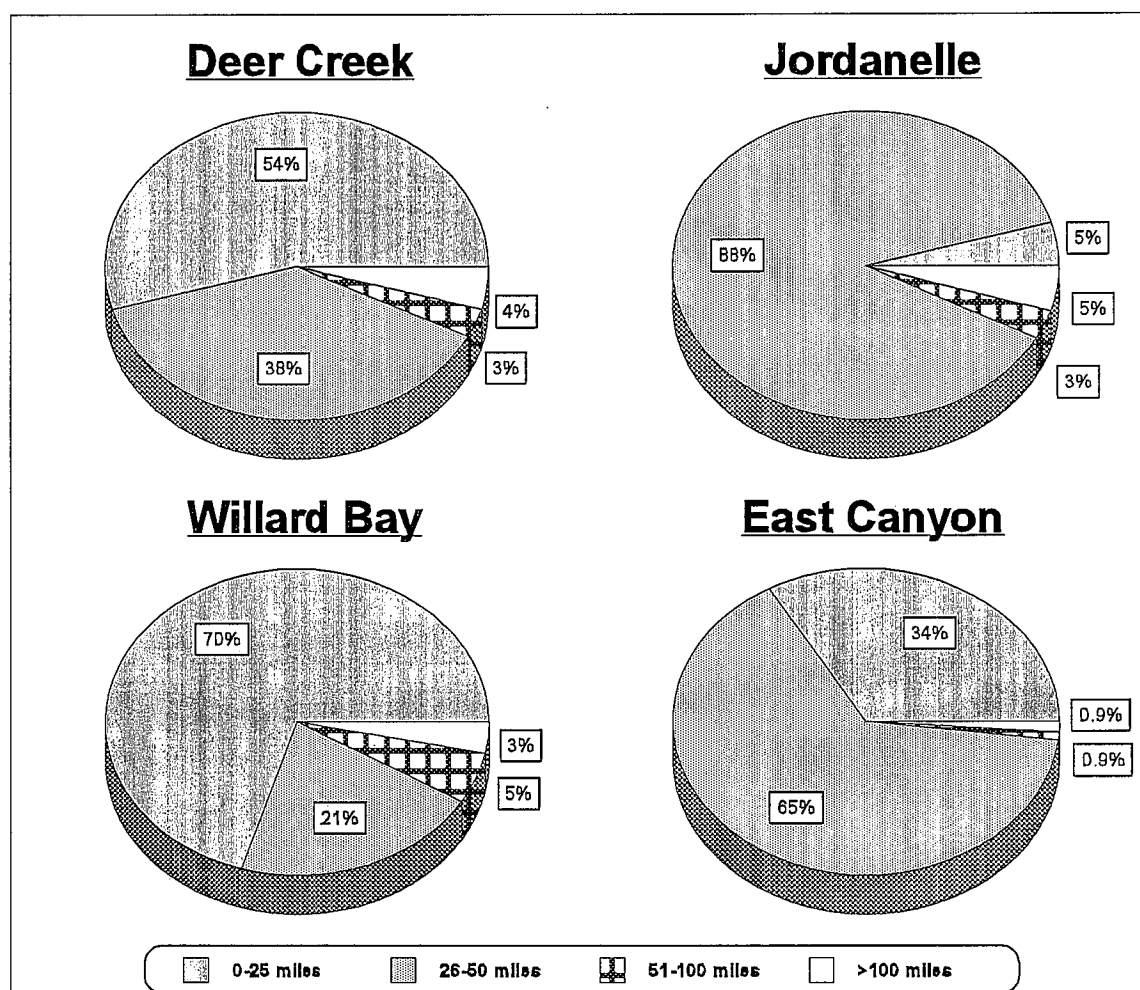


Figure V.A: Distance traveled to reservoirs.

VI. BOATING SATISFACTION, CONFLICTS, & CROWDING

The survey instrument contained several questions designed to assess the degree of satisfaction, any conflicts that the respondents felt detracted from their boating experience, and the degree of crowding on the reservoirs and the need to impose some sort of boating use limits.

The researcher asked the boat operator in general, how satisfied they were with their recreational experience on the lake on the day they were surveyed. The results shown in Table VI.1 suggests that there are very few boaters, at any one time, that are not satisfied with their boating activities. Across all ramps, more than 85% indicated that they were either very satisfied or satisfied with the day's recreational experience. Deer Creek Main had the largest proportion of respondents (7.0%) who indicated that they were very dissatisfied or dissatisfied. At both of the Jordanelle ramps and at Willard Bay South, none of the respondents indicated that they were very dissatisfied. Willard Bay North and Willard Bay South ramps had the fewest proportion of very dissatisfied and dissatisfied respondents (2.4% and 2.3% respectively). It also should be noted that there were very few respondents who were neutral on this question (percent range from 4.5% at Deer Creek Main to 7.1% at East Canyon).

The field technician then asked if the action of others detract from the respondent's enjoyment while boating on the lake where they were contacted. As shown on Table VI.2, a majority of respondents at each ramp, with the exception of Jordanelle PWC with 46.7%, indicated that the actions of others do detract from their boating enjoyment. Of those who answered that their enjoyment was affected by others, respondents at Deer Creek Main had the largest proportion who indicated that it occurred often (29.6%) followed by East Canyon (27.5%) and Jordanelle Main boaters. Less than 15% of the respondents at Deer Creek Island (11.1%), Willard Bay South (12.0%), and Jordanelle PWC (13.3%) indicated that the actions of others often detracted from their experience. Almost half of the respondents contacted at Willard Bay South and Jordanelle PWC indicated that the actions of others rarely detracted from their boating enjoyment (see Table VI.2).

Table VI.1: User level of satisfaction with day's recreation experience.

Response	<i>Deer Creek</i> ¹		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	All Lakes ²
	Island	Main	Main	PWC	North	South		
Very satisfied	57.7% (56)	50.0% (78)	53.3% (105)	47.6% (30)	50.4% (63)	54.3% (70)	47.1% (106)	51.2% (508)
Satisfied	32.0% (31)	38.5% (60)	36.5% (72)	38.1% (24)	40.8% (51)	38.8% (50)	40.0% (90)	38.1% (378)
Neutral	5.2% (5)	4.5% (7)	5.1% (10)	9.5% (6)	6.4% (8)	4.7% (6)	7.1% (16)	5.8% (58)
Dissatisfied	2.1% (2)	5.1% (8)	5.1% (10)	4.8% (3)	0% (0)	2.3% (3)	4.4% (10)	3.6% (36)
Very dissatisfied	3.1% (3)	1.9% (3)	0% (0)	0% (0)	2.4% (3)	0% (0)	1.3% (3)	1.2% (12)
Mean ³	1.6	1.7	1.6	1.7	1.6	1.5	1.7	1.7

¹Actual numbers (*n*) are shown in parentheses under the percentage.

²N=992, missing cases=98.

³Mean score calculated on a scale where 1= Very Satisfied, 2= Satisfied, 3= Neutral, 4= Dissatisfied and 5= Very Dissatisfied.

The survey instrument contained several questions regarding the amount of boaters that the respondents saw on the lake the day they were contacted and whether use limits should be imposed in an attempt to reduce those numbers. As indicated on Table VI.3, a large majority of primary boat operators at each ramp location (73.2% at East Canyon to 87.2% at Willard Bay North) thought that the number of other boaters they saw were just about right. Less than 4% at Willard Bay South thought that there were too many boaters. East Canyon had the largest proportion (23.7%) who indicated that they saw too many boaters followed by Deer Creek Main (19.9%), Jordanelle PWC (19.7%), and Deer Creek Island (18.8%). Very few respondents (see Table VI.3) thought that there were too few boaters on the day they were contacted.

Table VI.2: If the actions of others reduced respondents' enjoyment while at the lake and, if so, the frequency that user enjoyment is reduced.¹

Response	<i>Deer Creek</i> ²		<i>Jordanella</i>		<i>Willard Bay</i>		<i>East Canyon</i>	<i>All Lakes</i>
	Island	Main	Main	PWC	North	South		
Actions of others do not detract from enjoyment	44.8% (43)	37.8% (59)	40.9% (81)	53.2% (33)	46.8% (59)	41.9% (54)	38.7% (87)	41.9% (416)
Actions of others detract, or possibly detract, from enjoyment	55.2% (53)	62.1% (97)	59.0% (117)	46.7% (29)	53.1% (67)	58.1% (75)	61.3% (138)	58.0% (576)
Rarely ³	38.9% (21)	28.6% (28)	33.1% (39)	46.7% (14)	42.6% (29)	49.3% (37)	30.4% (42)	36.1% (210)
Sometimes ³	48.1% (26)	40.8% (40)	41.5% (49)	40.0% (12)	32.4% (22)	36.0% (27)	39.9% (55)	39.8% (231)
Often ³	11.1% (6)	29.6% (29)	24.6% (29)	13.3% (4)	19.1% (13)	12.0% (9)	27.5% (38)	22.0% (128)
Don't Know ³	1.9% (1)	1.0% (1)	0.8% (1)	0% (0)	5.9% (4)	2.7% (2)	2.2% (3)	2.1% (12)

¹N=992, missing cases=98

²Actual numbers (*n*) are shown in parentheses under the percentage.

³Of the number of respondents who said that the actions of some lake users detract or possibly detract from their enjoyment of the lake, the number who responded "rarely," "sometimes," "often," or "don't know."

Table VI.3: Amount of boaters respondents felt were on the lake.

Response	<i>Deer Creek</i> ¹		<i>Jordanella</i>		<i>Willard Bay</i>		<i>East Canyon</i>	<i>All Lakes</i> ²
	Island	Main	Main	PWC	North	South		
Too many	18.8% (18)	19.9% (31)	16.3% (32)	19.7% (12)	6.4% (8)	3.9% (5)	23.7% (53)	16.1% (159)
Too few	4.2% (4)	1.9% (3)	5.1% (10)	0% (0)	6.4% (8)	11.6% (15)	3.1% (7)	4.8% (47)
About right	77.1% (74)	78.2% (122)	78.6% (154)	80.3% (49)	87.2% (109)	84.5% (109)	73.2% (164)	79.1% (781)

¹Actual numbers (*n*) are shown in parentheses under the percentage.

²N=987, missing cases=103

We then asked if the respondents felt if there was a need to limit the number of boats that can use the lake, where they were surveyed, at one time. As shown on Table VI.4, a majority responded with “definitely yes” or “probably yes” at each ramp location with the exception of Willard Bay South (43.4%). Almost three-quarters of the respondents at both East Canyon and Deer Creek Main indicated that use limits are needed. Respondents at Willard Bay were more likely to indicate that use limits are not necessary (51.9% at Willard Bay South and 43.7% at Willard Bay North).

Table VI.4: Opinion of respondents on the need to put limits on the number of boats that can use the lake at one time.

Response	<i>Deer Creek</i> ¹		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	<i>All Lakes</i> ²
	Island	Main	Main	PWC	North	South		
Definitely yes	43.3% (42)	39.7% (62)	44.9% (89)	43.5% (27)	26.2% (33)	25.6% (33)	42.4% (95)	38.4% (381)
Probably yes	28.9% (28)	34.0% (53)	24.7% (49)	25.8% (16)	25.4% (32)	17.8% (23)	31.7% (71)	27.4% (272)
Probably no	11.3% (11)	16.0% (25)	13.6% (27)	9.7% (6)	25.4% (32)	34.1% (44)	14.3% (32)	17.8% (177)
Definitely no	11.3% (11)	9.0% (14)	8.6% (17)	16.1% (10)	18.3% (23)	17.8% (23)	7.1% (16)	11.5% (114)
Don't know	5.2% (5)	1.3% (2)	8.1% (16)	4.8% (3)	4.8% (6)	4.7% (6)	4.5% (10)	4.8% (48)

¹Actual numbers (*n*) are shown in parentheses under the percentage.

²N=992, missing cases=98

We also wanted to know if the respondent would still go boating if, on that day, they were not able to use the lake because of use limits and if they still intended on going boating, where they would go. The data shown in Table VI.5 indicates that a majority of the respondents would go boating somewhere else if they could not boat on the lake where they were contacted. A little more than half the respondents at Willard Bay South (51.2%) and Willard Bay North (56.4%) indicated they would definitely or probably have gone boating somewhere else. Almost 80% or more of the respondents at the Deer Creek and Jordanelle ramps said they would have definitely or probably gone boating somewhere else. Willard Bay South had the largest proportion (40.3%)

of respondents who indicated that would had done something else followed by Willard Bay North (33.3%), East Canyon (26.7%), and Jordanelle PWC (19.7%).

Table VI.5: If respondents were not able to get on the lake because of use limits would they have gone boating elsewhere or done something else at the lake?¹

Response	<i>Deer Creek</i>		<i>Jordanelle</i>		<i>Willard Bay</i>		<i>East Canyon</i>	<i>All Lakes²</i>
	Island	Main	Main	PWC	North	South		
Boating definitely	46.4% (45)	34.6% (54)	52.5% (104)	41.0% (25)	28.6% (36)	25.6% (33)	31.6% (71)	37.1% (368)
Boating probably	38.1% (37)	41.0% (64)	32.3% (64)	37.7% (23)	27.8% (35)	25.6% (33)	33.3% (75)	33.4% (331)
Something else	12.4% (12)	17.3% (27)	12.6% (25)	19.7% (12)	33.3% (42)	40.3% (52)	26.7% (60)	23.2% (230)
Unsure	2.1% (2)	4.5% (7)	1.5% (3)	1.6% (1)	2.4% (3)	1.6% (2)	4.4% (10)	2.8% (28)
No	1.0% (1)	2.6% (4)	1.0% (2)	0% (0)	7.9% (10)	7.0% (9)	4.0% (9)	3.5% (35)

¹Actual numbers (*n*) are shown in parentheses under the percentages.

²N=992; missing cases=98

Of those who answered that they would have probably or definitely gone boating elsewhere, the research technician further probed as to which other lakes they would be likely to go to. We allowed for two separate responses from each of the primary operators. As shown on Table VI.6, the most mentioned lake for those using the Jordanelle ramps was Deer Creek and for those contacted at the Deer Creek ramps, Jordanelle was the lake most frequently mentioned when asked where else they would boat. In other words, displaced Jordanelle boaters would go down the road to Deer Creek and those displaced at Deer Creek would head over to Jordanelle. The most frequently mentioned lake for the Willard Bay boaters was Pineview Reservoir and for those at East Canyon, Echo Lake (27.1%) followed by Jordanelle (24.3%). It appears that the respondents were more likely to indicate that if displaced from using the reservoir they were at that day, they would go to the next nearest lake that offered similar recreational opportunities.

Table VI.6: Where respondents would go if they were not able to get on lake.¹

<i>Location</i>	<i>Most mentioned</i>	<i>Second most mentioned</i>	<i>Third most mentioned</i>	<i>Fourth most mentioned</i>	<i>Fifth most mentioned</i>
<i>Deer Creek²</i> Island	<u>Jordanelle</u> 64.6% (53)	<u>Strawberry</u> 12.2% (10)	<u>Utah Lake</u> 12.2% (10)	<u>Rockport</u> 3.7% (3)	<u>Don't Know</u> 2.4% (2)
<i>Deer Creek</i> Main	<u>Jordanelle</u> 55.9% (66)	<u>Utah Lake</u> 17.8% (21)	<u>Strawberry</u> 11.9% (14)	<u>Scofield</u> 2.5% (3)	<u>Don't Know</u> 4.2% (5)
<i>Jordanelle</i> Main	<u>Deer Creek</u> 46.4% (78)	<u>Rockport</u> 15.5% (26)	<u>Strawberry</u> 11.9% (20)	<u>Echo Lake</u> 11.3% (19)	<u>Pineview</u> 3.0% (5)
<i>Jordanelle</i> PWC	<u>Deer Creek</u> 42.9% (21)	<u>Rockport</u> 20.4% (10)	<u>East Canyon</u> 8.2% (4)	<u>Echo Lake</u> 8.2% (4)	<u>Strawberry</u> 6.1% (3)
<i>Willard Bay</i> North	<u>Pineview</u> 46.5% (33)	<u>Bear Lake</u> 8.5% (6)	<u>Hyrum</u> 8.5% (6)	<u>Jordanelle</u> 5.6% (4)	<u>Mantua³</u> 4.2% (3)
<i>Willard Bay</i> South	<u>Pineview</u> 60.0% (39)	<u>Don't Know</u> 13.8% (9)	<u>East Canyon</u> 6.2% (4)	<u>Bear Lake</u> 4.6% (3)	<u>Hyrum</u> 4.6% (3)
<i>East Canyon</i>	<u>Echo Lake</u> 27.1% (39)	<u>Jordanelle</u> 24.3% (35)	<u>Pineview</u> 16.7% (24)	<u>Rockport</u> 6.9% (10)	<u>Willard Bay</u> 6.9% (10)

¹Of respondents who answered "Boating Definitely" or "Boating Probably" to question 14 (N=697).

²Actual numbers (n) shown in parentheses.

³East Canyon tied with Mantua for fifth most mentioned alternative at Willard Bay North.

VII. VISITOR COMMENTS & RECOMMENDATIONS

At the conclusion of the interview, the surveyor asked the respondents if they had any additional comments or recommendations for future management. He recorded these and they are presented in their entirety in Appendix C. Qualitative analysis revealed 666 separate responses that can be characterized within six unique broad categories: 1) positive comments; 2) more or improvement of facilities and/or services; 3) improving environmental conditions; 4) improve visitor management and/or information; 5) use levels; and 6) provisions to considered if use levels are limited. Appendix C contains a summary analysis of the response frequencies within those categories and specific subjects mentioned for each of the study reservoirs and all four combined prior to the complete comments text. The remainder of this section summarizes the respondents' comments by each reservoir ramp location.

Deer Creek Island. Of the 68 comments, almost one-third were positive (30.9%). Although about half of those were classified as generally positive (e.g. nice place, had a great time), several of the respondents said that they have seen improvements. Almost a quarter of the respondents offered ideas on improving facilities or services. These included suggestions to provide more sandy beaches, restrooms, garbage cans near the picnic areas, and campsites. About another 25% offered suggestions to improve management or provide information. Some of those included stocking more fish, implementing a Bass release policy, providing visitors with emergency contact phone numbers, more lake patrols, and providing a "hot line" to inform users when limit capacity is reached. There were also six comments regarding use levels.

Deer Creek Main. There were a total of 106 unique subjects contained in the Deer Creek Main primary boat operators' comments. About one-third (32) referred to improving visitor management and information services. Thirteen of those addressed issues related to regulating, licensing, or rule enforcement of PWC operators. There were also suggestions to decrease catch limits, restrict dogs, and increase law enforcement patrols. About 28% of the comments were positive including compliments of staff courtesy and facility maintenance. Almost a quarter of the comments had suggestions for facility improvements such as increasing the size of the parking lots, building more campsites and docks, and attracting more sailboat use. One person

suggested that a separate ramp be installed and dedicated to PWC users.

Jordanelle Main. Respondents contacted at Jordanelle Main offered 131 additional comments or suggestions. Almost 30% concerned improving facilities. The boaters would like to see more drinking water availability at the camping and picnic sites, permanent ski buoys, another launch ramp, more beaches, more docks, bigger docks, floating docks, etc. Also, about 30% of the comments regarded the improvement of visitor management or information availability. Several of the respondents thought that the ramp traffic needs improved patrolling and identification of traffic lanes. Several also mentioned the lack of lake patrols and rules enforcement. There were also suggestions regarding better signing and providing visitors with a list of rules when they enter the park. Less than 10% of the comments addressed environmental conditions and use levels.

Jordanelle PWC. There were fewer comments at Jordanelle PWC (46) than any other survey location. Forty percent of those addressed park facilities and services. Several of these addressed the need for more areas where it is safe to beach PWCs. One person suggested getting rid of rocks that could damage his PWC and another thought it would be a good idea to replace "coarse" rocks with smooth ones. Several people thought it would be a good idea to designate more "swimming only" areas. There were also recommendations to improve motorboat trailer parking facilities and docks. There were several positive comments regarding the park personnel. One person said that the "rangers are nice and accommodating" while another stated that the "state park employees were great." There were also several suggestions to increase patrols and rules enforcement in the parking areas and on the ramp ("PWC launch is being used by motorboats, it should be watched").

Willard Bay North. Of the 84 comments, nearly one-fourth (19) addressed the large insect population. Almost all of those suggested a more rigorous spraying program. More than one-third of the comments offered suggestions to improve the park's facilities or services. Those included patrolling the beach areas, improving and increasing the number of boat slips, monitoring the boat ramp, improving campsite facilities, and one person even suggested constructing a bypass road to Pelican Beach. There was one person who implied that there may be gang activities at one of the beaches. There were also 20 comments addressing needs to

improve visitor management or information services, four of which suggested reducing fees. There were also comments suggesting the zoning of PWC users, improving restroom maintenance, licensing or certifying motorboat operators, and providing separate swimming areas. There were only three comments regarding use levels and none offering suggestions for how to deal with use limits if they were enacted.

Willard Bay South. Insects was also a recurring theme for respondents at Willard Bay South with 20 of the 94 comments directly addressing insect control. More than 27% of the comments also addressed the need to provide additional facilities or improve existing facilities or services. There were several suggestion to clean-up the restrooms, increase parking, provide beach areas on the south side separate from the ones on the north end of the reservoir, fix-up the marina, and install gas pumps. Four comments made suggestions to improve visitor information and there were also several comments addressing water pollution and littering. It should also be noted that about one-fifth of the comments were generally positive with several respondents saying that they were satisfied with the existing management plan.

East Canyon. There were more comments (137) from the sample population at East Canyon than from any of the other survey locations. Nearly one-third (45) addressed issues regarding visitor management and information services. Of those, more than one-half (26) specifically mentioned PWCs. Examples of some of those include "PWCs take too long to unload and load. Seems to be a lack of awareness on the part of PWC users. Limit jet skis, not boats" and "Big problem with PWCs is that renters are not educated enough" and "Keep PWCs away from boats and fishing. Always cutting line behind boat." One person even suggested that there should be separate lakes, one for PWCs and one for traditional motorboats. Several people thought that a good way to deal with days when overcrowding is an issue is the implementation of a reservation system. More than one-fifth of the comments addressed the need to improve the park's facilities and services. Those included building more ramps and/or docks, planting more fish, change snack bar operations ("... they need to have coffee ready before 8:00am"), and better enforcement of rules.

The preceding sub-sections are only intended as brief summaries of the many comments offered by the respondents. In order to give full credit to the depth and richness of those

comments and recommendations, it is suggested that the reader take the time to read through them in Appendix C.

VIII. SUMMARY AND MANAGEMENT RECOMMENDATIONS

This section summarizes both general and lake specific results and recommendations. But first, there are several issues to keep in mind when interpreting the results.

Interpreting the Results

There are several limitations to the study. First, the findings are scientifically representative only of the four lakes and seven boat launches where the survey was conducted. Despite reporting summary statistics for all lakes, *system-wide implications are merely suggestive*. Second, since the surveys were conducted at boat ramps, the results are not representative of non-boaters and they may under represent a small percent of boaters who put in at other locations. Third, in most cases the primary boat operator was the survey subject. It was not possible to randomly select all people who rode in boats because boat ramps were the only control points where surveys could be conducted exactly the same at every park. There are advantages to surveying primary operators however; they are likely to have more time and money invested in boating and more experience at the lakes.

It is also important to keep lake characteristics in mind. At 10,000 surface acres, Willard is the largest lake, Deer Creek and Jordanelle are both mid size (about 3,000 acres each), and East Canyon is relatively small (680 acres). Based on both the response rates from this survey and statistics from a statewide telephone survey of registered boaters conducted after the 1999 boating season, Deer Creek and Jordanelle get the most use, followed by Willard Bay and East Canyon (Table VIII.1). But, when looking at boater *density*, based on an annual boater-per-acre ratio, East Canyon gets the most use by far, followed by Deer Creek and Jordanelle, and Willard Bay gets very light use.

Table VIII.1: 1999 Boater visitation by reservoir matrix.

Lake (size in surface acres)	Percentage of registered boaters ²	Number of Utah boaters using lake ²	Average number of visits	Total Utah boating groups	Non Utah boating groups ³	Total boating groups	Average group size ³	Total boaters 1999 ⁴	Groups per acre (season)	Boaters per acre (season)
Deer Creek (2,965)	18.0%	10,492	4.9	51,410	1,440	52,851	7.4	391,097	17.8	131.9
Jordanella (3,068)	22.3%	12,998	4.4	57,191	1,601	58,792	5.8	340,993	19.2	111.1
Willard Bay (10,000)	17.7%	10,317	5.1	52,616	1,473	54,089	5.2	281,262	5.4	28.1
East Canyon (680)	4.9%	2,856	5.9	16,850	471	17,321	6.5	112,586	25.5	165.6

¹From 1999/2000 telephone survey of registered boaters (does not include renters)²Based on estimated 58,289 individual registered boat owners³Based on current survey (1999 Lake intercept survey, June 28 to August 27, 1999. Non Utah boaters based on four lake average of 97.2% Utah residents.⁴These are day use estimates, they do not include overnight stays.

The lakes do not have specific management objectives, but Jordanelle has use limits in place and a designated PWC launch. Jordanelle's facilities were designed and built to accommodate a designated capacity of people equating to one boat per ten surface acres of water. Deer Creek maximum capacity is 300 boats and is implemented by its parking lot size. When the parking lot is full, no more boats are allowed on the lake. Similarly, East Canyon's maximum capacity is based on how many boat trailers can fit in the parking area. At maximum use levels, this works out to be about 100 or one boat per six surface acre feet of water. Willard Bay's watercraft limit is also determined by parking lot capacity. As with most of the water-based state parks, the study lakes provide for a wide array of recreation opportunities including both motorized and non-motorized activities. Survey respondents did not express much concern about this, however, and while there seems to be a moderate level of perceived conflict at all lakes (see Table VI.2), satisfaction is uniformly high and very few visitors asked that lakes be managed for specific opportunities. Developing management objectives should be a future priority, and we hope this report will provide some help for that difficult task.

General Results: Visitor and Lake Use Characteristics

Characteristics of reservoir visitors. Most respondents at all lakes are males (there is generally an 80/20 gender split) and 97% are from Utah. The mean age of respondents is 40, with a slightly younger crowd on weekends (39), and PWC users are a bit younger on average (34). Most respondents (83%) were the primary boat owner or operator, but this was less true of PWC drivers.

Lake use characteristics. Most lakes get more than three-quarters of their use on weekends and holidays, and parking lots are rarely more than half full on weekdays. The only exception to this is Willard Bay, which has a 50/50 split in weekend/weekday use. Weekday parking lot use levels are uniformly low, but weekend parking lot use levels vary considerably from lake to lake, with Jordanelle the lowest and Deer Creek the highest. The vast majority of respondents at all lakes and launches use traditional motorboats (80%) or PWCs (17%), although there was higher use of PWCs at the Deer Creek Island and Willard North ramps (24% and 28% respectively) and, at Jordanelle's PWC ramp, 74% are PWC users and 8% are sailboaters. Fuel

use is consistent across the lakes, with open motor boats using about 9 gallons of fuel per day compared to 12 for cabin cruisers and 11 gallons for PWC users.

Visitor use characteristics. Across all lakes, the average group size is 6, with slightly more at Deer Creek (over 7) and slightly less at launches that cater to fishermen (e.g., four per group at Willard South). The study lakes attract primarily local boaters; the modal category for distance traveled was 0 to 25 miles for all lakes except Jordanelle, where 88% of the respondents traveled from 26 to 50 miles to get to the lake. In all cases, fewer than 9% of the boaters travel more than 50 miles to get to the lake. Reflecting this, *proximity was the major reason people visited the study lakes by a wide margin*, followed by lake characteristics or the availability of specific recreation or fishing opportunities. *Avoiding crowds is relatively unimportant at all four lakes*, and is primarily a concern at lakes or ramps that attract fishermen, like Willard Bay and East Canyon, where about 10% of the boaters fish. Interestingly, the motivation to avoid crowds was highest at the highest (East Canyon) and lowest (Willard) density use lakes, and *lowest* at Jordanelle, the only study lake that has specific use limits.

Water skiing is the primary boater activity for all the lakes, followed by general motorboat related activities (cruising, swimming from boat, and lake sightseeing), PWC use, and trolling or fishing. But, when asked for their *primary* activities, fishing or trolling for fish became comparatively more important, and even more important than PWC use, at four of the seven launches. This indicates that, while relatively few respondents fish, fishing is the primary activity for those who do. This is especially true at Deer Creek Main, Willard Bay, and East Canyon, where the combination of fishing and trolling for fish is the primary activity for more people than PWC use. Protecting fishing opportunities, however, cannot be addressed by use capacities, which limit use during the most crowded times rather than less crowded times when fishermen are likely to be present (e.g., early morning or evening).

Satisfaction, crowding, and conflicts. The results related to satisfaction, crowding, and conflicts appear to be contradictory. These findings must be considered together in order to make recommendations for Utah's water-based parks.

Satisfaction is high at all four study parks; in fact, 86% to 93% said they were "satisfied" or "very satisfied" with their trip. This appears to be verified by the finding that relatively few

respondents feel the number of people is too high on the lakes. About three-quarters said the numbers were “about right” and 84% overall said they were about right or *too few*, indicating crowding is not a problem on any of the lakes. Likewise, only 7% of the respondents indicated that avoiding crowds was a reason for visiting the lake where the study was conducted. On the other hand, almost 60% of the respondents said they were bothered by the actions of others while on the lake. But it should be noted that of those who said that the actions of others detracted from their enjoyment, 36% indicated it was a rare occurrence, nearly 40% said it happen some of the times, and 22% said it happened often. Nearly two-thirds of the respondents felt that use limits were needed, *even at Jordanelle, where use limits already exist and parking lot use rates are the lowest, and at Willard Bay, where the lowest levels of crowding occur* (95% of the Willard Bay respondents said the number of boaters on the lake was “about right” or “too few”).

Thus, boater support for use limits seems to be a reaction to user conflicts rather than boater densities. The boaters at these four lakes do not feel crowded and management tools, other than use capacities, should be used to address problems whenever possible. Limiting use does not necessarily reduce conflicts or even crowding perceptions, and they may simply shift management problems to other lakes. This certainly seems to be the case in these parks: 70% of the respondents said they would go boating elsewhere if they were restricted from using the lake where they were contacted, nearly all of them said they would go to another state park, and most would go to another park that is considering or using use limitations. For example, most Jordanelle respondents said they would go to Deer Creek, and Deer Creek boaters said they would go to Jordanelle. In fact, if these behavioral intentions are correct, it is possible to argue that the parking lot congestion problem at Deer Creek may be caused, in part, by use limitations having been met at Jordanelle on weekends (when use limits are met, parking lot gates are closed).

Research in both recreation ecology and social science has shown that limiting use in high use areas may actually exacerbate management problems when viewed from a *regional* rather than site specific perspective. And a recent case in Colorado found that boat safety problems increased when use capacities were implemented and decreased when the capacities were removed and more patrols and education were used. From a visitor experience perspective, use

limitations are actually most appropriate for *lesser* used areas or times, to protect experiences that are truly solitude dependent, which may be the case with fishing at Utah reservoirs. Use capacities should only be used where it is documented that an experience or management problem is truly visitor *density* dependent and they should be the tool of last resort, used only after all other management tools (information, education, interpretation, law enforcement, site design and hardening, etc.) have been tried and documented to be ineffective.

Conclusion

Finally, there are many lake specific issues that need to be addressed that are too detailed to discuss in this report. It should be noted, however, that staff time and budget may often preclude effectively addressing these problems directly, but that other visitor management approaches may be implemented. There are many potential visitor management strategies in the social science tool box; policies need to be implemented that increase and diversify the time, budget, and training of state park managers and staff so the full range of management actions are considered.

APPENDIX A

SURVEY INSTRUMENT & SURVEY SCHEDULE

1999 State Park Boater Intercept Survey

No. _____

Date: _____		Day: M Tu W Th F Sa Su		Time: 9 10 11 12 1 2 3 4 5 6 7 8 9	
Location: _____		Deer Creek (north) _____		Jordanelle (main) _____	
_____		Deer Creek (south) _____		Jordanelle (pwc) _____	
_____		_____		Willard (north) _____	
_____		_____		Willard (south) _____	
Parking Lot: <input type="checkbox"/> < ¼ full <input type="checkbox"/> ¼ to ½ full <input type="checkbox"/> ½ to ¾ full <input type="checkbox"/> > ¾ full					
Watercraft: 1 Open motorboat 3 Personal watercraft 5 Sail (only) 7 Canoe					
2 Cabin motorboat 4 Auxiliary sail 6 Rowboat 8 Other: _____					
Gender: Male <input type="checkbox"/> Female <input type="checkbox"/> Age: _____ Interview Result: Completed <input type="checkbox"/> Partial <input type="checkbox"/> Refused <input type="checkbox"/>					

1. Where are you from? (city/town, state, country): _____

2. Are you the boat owner or primary operator? ☐ NO ☐ YES

3. About how much fuel did you use today? _____ gallons

4. How many people are in your group today? _____

5. Have you visited [LAKE NAME] before? ☐ YES ☐ NO → [GO TO Q6]

7a. [IF YES] Before **this** year, for how many years have you been coming out to [LAKE]? _____

7b. [IF MORE THAN 1 YEAR] How many times do you come out here in a **typical** year? _____

6. I'm going to read a list of boating activities you may have participated in today. Please tell me which of the activities someone in your group did. [CHECK ALL THAT APPLY]

- | | |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> Water skiing, tubing, or knee boarding | <input type="checkbox"/> Canoeing or kayaking |
| <input type="checkbox"/> Riding on personal watercraft | <input type="checkbox"/> Trolling |
| <input type="checkbox"/> Swimming from a boat | <input type="checkbox"/> Still fishing from a boat |
| <input type="checkbox"/> Sailing | <input type="checkbox"/> Cruising or just driving the boat for fun |
| <input type="checkbox"/> Sightseeing on the lake | <input type="checkbox"/> Other boating activities: _____ |

7. [IF MORE THAN ONE ACTIVITY] Which of these was your **primary** activity? [CIRCLE ABOVE]

8. What was the main reason you decided to come out to [LAKE NAME] today? _____

[PROBE FOR UP TO TWO REASONS]

9. In general, how satisfied were you with your recreation experience here today? Would you say you were: ☐ very satisfied, ☐ satisfied, ☐ neutral, ☐ dissatisfied, or ☐ very dissatisfied?

9a. [IF DISSATISFIED] What were the problems? _____

[PROBE: "Did you have any other problems on the lake today?" or "Anything else?"]

10. Do you feel that the actions of some lake users detract from your enjoyment while you're boating on [LAKE NAME]?

☐ YES ☐ POSSIBLY ☐ NO → [IF NO, GO TO Q11]

10a. In *general*, how often is your enjoyment of [LAKE] reduced by the actions of others? Would you say . . .

- ☐ rarely (by that I mean on *some trips but not on every trip* to the lake),
- ☐ sometimes (once or twice a day), or
- ☐ often (more than twice a day).
- ☐ DK OR NEVER BEEN HERE BEFORE

10b. Which types of activities, actions, or lake users detract from your enjoyment?

[PROBE: "DO ANY OTHER ACTIONS DETRACT FROM YOUR ENJOYMENT?"]

11. In your opinion, do you feel there were too many, too few, or about the right number of boaters on the lake *today*?

☐ TOO MANY ☐ TOO FEW ☐ ABOUT RIGHT

12. In *general*, do you think there is a need to put a limit on the number of boats that can use [LAKE NAME] at one time? Would you say . . .

- ☐ definitely yes,
- ☐ probably yes,
- ☐ probably no, or
- ☐ definitely no.
- ☐ DON'T KNOW

→ Go to Question #14

13. [IF YES TO Q12] Why do you feel that use limits are needed at [LAKE]?

[PROBE UNTIL NO MORE REASONS ARE GIVEN]

14. If you were not able to get on the lake as a result of restrictions on the number of boats *today*, do you think you would have gone boating elsewhere or done something else?

- ☐ BOATING (DEFINITELY) →→→ Where do you think you would have gone boating?
- ☐ BOATING (PROBABLY) →→→ _____
- ☐ SOMETHING ELSE
- ☐ UNSURE
- ☐ NO

15. Do you have any additional comments or recommendations for future management of [LAKE NAME]?

That's the end of the survey—**Thank you very much for your help!**

1999 State Park Boater Intercept Survey

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<div>June 1999</div>						
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30 <u>WILLARD</u> 9-12 South 12-3 North			

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<h1>July 1999</h1>						
				1 <u>JORDANELLE</u> 9-12 PWC 12-3 main	2 <u>DEER CREEK</u> 9-12 Island 12-3 Main	3 <u>EAST CANYON</u> 9-3 Main
4 <u>WILLARD</u> 2-5 South 5-8 North	5 <u>JORDANELLE</u> 2-5 PWC 5-8 Main	6	7 <u>DEER CREEK</u> 2-5 Island 5-8 Main	8 <u>EAST CANYON</u> 9-3 Main	9 <u>WILLARD</u> 9-12 North 12-3 South	10 <u>JORDANELLE</u> 9-12 Main 12-3 PWC
11 <u>DEER CREEK</u> 9-12 Main 12-3 Island	12	13	14 <u>EAST CANYON</u> 9-3 Main	15 <u>WILLARD</u> 2-5 North 5-8 South	16 <u>JORDANELLE</u> 2-5 Main 5-8 PWC	17 <u>DEER CREEK</u> 2-5 Main 5-8 Island
18 <u>EAST CANYON</u> 2-8 Main	19 <u>WILLARD</u> 9-12 South 12-3 North	20	21 <u>JORDANELLE</u> 9-12 PWC 12-3 Main	22 <u>DEER CREEK</u> 9-12 Island 12-3 Main	23 <u>EAST CANYON</u> 9-3 Main	24 <u>WILLARD</u> 2-5 South 5-8 North
25 <u>JORDANELLE</u> 2-5 PWC 5-8 Main	26 <u>DEER CREEK</u> 2-5 Island 5-8 Main	27 <u>EAST CANYON</u> 2-8 Main	28	29 <u>WILLARD</u> 9-12 North 12-3 South	30 <u>JORDANELLE</u> 9-12 Main 12-3 PWC	31 <u>DEER CREEK</u> 9-12 Main 12-3 Island

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<h1>August 1999</h1>						
1 <u>EAST CANYON</u> 9-3 Main	2 <u>WILLARD</u> 1-4 North 4-7 South	3	4 <u>JORDANELLE</u> 1-4 Main 4-7 PWC	5 <u>DEER CREEK</u> 1-4 Main 4-7 Island	6 <u>EAST CANYON</u> 1-7 Main	7 <u>WILLARD</u> 9-12 South 12-3 North
8	9 <u>JORDANELLE</u> 9-12 PWC 12-3 Main	10 <u>DEER CREEK</u> 9-12 Island 12-3 Main	11 <u>EAST CANYON</u> 9-3 Main	12 <u>WILLARD</u> 1-4 South 4-7 North	13	14 <u>JORDANELLE</u> 1-4 PWC 4-7 Main
15 <u>DEER CREEK</u> 1-4 Island 4-7 Main	16 <u>EAST CANYON</u> 1-7 Main	17 <u>WILLARD</u> 9-12 North 12-3 South	18 <u>JORDANELLE</u> 9-12 Main 12-3 PWC	19	20 <u>DEER CREEK</u> 9-12 Main 12-3 Island	21 <u>EAST CANYON</u> 1-7 Main
22 <u>WILLARD</u> 1-4 South 4-7 North	23 <u>JORDANELLE</u> 1-4 PWC 4-7 Main	24	25	26 <u>DEER CREEK</u> 1-4 Island 4-7 Main	27 <u>EAST CANYON</u> 1-7 Main	28
29	30	31				

APPENDIX B
RESPONDENTS' RESIDENCE CITIES

CITY for RESERVOIR = Deer Creek

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Salt Lake City	65	24.2	25.6	25.6
	Orem	28	10.4	11.0	36.6
	Sandy	19	7.1	7.5	44.1
	Provo	17	6.3	6.7	50.8
	Heber	14	5.2	5.5	56.3
	Springville	11	4.1	4.3	60.6
	West Jordan	9	3.3	3.5	64.2
	Pleasant Grove	9	3.3	3.5	67.7
	Draper	9	3.3	3.5	71.3
	South Jordan	6	2.2	2.4	73.6
	Highland	5	1.9	2.0	75.6
	Alpine	5	1.9	2.0	77.6
	Midway	5	1.9	2.0	79.5
	Lehi	5	1.9	2.0	81.5
	Ogden	4	1.5	1.6	83.1
	Lindon	4	1.5	1.6	84.6
	Riverton	3	1.1	1.2	85.8
	Bountiful	2	.7	.8	86.6
	Park City	2	.7	.8	87.4
	Pleasant View	2	.7	.8	88.2
	Salem	2	.7	.8	89.0
	Kearns	2	.7	.8	89.8
	Payson	2	.7	.8	90.6
	Walsburg	2	.7	.8	91.3
	American Fork	2	.7	.8	92.1
	Clearfield	1	.4	.4	92.5
	Toole	1	.4	.4	92.9
	West Valley	1	.4	.4	93.3
	Herriman	1	.4	.4	93.7
	Orange County	1	.4	.4	94.1
	Murray	1	.4	.4	94.5
	Carmel	1	.4	.4	94.9
	Long Beach	1	.4	.4	95.3
	Ventura	1	.4	.4	95.7
	West Point	1	.4	.4	96.1
	Los Angeles	1	.4	.4	96.5
	Elkridge	1	.4	.4	96.9
	Wanship	1	.4	.4	97.2
	Midvale	1	.4	.4	97.6
	Washington DC	1	.4	.4	98.0
	Riverdale	1	.4	.4	98.4
	San Antonio	1	.4	.4	98.8
	Mesa	1	.4	.4	99.2
	Denver	1	.4	.4	99.6
	Tucson	1	.4	.4	100.0
	Total	254	94.4	100.0	
Missing	missing	15	5.6		
Total		269	100.0		

CITY for RESERVOIR = Jordanelle

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Salt Lake City	122	43.1	46.2	46.2
	Park City	28	9.9	10.6	56.8
	Sandy	23	8.1	8.7	65.5
	West Jordan	12	4.2	4.5	70.1
	West Valley	9	3.2	3.4	73.5
	Layton	5	1.8	1.9	75.4
	South Jordan	5	1.8	1.9	77.3
	Provo	5	1.8	1.9	79.2
	Riverton	4	1.4	1.5	80.7
	Taylorsville	3	1.1	1.1	81.8
	Magna	3	1.1	1.1	83.0
	Murray	3	1.1	1.1	84.1
	Los Angeles	3	1.1	1.1	85.2
	Bountiful	2	.7	.8	86.0
	Roy	2	.7	.8	86.7
	Kamas	2	.7	.8	87.5
	Heber	2	.7	.8	88.3
	Draper	2	.7	.8	89.0
	Spanish Fork	2	.7	.8	89.8
	North Ogden	1	.4	.4	90.2
	Ogden	1	.4	.4	90.5
	Springville	1	.4	.4	90.9
	Kaysville	1	.4	.4	91.3
	Corrine	1	.4	.4	91.7
	Stansbury	1	.4	.4	92.0
	Texacanna	1	.4	.4	92.4
	Toole	1	.4	.4	92.8
	Highland	1	.4	.4	93.2
	Kearns	1	.4	.4	93.6
	Brigham City	1	.4	.4	93.9
	Francis	1	.4	.4	94.3
	Midway	1	.4	.4	94.7
	Orange County	1	.4	.4	95.1
	Woods Cross	1	.4	.4	95.5
	Delta	1	.4	.4	95.8
	South Ogden	1	.4	.4	96.2
	Evanston	1	.4	.4	96.6
	Lehi	1	.4	.4	97.0
	Logan	1	.4	.4	97.3
	Boulder	1	.4	.4	97.7
	Boise	1	.4	.4	98.1
	St. George	1	.4	.4	98.5
	Detroit	1	.4	.4	98.9
	San Antonio	1	.4	.4	99.2
	American Fork	1	.4	.4	99.6
	New York	1	.4	.4	100.0
	Total	264	93.3	100.0	
Missing	missing	19	6.7		
Total		283	100.0		

CITY for RESERVOIR = Willard Bay

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ogden	51	18.2	19.8	19.8
	Roy	21	7.5	8.2	28.0
	Layton	20	7.1	7.8	35.8
	Salt Lake City	20	7.1	7.8	43.6
	Brigham City	15	5.4	5.8	49.4
	North Ogden	14	5.0	5.4	54.9
	Clearfield	11	3.9	4.3	59.1
	Bountiful	9	3.2	3.5	62.6
	Pleasant View	8	2.9	3.1	65.8
	Tremonton	8	2.9	3.1	68.9
	Clinton	6	2.1	2.3	71.2
	Willard	5	1.8	1.9	73.2
	Hooper	5	1.8	1.9	75.1
	Kaysville	4	1.4	1.6	76.7
	Taylorsville	4	1.4	1.6	78.2
	West Jordan	4	1.4	1.6	79.8
	West Valley	4	1.4	1.6	81.3
	Centerville	4	1.4	1.6	82.9
	West Point	4	1.4	1.6	84.4
	South Weber	3	1.1	1.2	85.6
	Sandy	3	1.1	1.2	86.8
	Washington Terrace	3	1.1	1.2	87.9
	Plain City	3	1.1	1.2	89.1
	Perry	3	1.1	1.2	90.3
	Magna	2	.7	.8	91.1
	Syracuse	2	.7	.8	91.8
	Harrisville	2	.7	.8	92.6
	West Haven	1	.4	.4	93.0
	Richfield	1	.4	.4	93.4
	Toole	1	.4	.4	93.8
	Kearns	1	.4	.4	94.2
	Orem	1	.4	.4	94.6
	Murray	1	.4	.4	94.9
	South Ogden	1	.4	.4	95.3
	Orlando	1	.4	.4	95.7
	Farr West	1	.4	.4	96.1
	Logan	1	.4	.4	96.5
	St. George	1	.4	.4	96.9
	Houston	1	.4	.4	97.3
	Eden	1	.4	.4	97.7
	Midvale	1	.4	.4	98.1
	North Salt Lake	1	.4	.4	98.4
	Franklin	1	.4	.4	98.8
	Rigby	1	.4	.4	99.2
	Denver	1	.4	.4	99.6
	Las Vegas	1	.4	.4	100.0
	Total	257	91.8	100.0	
Missing	missing	23	8.2		
Total		280	100.0		

CITY for RESERVOIR = East Canyon

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Salt Lake City	77	29.8	34.1	34.1
	Layton	19	7.4	8.4	42.5
	Morgan	18	7.0	8.0	50.4
	Sandy	14	5.4	6.2	56.6
	Ogden	12	4.7	5.3	61.9
	Bountiful	11	4.3	4.9	66.8
	Kaysville	9	3.5	4.0	70.8
	Farmington	7	2.7	3.1	73.9
	Roy	6	2.3	2.7	76.5
	South Jordan	6	2.3	2.7	79.2
	West Valley	6	2.3	2.7	81.9
	Taylorsville	3	1.2	1.3	83.2
	West Jordan	3	1.2	1.3	84.5
	Clinton	2	.8	.9	85.4
	South Weber	2	.8	.9	86.3
	Mountain Green	2	.8	.9	87.2
	Magna	2	.8	.9	88.1
	Toole	2	.8	.9	88.9
	Riverton	2	.8	.9	89.8
	Centerville	2	.8	.9	90.7
	Murray	2	.8	.9	91.6
	South Ogden	2	.8	.9	92.5
	Willard	1	.4	.4	92.9
	Clearfield	1	.4	.4	93.4
	Springville	1	.4	.4	93.8
	Sunset	1	.4	.4	94.2
	Park City	1	.4	.4	94.7
	Kamas	1	.4	.4	95.1
	Stansbury	1	.4	.4	95.6
	Fruit Heights	1	.4	.4	96.0
	Kearns	1	.4	.4	96.5
	Draper	1	.4	.4	96.9
	Woods Cross	1	.4	.4	97.3
	Plain City	1	.4	.4	97.8
	Spanish Fork	1	.4	.4	98.2
	West Point	1	.4	.4	98.7
	Kingwood	1	.4	.4	99.1
	Riverdale	1	.4	.4	99.6
	Abilene	1	.4	.4	100.0
	Total	226	87.6	100.0	
Missing	missing	32	12.4		
Total		258	100.0		

APPENDIX C
ADDITIONAL COMMENTS

CODING OF OPEN-ENDED RESPONSES: ALL FOUR RESERVOIRS [666]

Positive Comments: [161] (24.2%)

General [96] (14.4%)
See improvements [12] (1.8%)
Park staff [10] (1.5%)
Park facilities/services [28] (4.2%)
Lake [11] (1.7%)
Other environment [1] (0.2%)
Other [1] (0.2%)

More/ Improve Facilities/Services: [164] (24.6%)

Beach/swimming areas [16] (2.4%)
Camping/campsites [29] (4.4%)
Restrooms [12] (1.8%)
Ramps/launches/docks/beach landings [96] (14.4%)
Garbage/litter/cleanliness [27] (4.1%)
Parking [7] (1.1%)

Improve Environment: [69] (10.4%)

General [16] (2.4%)
Bugs [39] (5.8%)
Fish/fishing [27] (4.1%)
Other [1] (0.2%)

Improve visitor management/information: [188] (28.2%)

Increase fees [3] (0.5%)
Reduce fees [14] (2.1%)
Non boating regulations
 Alcohol [5] (0.8%)
More park staff/personnel [16] (2.4%)
More visitor information/education [15] (2.3%)
Park/state park hotline (for *limiting use* below)
Separate uses/zoning [17] (2.6%)
No wake areas add/enforce
Increase regulations/restrictions/license
 PWC [38] (5.7%)
 General boating [15] (2.3%)
Increase rule enforcement/patrols/traffic control
 PWC [16] (2.4%)
 General boating [29] (4.4%)
General PWC dislike/negative [18] (2.7%)
General boater negative (rude, inconsiderate, etc.) [4] (0.6%)

Use levels: [42] (6.3%)

Too many people/crowded (general-not boating specific) [2] (0.3%)

Beach crowded [2] (0.3%)

Too many/limit *boaters* [8] (1.2%)

Limit boaters (general) [8] (1.2%)

Limit boaters—can't fish

Congestion at ramps

Lake limits not needed/can handle more [3] (0.5%)

Not happy if turned away due to use limits [18] (2.7%)

If use is limited: [27] (4.1%)

Provide information before trip/hotline (*general* hotline above) [13] (2.0%)

Use odd/even day approach [7] (1.1%)

Allow reservations [6] (0.9%)

CODING OF OPEN-ENDED RESPONSES: DEER CREEK (ISLAND RAMP) [68]

Positive Comments: [21] (30.9%)

General [11] (16.2%)

See improvements [5] (7.4%)

Park staff

Park facilities/services [4] (5.9%)

Lake [1] (1.5%)

Other environment

Other

More/ Improve Facilities/Services: [16] (23.5%)

Beach/swimming areas [1] (1.5%)

Camping/campsites [2] (2.9%)

Restrooms [1] (1.5%)

Ramps/launches/docks/beach landings [9] (13.2%)

Garbage/litter/cleanliness [2] (2.9%)

Parking [1] (1.5%)

Improve Environment: [3] (4.4%)

General

Bugs

Fish/fishing [3] (4.4%)

Other

Improve visitor management/information: [17] (25.0%)

Increase fees [2] (2.9%)

Reduce fees

Non boating regulations

Alcohol [1] (1.5%)

More park staff/personnel [3] (4.4%)

More visitor information/education [2] (2.9%)

Park/state park hotline (for *limiting use* below)

Separate uses/zoning [3] (4.4%)

No wake areas add/enforce

Increase regulations/restrictions/license

PWC [2] (2.9%)

General boating [1] (1.5%)

Increase rule enforcement/patrols/traffic control

PWC [2] (2.9%)

General boating

General PWC dislike/negative

General boater negative (rude, inconsiderate, etc.) [1] (1.5%)

Use levels: [6] (8.8%)

Too many people/crowded (general-not boating specific)

Beach crowded

Too many/limit *boaters*

Limit boaters (general) [3] (4.4%)

Limit boaters—can't fish [1] (1.5%)

Congestion at ramps

Lake limits not needed/can handle more [1] (1.5%)

Not happy if turned away due to use limits [1] (1.5%)

If use is limited: [5] (7.4%)

Provide information before trip/hotline (*general* hotline above) [3] (4.4%)

Use odd/even day approach [1] (1.5%)

Allow reservations

CODING OF OPEN-ENDED RESPONSES: DEER CREEK (MAIN RAMP) [106]

Positive Comments: [30] (28.3%)

General [10] (9.4%)

See improvements [4] (3.8%)

Park staff [2] (1.9%)

Park facilities/services [10] (9.4%)

Lake [4] (3.8%)

Other environment

Other

More/ Improve Facilities/Services: [26] (24.5%)

Beach/swimming areas

Camping/campsites [5] (4.7%)

Restrooms

Ramps/launches/docks/beach landings [16] (15.1%)

Garbage/litter/cleanliness [1] (0.9%)

Parking [4] (3.8%)

Improve Environment: [4] (3.8%)

General

Bugs

Fish/fishing [4] (3.8%)

Other

Improve visitor management/information: [32] (30.2%)

Increase fees

Reduce fees [1] (0.9%)

Non boating regulations

Alcohol

More park staff/personnel [6] (5.7%)

More visitor information/education [1] (0.9%)

Park/state park hotline (for *limiting use* below)

Separate uses/zoning [2] (1.9%)

No wake areas add/enforce

Increase regulations/restrictions/license

PWC [10] (9.4%)

General boating [1] (0.9%)

Increase rule enforcement/patrols/traffic control

PWC [3] (2.8%)

General boating [5] (4.7%)

General PWC dislike/negative [3] (2.8%)

General boater negative (rude, inconsiderate, etc.)

Use levels: [11] (10.4%)

Too many people/crowded (general-not boating specific)

Beach crowded

Too many/limit *boaters*

Limit boaters (general) [3] (2.8%)

Limit boaters-can't fish

Congestion at ramps

Lake limits not needed/can handle more [2] (1.9%)

Not happy if turned away due to use limits [6] (5.7%)

If use is limited: [7] (6.6%)

Provide information before trip/hotline (*general* hotline above) [3] (2.8%)

Use odd/even day approach [3] (2.8%)

Allow reservations [1] (0.9%)

CODING OF OPEN-ENDED RESPONSES: JORDANELLE (MAIN RAMP) [131]

Positive Comments: [29] (22.1%)

General [17] (13.0%)

See improvements [1] (0.8%)

Park staff [1] (0.8%)

Park facilities/services [6] (4.6%)

Lake [3] (2.3%)

Other environment [1] (0.8%)

Other

More/ Improve Facilities/Services: [39] (29.8%)

Beach/swimming areas

Camping/campsites [10] (7.6%)

Restrooms [3] (2.3%)

Ramps/launches/docks/beach landings [23] (17.6%)

Garbage/litter/cleanliness [6] (4.6%)

Parking

Improve Environment: [12] (9.2%)

General [2] (1.5%)

Bugs

Fish/fishing [10] (7.6%)

Other

Improve visitor management/information: [39] (29.8%)

Increase fees

Reduce fees [4] (3.1%)

Non boating regulations

Alcohol

More park staff/personnel [5] (3.8%)

More visitor information/education [4] (3.1%)

Park/state park hotline (for *limiting use* below)

Separate uses/zoning [3] (2.3%)

No wake areas add/enforce

Increase regulations/restrictions/license

PWC [5] (3.8%)

General boating [5] (3.8%)

Increase rule enforcement/patrols/traffic control

PWC [1] (0.8%)

General boating [7] (5.3%)

General PWC dislike/negative [2] (1.5%)

General boater negative (rude, inconsiderate, etc.) [2] (1.5%)

Use levels: [5] (3.8%)

Too many people/crowded (general-not boating specific)

Beach crowded

Too many/limit *boaters*

Limit boaters (general) [1] (0.8%)

Limit boaters—can't fish

Congestion at ramps

Lake limits not needed/can handle more

Not happy if turned away due to use limits [4] (3.1%)

If use is limited: [7] (5.3%)

Provide information before trip/hotline (*general* hotline above) [4] (3.1%)

Use odd/even day approach [2] (1.5%)

Allow reservations [1] (0.8%)

CODING OF OPEN-ENDED RESPONSES: JORDANELLE (PWC RAMP) [46]

Positive Comments: [14] (30.4%)

General [8] (17.3%)

See improvements [1] (2.2%)

Park staff [2] (4.3%)

Park facilities/services [2] (4.3%)

Lake [1] (2.2%)

Other environment

Other

More/ Improve Facilities/Services: [17] (40.0%)

Beach/swimming areas

Camping/campsites [3] (6.5%)

Restrooms

Ramps/launches/docks/beach landings [10] (21.7%)

Garbage/litter/cleanliness [3] (6.5%)

Parking [1] (2.2%)

Improve Environment: [1] (2.2%)

General

Bugs

Fish/fishing [1] (2.2%)

Other

Improve visitor management/information: [11] (23.9%)

Increase fees

Reduce fees [2] (4.3%)

Non boating regulations

Alcohol [1] (2.2%)

More park staff/personnel

More visitor information/education [1] (2.2%)

Park/state park hotline (for *limiting use* below)

Separate uses/zoning

No wake areas add/enforce

Increase regulations/restrictions/license

PWC [1] (2.2%)

General boating [1] (2.2%)

Increase rule enforcement/patrols/traffic control

PWC [2] (4.3%)

General boating [3] (6.5%)

General PWC dislike/negative

General boater negative (rude, inconsiderate, etc.)

Use levels: [4] (8.7%)

Too many people/crowded (general-not boating specific)

Beach crowded

Too many/limit *boaters* [2] (4.3%)

Limit boaters (general)

Limit boaters-can't fish

Congestion at ramps

Lake limits not needed/can handle more

Not happy if turned away due to use limits [2] (4.3%)

If use is limited:

Provide information before trip/hotline (*general* hotline above)

Use odd/even day approach

Allow reservations

CODING OF OPEN-ENDED RESPONSES: WILLARD BAY (NORTH RAMP) [84]

Positive Comments: [12] (14.3%)

General [10] (11.9%)

See improvements

Park staff

Park facilities/services [1] (1.2%)

Lake [1] (1.2%)

Other environment

Other

More/ Improve Facilities/Services: [29] (34.5%)

Beach/swimming areas [3] (3.6%)

Camping/campsites [5] (6.0%)

Restrooms [3] (3.6%)

Ramps/launches/docks/beach landings [14] (16.7%)

Garbage/litter/cleanliness [4] (4.8%)

Parking

Improve Environment: [20] (23.8%)

General

Bugs [19] (22.6%)

Fish/fishing [1] (1.2%)

Other

Improve visitor management/information: [20] (23.8%)

Increase fees

Reduce fees [4] (4.8%)

Non boating regulations

Alcohol

More park staff/personnel

More visitor information/education [1] (1.2%)

Park/state park hotline (for *limiting use* below)

Separate uses/zoning [2] (2.4%)

No wake areas add/enforce

Increase regulations/restrictions/license

PWC [4] (4.8%)

General boating [1] (1.2%)

Increase rule enforcement/patrols/traffic control

PWC [2] (2.4%)

General boating [7] (8.3%)

General PWC dislike/negative [2] (2.4%)

General boater negative (rude, inconsiderate, etc.)

Use levels: [3] (3.6%)

Too many people/crowded (general-not boating specific)

Beach crowded [1] (1.2%)

Too many/limit *boaters*

Limit boaters (general)

Limit boaters-can't fish

Congestion at ramps

Lake limits not needed/can handle more

Not happy if turned away due to use limits [2] (2.4%)

If use is limited: [0] (0.0%)

Provide information before trip/hotline (*general* hotline above)

Use odd/even day approach

Allow reservations

CODING OF OPEN-ENDED RESPONSES: WILLARD BAY (SOUTH RAMP) [94]

Positive Comments: [19] (20.2%)

General [13] (13.8%)

See improvements

Park staff [1] (1.1%)

Park facilities/services [4] (4.3%)

Lake [1] (1.1%)

Other environment

Other

More/ Improve Facilities/Services: [26] (27.7%)

Beach/swimming areas [7] (7.4%)

Camping/campsites [2] (2.1%)

Restrooms [3] (3.2%)

Ramps/launches/docks/beach landings [6] (6.4%)

Garbage/litter/cleanliness [7] (7.4%)

Parking [1] (1.1%)

Improve Environment: [22] (23.4%)

General

Bugs [20] (21.3%)

Fish/fishing [2] (2.1%)

Other

Improve visitor management/information: [24] (25.5%)

Increase fees [1] (1.1%)

Reduce fees

Non boating regulations

Alcohol [2] (2.1%)

More park staff/personnel [2] (2.1%)

More visitor information/education [4] (4.3%)

Park/state park hotline (for *limiting use* below)

Separate uses/zoning [1] (1.1%)

No wake areas add/enforce

Increase regulations/restrictions/license

PWC [4] (4.3%)

General boating [5] (5.3%)

Increase rule enforcement/patrols/traffic control

PWC [1] (1.1%)

General boating [1] (1.1%)

General PWC dislike/negative [2] (2.1%)

General boater negative (rude, inconsiderate, etc.) [1] (1.1%)

Use levels: [2] (2.1%)

Too many people/crowded (general-not boating specific)

Beach crowded [1] (1.1%)

Too many/limit *boaters*

Limit boaters (general) [1] (1.1%)

Limit boaters—can't fish

Congestion at ramps

Lake limits not needed/can handle more

Not happy if turned away due to use limits

If use is limited: [1] (1.1%)

Provide information before trip/hotline (*general* hotline above) [1] (1.1%)

Use odd/even day approach

Allow reservations

CODING OF OPEN-ENDED RESPONSES: EAST CANYON [137]

Positive Comments: [36] (26.3%)

General [27] (19.7%)

See improvements [1] (0.7%)

Park staff [4] (2.9%)

Park facilities/services [3] (2.2%)

Lake

Other environment

Other [1] (0.7%)

More/ Improve Facilities/Services: [31] (22.6%)

Beach/swimming areas [5] (3.6%)

Camping/campsites [2] (1.5%)

Restrooms [2] (1.5%)

Ramps/launches/docks/beach landings [18] (13.1%)

Garbage/litter/cleanliness [4] (2.9%)

Parking

Improve Environment: [7] (5.1%)

General

Bugs

Fish/fishing [6] (4.4%)

Other [1] (0.7%)

Improve visitor management/information: [45] (32.8%)

Increase fees

Reduce fees [3] (2.2%)

Non boating regulations

Alcohol [1] (0.7%)

More park staff/personnel

More visitor information/education [2] (1.5%)

Park/state park hotline (for *limiting use* below)

Separate uses/zoning [6] (4.4%)

No wake areas add/enforce

Increase regulations/restrictions/license

PWC [12] (8.8%)

General boating [1] (0.7%)

Increase rule enforcement/patrols/traffic control

PWC [5] (3.6%)

General boating [6] (4.4%)

General PWC dislike/negative [9] (6.7%)

General boater negative (rude, inconsiderate, etc.)

Use levels: [11] (8.0%)

Too many people/crowded (general-not boating specific) [2] (1.5%)

Beach crowded

Too many/limit *boaters* [6] (4.4%)

Limit boaters (general)

Limit boaters-can't fish

Congestion at ramps

Lake limits not needed/can handle more

Not happy if turned away due to use limits [3] (2.2%)

If use is limited: [7] (5.1%)

Provide information before trip/hotline (*general* hotline above) [2] (1.5%)

Use odd/even day approach [1] (0.7%)

Allow reservations [4] (2.9%)

1 **1999 STATE PARK BOATER INTERCEPT SURVEY**
2 **Additional Comments or Recommendations for Future Management**

3 **DEER CREEK RESERVOIR**

4 **[ISLAND RAMP]**

- 5 (1702003) More traffic instructions at put-ins and take-outs.
- 6 (1702004) Ramp position not too good. Causes bottleneck.
- 7 (1702006) Pretty good.
- 8 (1702010) Things look good. Facilities look great!! Docks great!!
- 9 (1702011) Unfriendly people on ramp putting in.
- 10 (1702013) No regulations. Deer Creek is nice.
- 11 (1702015) More sandy beach areas. Spread recreation around the whole area.
- 12 (1702016) Stop renting wave runners. They are irresponsible and give other PWCers a bad
13 reputation. Require PWC users to have license.
- 14 (1702019) More beach areas and restrooms. Would be willing to pay more for more
15 facilities.
- 16 (1702021) Better than anything in Denver.
- 17 (1702022) Plant more fish, mainly trout.
- 18 (1702023) Like to see public moorings and overnight docking.
- 19 (1702025) It would be a good idea to have more campsites.
- 20
- 21 (1707001) Would like to see the DWR do a total Bass release policy. Had a decent trip.
- 22 (1707003) Was quite impressed, the extra docks are nice.
- 23
- 24 (1707004) Nice place. Possibly give out some emergency and Rangers' contact numbers
25 while entering the park.
- 26 (1707007) Need more garbage cans closer to the picnicking areas.

- 1 (1711012) Parks does a pretty good job. Need more trout.
- 2 (1711013) Facilities are real nice.
- 3 (1711014) Let us keep perch.
- 4 (1711015) Facilities are great. Needs to be education for boat users. Let people know the
5 laws.
6 Question 14- Would not be happy if we got turned away because of restrictions.
- 7 (1711016) Water can handle more boats than parking lot. Should be more parking for boat
8 trailers.
- 9 (1711017) Limit number of PWC, shouldn't be more than 30.
- 10 (1711018) Deer Creek has been great with improvements, done a nice job here.
- 11 (1711019) Put out some floating docks. Need overnight docks and camping.
- 12 (1711020) Like the beach and picnic areas.
- 13 (1711021) More people needed for patrolling on the lake. Need more floating docks.
14 Improvements have been great!!
- 15 (1711023) Place was great!!
- 16 (1711025) If they put a limit at the lake, they need to inform the people somehow.
- 17 (1722008) Nice day today.
- 18 (1722009) Had fun.
- 19 (1722011) Satisfied.
- 20 (1722012) Please limit boats.
- 21 (1731001) Limit number of boats.
- 22 (1731004) Would pay extra to see more rangers patrolling.
- 23 (1731005) Great place.
- 24 (1805001) On weekends would like to see more rangers on the water.

- 1 (1805002) Better bumpers on docks.
- 2 (1805003) Keep up the good work like how the money is being spent.
- 3 (1805005) Make sure they limit water craft and not autos. Park looks great. Maybe a smaller
4 fee for just autos.
- 5 (1805006) You're doing a good job.
- 6 (1805008) Doing a good job like the upgrades.
- 7 (1805010) Would like to see odd/even days for restrictions.
- 8 (1805011) Park is nicer than a few years ago.
- 9 (1805012) Need more trash cans closer to eating areas. Didn't boat long because of bad
10 weather.
- 11 (1805014) Would like alcohol restrictions at park. Don't like to restrict certain areas to
12 motorboats but just limit numbers in areas, like sandy beach areas.
- 13 (1805016) Get rid of rocks on beaches and make more sandy beaches.
- 14 (1815025) Designate separate areas of the lake for separate uses.
- 15 (1815028) Pretty good.
- 16 (1815030) Need overnight slips.
- 17 (1815031) Users need to take a test before being allowed on the water. To operate a boat you
18 should need a license.
- 19 (1815032) The problem with PWCs are inexperienced users.
- 20 (1820002) Control safety better. Need someone on the water all the time. PWC users are
21 careless.
- 22 (1820003) Use to live in Arizona, parks get crowded there and unenjoyable. Utah needs to
23 limit and let the public know when they do.
- 24 (1820008) Open all bays to ski in. Get boaters to boat in one direction around the lake.
25 Designate lake areas to certain use.
- 26 (1826012) Need a parks capacity hotline.

- 1 (1826013) Doing a good job with improvements. Never fish here because of crowds.
- 2 (1826014) Need a beachable area that is all sandy.
- 3 [MAIN RAMP]
- 4 (1707009) Need to get a snack bar and more camping on the south side.
- 5 (1707010) Fix up lower ramp on south side. Could use a lower entrance fee, only pay for
6 boats and not automobiles.
- 7 (1711002) Plant more trout. It's the slowest fishing in years.
- 8 (1711003) Need to have greater enforcement of rules. For example, no dogs.
- 9 (1711006) Need bigger docks.
- 10 (1711007) If there is a use limit, then it should be a limit by odd and even days.
- 11 (1711008) Put boat limits on the lake.
- 12 (1711009) Decrease bag limits on trout.
- 13 (1711010) Parks does a good job. Parks could watch the lake more. Increase patrolling on the
14 lake.
- 15 (1717002) Access to fuel from lake.
- 16 (1717003) Limit the number of users.
- 17 (1717005) Doing a good job. Super ramp.
- 18 (1717006) Pleased.
- 19 (1717007) Restrict PWCs to a certain area. Someone is going to get hurt.
- 20 (1717008) More beach facilities would be nice.
- 21 (1717010) Nice to have additional overflow parking. Nice ranger.
- 22 (1717011) Nice place and it's well run.
- 23 (1717012) Need more dock space.
- 24 (1717015) Plant more rainbows.

- 1 (1717016) Ramp need some repairs. Need more motorboat docks.
- 2 (1717017) Watch lake more.
- 3 (1717018) Would be nice to know the number of users and capacity in advance.
- 4 (1717019) Like to see separate ramp for PWC, more like Jordanelle.
- 5 (1717021) If turned away because of restrictions, I would have been angry.
- 6 (1717022) Get rid of Perch limit.
- 7 (1717023) Was disappointed that Rainbow Bay was closed even though no one was working.
8 I didn't like the general attitude of employees. The ranger was not pleasant!! (Paul
9 Dixon for one.) Ramps need work. Like the lake, for the most part.
- 10 (1717025) Satisfied with park.
- 11 (1717030) Nice place. Number of PWCs should be limited.
- 12 (1717032) Don't like south side marina because it's too dirty.
- 13 (1717033) More parking. More picnic benches.
- 14 (1717035) I want to keep Perch. I got hit by a PWC today.
- 15 (1717037) Need to make the lake more available to sailboats. Too much motorboat and PWC
16 use. I wouldn't be happy if I couldn't have gotten on the lake today because of
17 restrictions.
- 18 (1717038) I hate PWC. Provide more parking.
- 19 (1717039) Like the park a lot. It's very clean and the facilities are great.
- 20 (1717041) Really like reservoir. Good management and nice people all around. Best lake in
21 Utah.
- 22 (1717042) More parking.
- 23 (1717043) Like beach. Provide more picnic sites. You need more wakeless buoys. People
24 just don't obey wakeless areas.
- 25 (1717044) Like the facilities.

- 1 (1722001) Doing a really good job at both marinas.
- 2 (1722002) Wish Rangers would watch the lake more.
3 If turned away from restrictions, then I would be upset.
- 4 (1722003) Fix base of ramp at the south marina.
- 5 (1722004) Good lake.
- 6 (1722005) Doing good with improvements.
- 7 (1726001) Place limits before there are too many boaters. The weekends are too crowded.
- 8 (1726002) Like the lake a lot.
- 9 (1726003) Like the park.
- 10 (1726004) Need more launches and space. People don't know how to launch motorboats.
11 Like new facilities and improvements. Would have been angry if turned away
12 because of restrictions.
- 13 (1726005) Like to see rangers on the water more. Only a few careless users make the
14 experience bad.
- 15 (1726006) It's been 11 years since I've been out. Ramp needs some repair.
- 16 (1726009) Feel PWC detract from experience and hamper lake conservation efforts.
- 17 (1731008) The improvements are great.
- 18 (1731011) Taking good care of lake. Would like to see more patrols on lake.
- 19 (1731012) More law enforcement.
- 20 (1731013) Control PWC.
- 21 (1731014) Restrict PWC. Allow more camping around lake. Open up all channels to boating.
- 22 (1731017) Great lake.
- 23 (1731019) Launch ramp and facilities really nice.
- 24 (1731020) Place is fine. Nice beaches.

- 1 (1731022) Repair south marina ramp.
- 2 (1731024) Need more launching space.
- 3 (1731025) Need to designate areas for types of recreation. Fishers pay more tax than water
4 skiers.
- 5 (1731028) They should not limit lake!!
- 6 (1731029) Be good to have launch reservations. Campers should get guaranteed access.
- 7 (1731030) Need more dock space.
- 8 (1805018) Nice facilities.
- 9 (1805021) Need gas station on water.
- 10 (1805023) Like the docks. Makes it better.
- 11 (1805024) Need a concessions stand.
- 12 (1810001) Make sure the public is informed of limits before they come to the lake.
- 13 (1810002) Need an education program for water skiers, PWC, and boat use. Like being able
14 to get in the lake anytime, leave entrance gates open. Enforce the rules on lakes.
15 Give a sheet of the rules and restrictions at the entrance gate.
- 16 (1810003) Doing a good job here.
- 17 (1810004) Get rid of the Park Pass cards, give out car stickers instead.
- 18 (1810006) Like Deer Creek, always have. Good place to take the kids.
- 19 (1810008) Designate skiing and fishing days. Hate PWC. Parks does a good job managing.
20 Real nice facilities.
- 21 (1810009) Had a hard time finding picnic tables.
- 22 (1810011) State Park facilities are nice, good job.
- 23 (1815001) Channels should be wakeless.
- 24 (1815001) Need to license all water craft users to drive water craft. Patrol the lake more,
25 never see laws enforced. Rentals are horrible.

- 1 (1815002) Pretty good.
- 2 (1815003) Need more dock space on Sailboat Beach.
- 3 (1815007) Need more beach area at the south marina.
- 4 (1815008) Good to see improvements.
- 5 (1815015) Get rid of PWC. Traffic gets too heavy on boat ramp. Need ranger to help with
6 traffic. Enforce people to clean-up.
- 7 (1815019) Facilities are really nice.
- 8 (1815022) Need to extend wakeless area by launch. Need more wakeless. When you tie up
9 motorboat the wakes beat the motorboat up.
- 10 (1815023) Government shouldn't restrict anything.
- 11 (1820009) Need a lake hotline to find out if lake is restricted. Love the lake, it's clean and
12 beautiful.
- 13 (1820010) Run very well, had an enjoyable time.
- 14 (1820011) Just want to have odd and even days.
- 15 (1820013) Need a store at the south marina.
- 16 (1820014) Would like to be able to buy fuel on the lake. Like new docks. Need more space
17 like at the Island. Need to enforce boat prepping before launch.
- 18 (1820016) Leave good enough alone.
- 19 (1820018) Management should be done by science and not politics.
- 20 (1820019) Odd and even days are no good for people from out of town. Need trees in
21 camping areas.
- 22 (1826002) Like the new improvements.
- 23 (1826004) Doing a good job here. Need to police PWC more.
- 24 (1826005) Good facilities here.
- 25 (1826006) The sailboat dry dock area is run very bad!! The grounds are not taken care of,

price for docking has gone up and quality went down.

(1826007) Good day! The water was clean, it is far from restrictions today.

JORDANELLE RESERVOIR

MAIN RAMP

(3701002) All boat owners should be licensed with minimum age of 16 years old. The younger users are not supervised.

(3701003) Permanent ski buoys. On busy days, have more traffic control. Paint traffic lanes on ramp. Provide beachable area.

(3701004) More law enforcement officers. Write more tickets on water patrol.

(3701006) Good to see patrolmen out on lake. Provide state classes on boat safety.

(3701009) More drinking water availability at sites. Provide better spacing of bathrooms. Take out thistles around lake. Clean up area.

(3705003) People take too long on the boat ramp. Park needs ramp traffic control. Shouldn't have a use limit. Maybe make more beachable areas.
Question 14- Would like to have someone tell you what lake isn't full!

(3705004) Keep up the good work!!

(3705005) Parks is doing a wonderful job. It's a nice lake.

(3705006) Smaller bays need no wake buoys. Bays should be used more for fishing.

(3705007) Need sand on beach areas.

(3705008) I am pro boats and anti PWC. Could use some more dry storage. Great facilities and docks. In all ways the lake has been great.

(3705009) Great small mouth fishery.

(3705011) Things are handled well, better than some lakes. Lake camps area much better.

(3705012) Cut down the jet skiers. Afraid to put granddaughter in tube because of PWCs. Camp grounds are nice.

(3705013) Didn't see a ranger today. There needs to be more patrolling.

- 1 (3705015) We will come out here next time.
- 2 (3705016) Need stricter PWC laws, they don't watch out.
- 3 (3705017) Build another launch ramp. Reduce the film prices in gift shop. Need aluminum
4 recycling!!
- 5 (3705018) Need another boat ramp.
- 6 (3705019) Everyone should shop at Marine Productions boat shop!!
- 7 (3705024) Hand out list of rules at gate as people come in on the do's and don'ts. Clear
8 Swallows out of picnic areas.
- 9 (3705026) The water is cold.
- 10 (3705027) Very nice facilities. Could use another dock.
- 11 (3705028) Just having restrictions would be good.
- 12 (3710004) Need sand beach access for boats to beach on shore. No access for boats!!
- 13 (3710005) Restrictions can be sad. Boaters seem to not know the rules in wakeless areas
14 well. Ramp could use traffic lanes to help people stay in area. Like this place,
15 parking, ramp, etc.
- 16 (3710006) Dedicate certain area of the lake.
- 17 (3710007) Pretty good, all lakes get crowded.
- 18 (3710008) Need more fish.
- 19 (3710009) Really should have a loading and unloading area on the motorboat ramp. Docks
20 are too small.
- 21 (3710010) Need to get an area to prepare the boats. Section off the launch and loading areas
22 on the ramp.
23 Question 9- Boaters where real rude, that why we are leaving now (early).
- 24 (3710011) Need to get better signs to the Motorboat ramp. Move back signs with bigger
25 arrow indications to the boat ramp and not the marina.
26 Question 10- We have a fast boat, with a closing speed at 100mph, and we're safe,
27 but people are not ready for it.

- 1 (3710013) Keep up the good work. Rocky beaches need to be more sandy. Can't bring or
2 beach boats without hitting rocks.
3 Question 8- Price is right for senior citizens.
- 4 (3710015) Keep it up! Nice place for multiple use. Like the bike trails.
- 5 (3710016) Would be nice to section off lake into separate water recreation. It is pricey to get
6 in here.
- 7 (3710017) Need to have more docks and bigger docks near ramp.
- 8 (3710020) Check lights in restrooms. Need more trash cans by pavilion. Open gate earlier,
9 someone should be there earlier, or make drop pay box with more information.
10 Need better access to walk in camp site. Need more dry docks at a cheaper price.
11 Question 10- Usually here early and leave early.
- 12 (3710021) Need more boat docks, not nearly the right number of docks that are needed.
- 13 (3710023) Swell lake! Lady at the front gate was very slow.
- 14 (3710024) Need more beach, areas where boats can beach. Create more beach areas, maybe
15 would take some boats of the water if you had more beach.
- 16 (3710026) Need strict guidelines for PWC operators, maybe all boat owners and users should
17 be licensed with age limits. Get more Largemouth Bass!!
- 18 (3710027) People need to know more about boat distance safety. Complained earlier about
19 users.
- 20 (3716004) Like Jordanelle's facilities. on't like the slip rentals process. Nice experience.
- 21 (3716006) Good place, maybe have more drive-in tent camping.
- 22 (3716008) Keep up the good work.
- 23 (3716010) Everybody needs to be educated on rules. Should have to take a written exam to
24 get a user license.
- 25 (3716012) Like the facilities here.
- 26 (3716013) Lake could use some floating docks. Need more public beach areas.
- 27 (3716014) Would be nice to have day use areas away from marina.

- 1 (3716017) A motorboat count hotline would be good.
- 2 (3716018) Need more people in water patrolling.
- 3 (3716019) Wonder why no one is out on patrol.
- 4 (3716021) In the past the gas pumps at the lake didn't work.
- 5 (3716022) Facilities are great.
- 6 Question 12- If lake is restricted you should be able to reserve use on the lake.
- 7 (3721002) Very satisfied.
- 8 (3721003) Doing a pretty good job here.
- 9 (3721004) We like the lake.
- 10 (3721005) Would like to see the boat docks extended.
- 11 (3721006) Wish that there was more fish.
- 12 (3721007) Jordanelle needs someone to enforce laws.
- 13 (3721008) Stock more fish.
- 14 (3725016) Great facilities here.
- 15 (3725017) Nice to have the information on where to go is park is closed.
- 16 (3725018) Would not come back if there were restrictions. Nice facilities and ramp.
- 17 (3725019) In the past, it has been busy. Need dump station for camp trailers.
- 18 (3725020) Should be a conditions hotline to find out about the lake before you come.
- 19 (3725021) Feel it's the most watched lake in the state.
- 20 (3725023) Rangers need to enforce PWC wakeless rules. Renters are not educated well.
- 21 Need a sign that gives rules for PWC use.
- 22 (3725025) Going to have to control traffic at marina. Marina needs to be larger.
- 23 (3725026) Had a great time.

- 1 (3725027) Need more beachable areas. Too many water hazards.
- 2 (3725028) Bigger motorboat launch.
- 3 (3725031) Need more picnic areas throughout lake. Floating docks offshore.
- 4 (3725033) Make it easier to rent campsites.
- 5 (3725034) Jordanelle is not much of a fishing lake, only a motorboat/PWC lake.
- 6 (3725035) If limits happens, park needs a conditions/capacity hotline.
- 7 (3725036) Fine people who speed in wakeless zones. People should be educated before they
8 can operate boats.
- 9 (3725037) Can get dangerous in main channel.
- 10 (3725038) Get rid of rocks on beaches.
- 11 (3725039) Be careful of over-development because it detracts from the natural beauty.
12 Speeding boats by wakeless areas is detracting.
- 13 (3725041) Would have been angry if turned away because of restrictions.
- 14 (3725042) Wind sucks. More picnic areas around lake.
- 15 (3725043) Things are improving as far as boater awareness. Doing a good job. Manager goes
16 out of his way to make the experience more enjoyable.
- 17 (3725044) Gas is expensive.
- 18 (3730001) Need some sandy beaches. With beaches, lake would be perfect. Need to give
19 rainchecks on boat rentals.
- 20 (3730002) People need to be careful of shore lines. Lake can get dirty and polluted. Need to
21 find ways of controlling liter.
- 22 (3730004) Plant some fish.
- 23 (3730005) Slip area needs breakers. Trashes motorboats when people boat by.
- 24 (3730006) Doing a good job. Nice place to come.
- 25 (3730007) Need more patrol boats on water. More women.

- 1 (3730010) Like park. Nice place.
- 2 (3809002) Like the facilities. Jordanelle is at a nice location. Park needs to section off
3 recreation use at the lake.
- 4 (3809004) Question 14- Would be angry if was turned away because of use restrictions.
- 5 (3809005) Park needs more overnight slips, and more organization with slips. Should have
6 "pump-out".
- 7 (3809008) Keep doing the Bass catch and release. Weekends get crazy here.
- 8 (3809011) Park is going a good job. State Parks is doing great everywhere.
- 9 (3809013) A possibility to need limits in the future.
- 10 (3809015) Jordanelle is managed great. Restrooms are very dirty.
11 Question 13- Need restrictions so the lake doesn't get like Pineview.
- 12 (3814020) Doing a nice job with the park.
- 13 (3814022) Park needs someone to direct traffic on launch ramp, make launching quick.
- 14 (3814025) Enjoy the lake, it has nice facilities, ramps and docks.
- 15 (3814026) Need larger docks at motor boat launch.
- 16 (3814027) Like to see parks put docks here like Deer Creek's. Grass would be nice.
- 17 (3814028) Should have odd and even days for restrictions. Decrease the limit numbers. Only
18 say one Ranger all day.
- 19 (3814030) Like Jordanelle.
- 20 (3814031) Happy with the Park.
- 21 (3814032) Need more beachable areas to dock water craft.
- 22 (3814033) Keep PWC's and Tuber's out of coves.
- 23 (3814035) Love Jordanelle for camping and boating, have company picnics here. Lake is
24 well organized. Need more markers on launch ramp.
- 25 (3814036) Make users take a courtesy class.

- 1 (3814037) Like it here.
- 2 (3814038) Jordanelle is a beautiful place.
- 3 (3814039) PWC's should be restricted in the coves. You can't limit people from enjoying the
4 lake.
- 5 (3814040) The restrooms were closed this morning, should be open 24 hours.
- 6 (3814041) Need restrictions and more organization on motor boat launch. Nice lake, the
7 facilities are nice.
- 8 (3814042) Were satisfied with the lake.
- 9 (3818002) Park is doing great, but the fishing's bad.
- 10 (3818003) Glad to see catch and release regulations. Rangers don't patrol the lake enough,
11 laws are never enforced. They never check for fishing license or check motor
12 boats.
- 13 (3818005) Need to do more speed enforcement around the picnic areas.
- 14 (3818006) Park needs another R.V. dump station.
- 15 (3825004) Remind people not to litter when they come into the park.
- 16 (3825005) Need to have odd and even days for certain recreational use, or restrict areas to
17 certain use.
- 18 (3825006) There is a lot of trash near the launch.
- 19 (3825007) Lake is very nice.
- 20 (3825010) It's pretty good.
- 21 (3825011) Park needs more beach area. We payed for a clean campground, but it was not
22 clean. It should have been clean.
- 23 (3825013) Monitor the Ranger's radio channels. We tried radio for help today and no one
24 replied.
- 25 (3825014) It can get very crowded here, so we go to Rockport on busy days. Came today
26 because it is easy to launch and load here.

- 1 (3825016) Nice place.
- 2 (3825017) Very satisfied with the facilities and everything.
- 3 (3825018) Impressed.
- 4 (3823003) The Rangers need to patrol the water more, also need to enforce the launching
5 and docking laws. Every trip someone is breaking the laws.
- 6 (3823004) The trout fishing stinks.
- 7 (3823005) The store needs to be open more often.
- 8 (3823007) Need to be able to pay for camping at a separate gate than boaters. Anyone who
9 drives a boat needs to go through a course. A lot of boaters don't know boat
10 safety.
- 11 (3823008) Park does a pretty good job, nice and fun lake. When it gets busy rangers need to
12 direct ramp traffic.
- 13 (3823010) Need new or extra dock space.
- 14 (3823011) The park needs more trees.
- 15 (3823012) All the State Parks need more landscaping and trees.
- 16 (3823018) Doing a good job. Would like to see camping areas near the beaches.
- 17 (3823020) Don't know much about Jordanelle. They need more access roads and shore space
18 for fishing.
- 19 (3823022) Park is well ran. Give a map for campers as they come into the park. Make getting
20 into the park quicker, need a Jordanelle sign and not a Hailstone sign.
- 21 **[PWC RAMP]**
- 22 (3705029) Lake is nice and clean. They do a nice job.
- 23 (3705031) Great today, everything was good.
- 24 (3705033) Water level and everything was great. Don't like trailer parking here, would like
25 parking by the picnic area.
- 26 (3705034) Let us on the lake next time.

- 1 (3705036) Good facilities and a great place. Why do you have rocks on the beach? Need
2 more sand.
- 3 (3705037) Utah State Park services SUCKS!! Don't block off shore ramps. Facilities are
4 nice. Need camping close to the bank, CAN'T GET TO THE BANK!!!
- 5 (3705039) Management of the reservoir was much better this year. Would like to see a trail
6 down to the Cove pavilion.
- 7 (3705041) Patrol people in the parking lots. People park automobiles where trailers should
8 be. PWC launch is being used by motorboats, it should be watched.
- 9 (3705043) Need more beach area and access around the whole lake.
- 10 (3705044) Need to have cheaper entrance fee.
11 Question 14- Never would come back if was restricted, it would be B.S..
- 12 (3710001) Day use fishing shouldn't have to be charged \$5.
- 13 (3710002) Rangers are nice and accommodating.
- 14 (3710003) Need more garbage cans. Place (lake) is fine.
- 15 (3716001) Plant more fish.
- 16 (3725002) Need more sandy beaches.
- 17 (3725003) Need to have different rocks around lake. Coarse rocks causes damage.
- 18 (3725005) More PWC docking areas and better docks.
- 19 (3725009) Water program is good.
- 20 (3725010) Get more sandy beaches.
- 21 (3725012) Picnic areas need to be greener and watered more. Like that there are separate
22 swimming areas.
- 23 (3725014) Need better beaches.
- 24 (3730013) Was nice.
- 25 (3730014) My favorite place. State park employees were great.

- 1 (3814002) Need a better dock on the PWC launch.
- 2 (3814003) The lake is overcrowded. There is a lot of debris in the water. Rangers don't
3 enforce the laws effectively. Need sand on the beaches.
- 4 (3814004) Need to check PWC insurance at the front gate. Park needs to ticket under aged
5 drivers. Need to put sand at the campsites.
- 6 (3814005) Like coming to Jordanelle, nice area. Keep up the good work.
- 7 (3814008) Like the lake, it has super facilities. Keep it up!!
- 8 (3814012) Were generally happy.
- 9 (3814013) Would like to see more lakes with facilities like Jordanelle.
- 10 (3814015) PWC users need to pass a boating course.
- 11 (3814018) Rangers need to watch the PWC users, have not seen rules enforced.
- 12 (3814019) Day use area is great, but needs more swimming area. Need to enforce drinking
13 laws. The litter in the park needs to be cleaned up.
- 14 (3818010) It's pretty good here.
- 15 (3818011) It's pretty nice.
- 16 (3818012) Make more user friendly beach areas. Need more dispersed picnic areas.
- 17 (3825001) Doing a good job.
- 18 (3825002) Park needs more handicap access.
- 19 (3823001) Park does a pretty good job. It would be O.K. to be turned away on restricted
20 days, there are enough lake to go to. Jordanelle is our favorite.
- 21 (3823002) Need to clear out shrubs along the shore, always snagging lures. People need to
22 be screened before they can operated water craft. Needs to be more patrol.

WILLARD BAY

[NORTH RAMP]

- 1
2 (5630002) On busy days, need traffic direction and someone to keep ramp activities flowing
3 and keep order.
4
- 5 (5630004) Keeping fish and water quality good is a good use of fees.
- 6 (5630005) Take care of the bugs. No restrictions.
- 7 (5630006) Reduce entrance fee.
- 8 (5704001) Need patrol on beach areas
- 9 (5704002) Need more boat launches and beach areas that are spread out.
- 10 (5704003) We always have a good time. We like feeling that we are not watched too much.
- 11 (5704005) The beach is dirty. It needs to be cleaned. (Cigarette butts)
- 12 (5704006) Spray the bugs.
- 13 (5704007) Satisfied with the management plan.
- 14 (5704009) Divide beach area for swimming and boaters.
- 15 (5704010) Instruct renters more on wake restrictions.
- 16 (5704011) Spray for bugs.
- 17 (5704012) Spray for bugs.
- 18 (5704015) Too many rocks on beach.
- 19 (5704016) Additional north boat ramp. More camping facilities.
- 20 (5709010) Spray the bugs. They are really bad.
- 21 (5709011) Need to make more of a beach area.
- 22 (5709014) Spray for bugs more often. It is the only detractor from Willard Bay.
- 23 (5709017) The state parks and recreation have done a good job.

- 1 (5715014) On busy days you need someone monitoring boat ramp.
- 2 (5715015) Camp prices are too high. In the past we have made a camp reservation and
3 couldn't get into the camp ground area. Need better communication with the main
4 offices.
- 5 (5715017) Make a bypass road to pelican beach. Looking forward to the addition of camp
6 sites.
- 7 (5715019) In the past the bugs have been bad. Should have a phone number to inform if the
8 lake is full and ok for boaters.
- 9 (5715020) Need to spray for bugs. Willard bay is a nice place to go.
- 10 (5715021) Need to improve boat slips.
- 11 (5715022) The rocks at beachable areas ruin the lake. We love Willard Bay. Don't ruin this
12 one as did others.
- 13 (5715023) It is a pretty nice place.
- 14 (5715024) Spray for bugs (flies). We like the lake.
- 15 (5715026) Need to make landing ramp larger.
- 16 (5715028) Need more patrol on the water. Need more information available.
- 17 (5715029) Need to spray for bugs more often.
- 18 (5817001) Camping areas needs to be improved.
- 19 (5719008) Doing a great job. Keep the gangs off the beach. Large groups need to be
20 monitored more.
- 21 (5719009) Everything is nice. Weeds need to be cleaned up.
- 22 (5719010) Keep it up.
- 23 (5719011) We love Willard Bay.
- 24 (5719014) Should have a mechanic shop.
- 25 (5719018) Pretty satisfied.

- 1 (5724035) Need more launch space.
- 2 (5724036) In past, facilities closed after fee collection.
- 3 (5724037) Shouldn't have to pay for launch, taxes should cover it. On multiple days,
4 shouldn't have to pay for every day.
- 5 (5724038) Need more lakes in Utah.
- 6 (5724040) Spray for bugs.
- 7 (5724041) Facilities are nice except for restrooms. Put sidewalk around recreation area.
8 Limits on PWC would be nice.
- 9 (5724042) Want to camp in day-use areas where you can walk to water. Don't need
10 restrictions on numbers of motorboats. Educate PWC users. Would sell our
11 motorboat if there were restrictions at Willard.
- 12 (5724045) Too many people with motorboats. Too many people using beach. Section PWC
13 to an area where there is a good beach. Need to be aware of PWC.
- 14 (5724046) Need to have strict rules for PWC.
- 15 (5724047) Have someone patrol picnic area, people drink too much.
- 16 (5724048) Keep up the good work. Like sandy beach.
- 17 (5724049) Enlarge north side beach area because the beach is overcrowded.
- 18 (5724050) Develop beach better with more area. Spray bugs.
- 19 (5802001) Good dock now. Ramp is OK for today.
- 20 (5802002) Launch ramp needs more room or another ramp. Park is well kept at the north
21 marina.
- 22 (5802007) Spray for bugs.
- 23 (5802008) Spray for bugs.
- 24 (5802010) Need to section PWC users to a certain area on the lake.
- 25 (5812019) Need a ski shop and a convenient store.

- 1 (5812020) Need a bigger and better beach.
- 2 (5812026) Spray bugs.
- 3 (5812028) The South marina needs improvement.
- 4 (5812031) All boaters should be required to have a boaters certification.
- 5 (5822020) Doing a good job here.
- 6 (5822021) Spray bugs.
- 7 (5822022) Enjoyed the lake.
- 8 (5822023) No swimming on near docks needs to be enforced.
- 9 (5822025) Need to improve launch area. Need someone to direct traffic (too congested on
10 boat ramp).
- 11 (5822026) Need another beach area. Spray bugs, and more overnight camping.
- 12 (5822027) Need to water the grass, spray the bugs, and clean up the shore.
- 13 (5822028) PWC's should be required to take a boat safety course.
- 14 (5822030) PWC's need to be more cautious on the water.
- 15 (5822031) The lake needs to be patrolled more often.
- 16 (5822033) Spray the bugs.
- 17 (5822034) Need to add new campsites, and a larger launch.
- 18 (5822035) Need more of a beach area. Spray the bugs.
- 19 (5822037) Satisfied with the multiple-use idea on the lake.
- 20 (5822038) Enjoyed Willard Bay
- 21 (5822041) Satisfied with current management plan.
- 22 (5822042) Restrooms need some maintenance.
- 23 (5822043) Satisfied with current management plan.

- 1 (5822044) Need to make more overnight camping available, clean restrooms.
- 2 (5822045) Rangers need to patrol campgrounds. Need to clean up and create more camp
3 sites. Need more parking. Grass areas need to be made available for camping.
4 Need to open camping again along marina. Taxes for MB shouldn't be more than
5 an automobile. Should be able to call Willard for reservations.
- 6 (5824001) Satisfied with the lake. PWS's are loud and cause pollution.
7 Quest. 12. Usually get off the lake early.
- 8 (5824002) PWC users do not know rules and regulations.
- 9 (5824003) Need more overnight slips.
- 10 [SOUTH RAMP]
- 11 (5630007) Vegetation around lake. Clean things up.
- 12 (5630009) Education about boating laws.
- 13 (5630010) Bug control. Clean up a little.
- 14 (5630015) Fix up restroom – soap, paper towels.
- 15 (5630016) Too many bugs. Continue to allow PWC.
- 16 (5704013) People should be required to take a boat course from the state. PWC course. Need
17 beach areas on the south side away from the main crowd.
- 18 (5704014) Control the bugs. Restrooms are dirty.
- 19 (5704017) More water patrol.
- 20 (5704018) Fishing is really good. Keep it up DWR!!
- 21 (5704019) Parking needs to be increased.
- 22 (5704020) Spray bugs better!! Upgrade south marina. Plant more Walleye.
- 23 (5704022) Clean it up!
- 24 (5704023) Spray bugs.
- 25 (5704029) Like the areas that have three ramps. Also like the parking.

- 1 (5709002) Satisfied with management plan.
- 2 (5709005) Keep spraying for bugs. Possibly set up a beach area that is different with more
3 open space.
- 4 (5709007) Need to spray for bugs. Need to accept golden age passes.
- 5 (5709008) Green up the grass at the North marina. We like it, it is a nice place.
- 6 (5715001) Need to have credit from entry fee when nobody is at the booth. (Summer pass)
- 7 (5715002) We like the new dock and campsite.
- 8 (5715003) Overall, we are happy about the lake, but spray for bugs.
- 9 (5715004) Doing a great job with management. It is great on the weekdays.
- 10 (5715005) Don't like to see too many PWC's.
- 11 (5715006) We don't come out on weekends, we come out on mon. through thurs.
- 12 (5715007) Loading areas need to be cleaned up.
- 13 (5715009) Facilities here are going "down hill".
- 14 (5715010) It is pretty nice here. Enjoyable.
- 15 (5715011) Need better people at the gate.
- 16 (5719001) Clean up South Marina (on and off shore). Marker buoy on South-west end is not
17 in place, danger hazard.
- 18 (5719005) It is a great place.
- 19 (5719006) It would be nice to have more beach areas on the South end. Picnic areas on the
20 South end need to be taken better care of.
- 21 (5719007) Need to have a no motor boat areas that can be reached by seniors. There is only
22 shore fishing.
- 23 (5724003) People need to know how to boat before they can boat. Need to separate lake for
24 experienced and inexperienced boaters.
- 25 (5724004) Need to improve the south marina facilities.

- 1 (5724005) Users need to be educated better. People are boating unsafely. Willard has a lot of
2 water hazards.
- 3 (5724006) Lake is safe and better than Pineview.
- 4 (5724007) Spray for bugs more frequently. Willing to pay higher fee to spray.
- 5 (5724008) Need some shade on south end.
- 6 (5724012) Spray the bugs. Need green grass at south marina.
- 7 (5724014) Need to patrol water better. A lot of people drink on the water. Better restroom
8 facilities.
- 9 (5724015) If motorboats are limited, people need to have a way to be informed.
- 10 (5724016) Everything is fine. Spray for bugs at night.
- 11 (5724017) Need more beachable areas. Need to educate PWC users.
- 12 (5724018) Need more beach areas.
- 13 (5724022) So far, it's been good. PWC get a little inconsiderate.
- 14 (5724023) Should cut down on the numbers allowed on the beach.
- 15 (5724024) Satisfied.
- 16 (5724025) Need to regulate age of PWC users. Young users don't know regulations.
- 17 (5724026) Need more Walleye. Need to use F&W funds in stocking fish.
- 18 (5802014) Clean up the lake.
- 19 (5802015) Most the time, things get over-managed.
- 20 (5802016) If they stop camping, they'll need more rental slips; but they need more
21 campsites. Turn the whole south ramp area into one ramp.
- 22 (5802018) Spray bugs.
- 23 (5802019) Gas station at south marina along with mechanic's shop.
- 24 (5812001) Spray the bugs.

- 1 (5812002) Everyone should be required to take a boater safety course. People under 16
2 should not be allowed to operated a PWC. Need more MB pump-outs. Every lake
3 should have a waste facility for MB.
- 4 (5812003) I like Willard. I have a season's permit.
- 5 (5812004) Everything is good.
- 6 (5812005) Satisfied with current management plan.
- 7 (5812006) Doing good job. Bugs are bad.
- 8 (5812008) The restrooms are poor.
- 9 (5812012) Need more beach area.
- 10 (5812013) Doing a good job. Need more of a shoreline.
- 11 (5812014) Things are good.
- 12 (5817003) Have done a great job.
- 13 (5817005) South marina needs improvement. Fix up facilities on South end.
- 14 (5817007) Staff was very helpful with the grou with MB on the lake.
- 15 (5817009) Should limit PWC to certain areas.
- 16 (5817010) Spray bugs, and outlaw PWC users.
- 17 (5822002) Happy with the lake.
- 18 (5822004) Satisfied with everything. Need clean water on South marina.
- 19 (5822006) Spray for bugs. Need supplies store at South marina.
- 20 (5822007) People need to be educated. Need to clean up South marina.
- 21 (5822010) Spray for bugs.
- 22 (5822013) Beach areas needs an improvement.
- 23 (5822014) Spray for bugs.

- 1 (5822016) Spray for bugs.
- 2 (5824005) Need someone to direct traffic on busy days. Need more beach areas on South
3 marina. Boat access only on beach areas.
- 4 (5824008) Concerned about water quality on South Marina.
- 5 (5824009) Need a sign to indicate slick ramp.
- 6 (5824010) Would like to see restrictions, and license requirements.
- 7 (5824011) Skiers need to be more courteous.
- 8 (5824013) Fun lake, has a reputation for partying.
- 9 (5824014) Spray the bugs. Ramps can get slick, needs to be re-grooved.

EAST CANYON RESERVOIR

- 10
- 11 (7703002) Good job here! Need to patrol more.
- 12 (7703008) Plant more fish. Monitor jet skiers. Shouldn't be any restrictions.
- 13 (7703010) Need ramp on south side. Widen ramps.
- 14 (7703011) People in toll booth need to be here earlier.
- 15 (7703012) Cut down on morning waterskiing time. Bigger dock, more area.
- 16 (7703014) Need southern ramp. Rent jet skis for less money.
- 17 (7703015) PWCs take too long to unload and load. Seems to be lack of awareness on the part
18 of PWC users. Limit jet skis not boats.
- 19 (7703016) Start a reservation system. Can get too many people if you build a south ramp so
20 it would be smart to have limits!!
- 21 (7703018) Big problem with PWC is that renters are not educated enough.
- 22 (7703019) Keep PWC away from boats and fishing. Always cutting line behind boat.
- 23 (7703020) Too much trash along shore on beachable areas.

- 1 (7703021) Need to use ranger boat!! More patrolling!! Only seen ranger boat out twice since
2 May.
- 3 (7703022) Think that there should be separate lake for PWC and one for boaters.
- 4 (7708001) Enjoy coming up during the week.
- 5 (7708002) The tar on the ramp is horrible, it tracks tar on equipment. Like the grass area at
6 East Canyon, but need more grass areas.
- 7 (7708003) Park does a pretty good job.
- 8 (7708009) Need a bigger boat ramp in case of emergencies, only 2 can load at a time, can
9 cause a bottleneck.
- 10 (7708011) It would be nice to have lake use reservations if restrictions are implemented.
11 Ask the users to boat counter clockwise around the lake.
- 12 (7708012) Pick an area for waverunners away from good fishing areas. Split up recreation
13 areas!! Slips need rubber bumpers on sides to protect boats.
14 Question 14- Would be unhappy if was turned away because of restrictions.
- 15 (7708014) Need more beach area along the lake.
- 16 (7708015) There can be a lot of boats and it can get rough. Pretty good little lake.
- 17 (7708016) Do a good job here.
- 18 (7708017) Good area, but needs some sand on the beaches.
- 19 (7708018) Spray the weeds and water the lawn. It's been nicer in past years. Clean after the
20 birds in the pavilions.
- 21 (7714001) It's just fine the way it is.
- 22 (7714002) Snack bar needs to be run better, they need to have coffee ready before 8:00am.
23 Question 12- Never have seen it too crowded.
- 24 (7714003) Like the lake, but a "Wendy's" would be nice.
25 Question 14- If we got turned away, would have been really pissed off!
- 26 (7714004) Park needs a boat launch on the other end of the lake.
- 27 (7714005) Had a pretty good experience. Maybe have restrictions on weekends.

- 1 (7714007) Park does a great job.
- 2 (7714011) Pretty nice facilities, they've gone a good job for the size of the lake.
- 3 (7718001) Doing a pretty good job.
- 4 (7718002) Need a bigger ramp. Stock more fish.
- 5 (7718008) It would be nice to have a hotline to know the capacities on the lake. The day was
6 perfect.
7 Question 14- Would have been angry if we got turned away because of
8 restrictions.
- 9 (7718009) Rangers need to patrol and enforce rules more. Park needs more shore day use
10 areas.
- 11 (7718010) East Canyon is better than most lakes.
- 12 (7718011) Would like to have a hotline to know what is going on with the lake and lake
13 conditions.
- 14 (7718012) There should be some type of motor boat education course required to use water
15 craft. 150ft. rule needs to be enforced. Need a State Park hotline.
- 16 (7718013) The service here is very nice. If PWC's need liability insurance than so do motor
17 boats.
- 18 (7718014) State Parks needs more recreation lakes. East Canyon is a nice lake. Need a State
19 Park hotline.
- 20 (7718016) Had a good experience.
- 21 (7718017) Was happy with experience. Would like more lakeside camping.
- 22 (7718018) Watch PWC's closer. Need to ticket more often.
- 23 (7718020) If there is restrictions, then they need to have reservations for boating. Like the
24 shoreline grass areas.
- 25 (7718021) Doing a good job. Nice lake and a good marina. I'll be back.
- 26 (7718022) Need trash cans at pavilions. Clean up the picnic areas.

- 1 (7718023) Good day.
- 2 (7718024) Need to have a ranger on the lake at all times. We are not coming back. Park has
3 nice facilities. Should put numbers limit on users.
- 4 (7718025) One of the Rangers was bad and rude. PWC's should be limited to certain days.
- 5 (7718026) Maybe consider a PWC ramp. Need better motor boat ramp organization.
6 Question 14- Would be upset if turned away, should have a hotline.
- 7 (7718028) PWC users SUCK!!!
- 8 (7718029) Everything was great. Size of the lake to the use numbers gets scary.
- 9 (7718030) Ranger overuse their authority, they were ridiculous. We won't be back because
10 of Rangers.
- 11 (7718031) Rental's need to get more instruction on rules and use.
- 12 (7718032) The facilities are nice/great. Park is much improved. Nice staff.
- 13 (7718033) Happy with the lake as is.
- 14 (7718033) Get rid of the rocks by the dock. Need to have docks outside the no wake zone.
- 15 (7718034) Park is pretty well managed.
- 16 (7718035) Limit the number of PWC here, or get users licenced.
- 17 (7718037) Need more and bigger docks, it is hard for bigger motor boats to dock. Like the
18 facilities here. A lot of people drink and drive water craft, need to patrol more.
19 Question 13- They should put notification of capacity at the base of the canyons.
- 20 (7718038) In the summer camping quiet time should be at 11:00pm.
- 21 (7718039) Should have another motor boat ramp on the other end of the lake.
- 22 (7718040) The Rangers need to be more efficient at checking motor boats, they held up the
23 line.
- 24 (7718041) Need a bigger boat ramp and also one at the other end.
- 25 (7718046) Usually the Rangers watch the lake pretty good, almost too good. Doing a good
26 job.

- 1 (7718047) Love it here. They need more safety.
- 2 (7723002) When PWC get on, we get off. Would have been angry if we were not able to get
3 on lake because of restricitons.
- 4 (7723003) Limit boat use. First come, first serve. No reservations.
- 5 (7723006) Keep up the good work. Facilities are great.
- 6 (7723013) Get rid of PWC!! Maybe only on even days.
- 7 (7723014) Make a larger motorboat ramp.
- 8 (7723016) Managed pretty good.
- 9 (7723017) Doing a good job. Park has come a long way.
- 10 (7723018) PWC renters are not instructed well. Have had close calls in the past. They need
11 more instructions!!
- 12 (7723019) Too many PWC, about the right number of motorboats.
- 13 (7723020) Managed pretty good.
- 14 (7723021) Maybe section off lake for motorboats and PWC. Rangers shouldn't be so strict.
15 Hard to stay 150' at all times.
- 16 (7723023) Like grill, facilities, shop.
- 17 (7723024) Really enjoy the facilities. Picnic areas, restrooms, running water.
- 18 (7723025) Maybe restrict PWC on busy days. Wish PWC users knew rules. Need more
19 rangers on the water.
- 20 (7727003) Post a list of boating rules and regulations.
- 21 (7727006) Liked floating docks near beaches. Need to put out floating docks. Impressed with
22 how well the docks work in Idaho.
- 23 (7727007) Feel that East Canyon should be strictly for fishing.
- 24 (7727008) Need to fix docks and put them in deeper water. Need one dock along side launch
25 to make loading easier.

- 1 (7727010) Launch ramp is dangerous and needs work.
- 2 (7727011) East Canyon is really taken care of.
- 3 (7703002) Good job here! Need to patrol more.
- 4 (7801001) Lake is pretty nice. I come early to avoid crowds.
- 5 (7801003) Can get too restrictive with quiet hours at campgrounds.
- 6 (7801004) East Canyon would be a good lake to restrict boat size. For example, in Ohio big
7 boats (larger than 21') are restricted in small lakes. East Canyon too small for big
8 boats.
- 9 (7801005) Plant fish. Need to patrol PWC. Too many PWC.
- 10 (7801006) People would not come as much if they knew there were restrictions. Need to
11 make boat/time restrictions.
- 12 (7801007) Lower entrance fees.
- 13 (7801008) PWC should be limited to certain areas in lake. Need to put in a traffic pattern on
14 lake (counterclockwise). Today was a great day.
- 15 (7801010) Plant some trees. Place restrooms closer to campsites.
- 16 (7801011) No Wake zone on south end is too big. Camping on south end was nice.
- 17 (7801014) If restrictions, should be PWC, they don't pay attention. Maybe section lake.
- 18 (7806001) Nice lake.
- 19 (7806003) The restrooms are terrible, need better maintenance.
- 20 (7806004) Need camp power and water hook-ups, also need shad at camps.
- 21 (7806005) Like that East Canyon is not well known.
- 22 (7806008) Need a ramp on the south side. Need more sand on beach area.
- 23 (7806010) Need a launch at the south end.
- 24 (7806013) Restrict PWC's!!! There should be no alcohol on the lake.

- 1 (7806016) East Canyon is a good place to go, it's always clean.
- 2 (7806017) Park is managed very well.
- 3 (7806018) Plant some fish. Need more campground, with some being first come-first serve.
4 Have never seen it too crowded.
- 5 (7807001) It should be O.K. to sleep in your motor boat in the parking lot if your not
6 camping. Need a ramp on the south side.
- 7 (7807004) Get rid of the PWC's, they are dangerous, we always have close calls with
8 PWC's. Should restrict the areas PWC's can be used, enforce age limits. It's a
9 great lake.
- 10 (7807005) Lake is kept up very nice, very friendly.
- 11 (7807007) Need more camping spots and full hook-ups.
- 12 (7807008) Restrict PWC!!! PWCs tend to follow way too close, they are dangerous.
- 13 (7807010) Restrict PWC.
- 14 (7807012) Need shade at the campgrounds.
- 15 (7807013) We enjoy the lake.
- 16 (7807015) We have a good time here. Weekends are not as enjoyable.
- 17 (7807018) Park is managed well.
- 18 (7807020) If there is limits, make sure it's a large limit.
- 19 (7807021) East Canyon is a nice lake, it's kept clean.
- 20 (7807022) The facilities are nice, now. Like that you can have open fires. The Rangers are
21 nice. Casey is nice and wonderful.
- 22 (7807024) NEED A RANGER ON THE LAKE!!! If ranger was on the lake it would be
23 much safer!! Facilities are nice. Restrict PWC, only allow motor boats on the
24 lake.
- 25 (7807026) The State should designate lakes for fishing, PWC, and motor boats. The park
26 Rangers do a good job.

- 1 (7807027) East Canyon is a good lake.
- 2 (7811002) Remodel campground restroom showers. This is the only lake we come to. Like
3 the lake, it's not well known.
- 4 (7811004) Limit PWC's time on the lake, giving the mornings and evenings to fishers. Park
5 does a really nice job around here, A-plus.
- 6 (7811007) The facilities are nice. Like it when the Rangers are out on the lake. Need to
7 have a posting of the basic boating rules.
- 8 (7811008) Park is run pretty good.
- 9 (7811009) Get PWC off the lake.
- 10 (7811012) Need a wider boat ramp or more boat ramps.
- 11 (7811013) Enjoy the lake, it's awesome.
- 12 (7816001) If there is restrictions, would like to have some public feedback.
- 13 (7816002) PWC should be restricted.
- 14 (7816003) Parks needs to get a handle on PWC.
- 15 (7816004) If there is restrictions, then they should make odd and even days. Keep up the
16 good work.
- 17 (7816006) Everything was fine.
- 18 (7821006) When the water is low the walk from the dock gets slippery.
- 19 (7821008) Need a launch on the south end. Good service here, really above average on
20 facilities and service.
21 Question 14- If was turned away because of restriction the we wouldn't come
22 back.
- 23 (7821009) Liked how friendly the Ranger were.
- 24 (7821010) It's too expensive, cut back on employees and cut fees.
- 25 (7821011) Hope to see some improvements at the south end's campground.
- 26 (7821014) The fishery needs improvement.

- 1 (7821018) The facilities are great, but the grounds need some work.
- 2 (7827003) Need to have crowd control, especially with rentals.
- 3 (7827004) We like East Canyon real well. It needs more trees in camp area.
- 4 (7827005) It's a good place and has good food.
- 5 (7827006) Park is well managed. Regularly see Rangers on the lake.

