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CALIFORNIA STATE UNIVERSITY, CHICO**

**LAKE BERRYESSA  
MARKET AREA SURVEY**

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## **INTRODUCTION**

### **Lake Berryessa Market Area Survey**

#### **Purpose and Objectives**

The California State University, Chico Survey Research Center designed and implemented a Lake Berryessa market area survey for the Bureau of Reclamation. This survey was designed to 1) identify water-based recreation participation patterns of people living within 100 miles or a 2 hour driving radius of the lake (the Lake Berryessa market area); 2) identify how recreation users evaluate their favorite water-based outdoor recreation location; 3) identify facility and service demands for flatwater recreation; 4) identify constraints and advantages of Lake Berryessa in meeting market demand; 5) identify recreation expenditure patterns; and 6) identify demographics. Interviews with 1001 residents of the Lake Berryessa market area were conducted by telephone between April 28, 1996 and June 5, 1996.

#### **Background**

Lake Berryessa has seven lake shore concession operated resorts and several day use facilities operated by Reclamation. These concessions, day use areas, 167 miles of shoreline, and almost 30,000 acres of water and terrestrial estate are administered by Reclamation. There is very little demographic data and there has been no Commercial Services Planning for Berryessa. In preparation for future concession and day use facilities modification management, market and economic analyses are needed to help identify economically feasible commercial facility and service alternatives for which the user public is willing to pay. The first step in this process is a market area survey.

#### **Survey Development**

The survey (Appendix A) was developed after a review of existing data collection tools and two focus group meetings. The focus groups were divided into the current Lake Berryessa Concessionaires and a random selection of current Lake Berryessa recreation users. Appendix B is a listing of findings from the two focus groups. The survey was pre-tested by the Survey Research Center using a portion of the random sample. Appropriate adjustments were made in question order and wording to facilitate a smooth and accurate telephone survey.

#### **Sample**

A geographically proportionate random sample of telephone numbers from the 16 California counties in the Lake Berryessa market area was purchased from Survey Sampling, Inc. The sample counties included: Alameda, Colusa, Contra Costa, Lake, Marin, Mendocino, Napa, Sacramento, San Francisco, San Joaquin, San Mateo, Solano, Sonoma, Sutter, Yolo and Yuba.

To be an eligible sample member for the survey, a respondent must have participated in outdoor recreation within the past five years. To determine eligibility each respondent was asked if he/she participated in outdoor recreation during the past 12 months. If he/she had not, then they were asked if they had participated in outdoor recreation during the past five years. Those who had participated in outdoor recreation during the past 12 months or five years were then asked if that included water-based outdoor recreation. Eligible respondents were then grouped according to their recreation participation. This generated five groups of respondents: Groups 1, 2, and 3 participated in outdoor recreation during the past 12 months. Group 1 participated in water-based recreation during the past 12 months; group 2 did not participate in water-based recreation during the past 12 months, but did participate in water-based recreation during the past 5 years. Group 3 did not participate in water-based recreation during the past 12 months or during the past 5 years. Groups 4 and 5 participated in outdoor recreation during the past 5 years, but not during the past 12 months. Group 4 participated in water-based recreation during the past 5 years, while group 5 did not participate in water-based recreation during the past 5 years. Only questions relevant to a particular group's current or past recreation experiences were asked. A count was kept of households where no one 18 years of age or older participated in any recreation during either the past 12 months, or the past 5 years. Appendix C contains the Production Report for the telephone survey. It includes part of this introduction, a summary of calling outcomes, and the level of effort expended to obtain the eventual 1001 completed interviews.

**Respondent Groupings**

The 1001 respondents included 829 who had participated in outdoor recreation in the past 12 months. The other 172 had participated during past five years (Chart one).

<b>CHART 1</b>			
<b>OUTDOOR RECREATION PARTICIPATION 12 MONTH / 5 YEAR</b>			
	<b>Past 12 months</b>	<b>Past 5 years</b>	<b>Total</b>
<b>Participation</b>	<b>829</b>	<b>172</b>	<b>1001</b>

The 829 who had participated during the past 12 month included 656 who had participated in outdoor recreation activities on or near water during that 12 months with an additional 116 participating on or near water within the past five years (Chart two).

<b>CHART 2</b>				
<b>OUTDOOR RECREATION PARTICIPATION ON OR NEAR WATER FOR 12 MONTH OUTDOOR RECREATION GROUP</b>				
	<b>Past 12 months</b>	<b>Past 5 years</b>	<b>No water</b>	<b>Total</b>
<b>Participation</b>	<b>656</b>	<b>116</b>	<b>57</b>	<b>829</b>

The 172 in the past five year outdoor recreation participation group included 111 who had participated in outdoor recreation activities on or near water during that five year period (Chart three). Thus, of the 1001 outdoor recreation respondents, 883 had participated in activities on or near water within the past five years while only 118 had not

<b>CHART 3</b>			
<b>OUTDOOR RECREATION PARTICIPATION ON OR NEAR WATER 5 YEAR OUTDOOR RECREATION GROUP</b>			
	<b>Past 5 years</b>	<b>No water</b>	<b>Total</b>
<b>Participation</b>	<b>111</b>	<b>61</b>	<b>172</b>

### **SURVEY RESULTS AND DISCUSSION**

#### **Respondents Who have Been To Lake Berryessa**

Of the 883 who had participated in activities on or near water within the past five years, 506 had been to Lake Berryessa sometime during their lives while 374 had not and three did not know. 178 of the 506 (35.2%) plan to return to Lake Berryessa within the next two years.

<b>CHART 4</b>				
<b>BEEN TO LAKE BERRYESSA / PLAN TO RETURN</b>				
<b>Participants</b>	<b>Been</b>	<b>% Been</b>	<b>Plan to Return</b>	<b>% Plan to Return</b>
<b>880*</b>	<b>506</b>	<b>57.5%</b>	<b>178</b>	<b>35.2%</b>

\* Three of the 883 outdoor recreation participants on or near water did not know if they had been to Lake Berryessa.

Chart five provides information on respondents who had participated in outdoor recreation in the past 12 months broken down by the outdoor recreation activities included in the survey. Column one is the activity. Column two is the number of respondents who had participated in that activity in the past 12 months who also had been to Lake Berryessa sometime during their lives. Column three is the number who plan to return to Lake Berryessa within the next two years. Column four converts the number planning to return within the next two years to a percentage based upon column two.

### CHART 5

#### OUTDOOR RECREATION PARTICIPATION PAST 12 MONTH GROUP BY ACTIVITY

ACTIVITY	NUMBER OF PARTICIPANTS	RETURN WITHIN 2 YRS	PERCENT RETURN
Picnicking	362	134	37.0
Beach Activities	275	98	35.6
Hiking/Backpack	265	101	38.1
Swimming(not home pool)	249	110	44.2
Camping	244	104	42.6
Nature Activities	244	84	34.4
Tennis/Golf/Volleyball	219	85	38.8
Mountain/Road Biking	214	80	37.3
Boating(non-fish)	196	75	38.3
Fishing	162	72	44.4
Boat When Camping	95	54	56.8
Off-Roading (Motorized)	68	37	54.4
Horseback Riding	40	18	45.0

- An extensive breakdown by activity and plan to return within the next two years is contained in Appendix E.

Respondents who participated in boating activities other than fishing and or camping in the past 12 months and have ever been to Lake Berryessa were asked some follow-up questions about those activities. The 187 positive respondents to boating activities other than fishing were asked to provide the particular boating activity (Chart Six). The three most popular activities were water skiing 58 (31%), kayaking/rowing 53 (28%), and jet skiing/wave running 27(14%). When compared to the 35.4% overall plan to return within two years rate or the 38.5% plan to return rate for boaters, two of these activities , water skiing 27 of 58 (46.6%) and jet skiing 16 of 27 (59.3%) are well above that average figure and probably deserve further study. Wind surfing and house boating/pontoon boating are also well above the average plan to return rate, but the numbers be may too small to deserve further study at this time.

**CHART 6**

**BOATING ACTIVITY  
(OTHER THAN FISHING)**

<u>Type of Boating</u>	<u>Plan to return to Lake Berryessa within the next two years</u>				
	<u>Yes</u>	<u>No</u>	<u>Maybe</u>	<u>Total</u>	<u>% Return</u>
Power	6	10	7	23	26.1
Sailing	3	14	1	18	16.7
Skating	27	23	8	58	46.6
Kayak/Row	16	26	11	53	30.2
House/Pontoon	3	2	1	6	50.0
Jet/Wave run	16	8	3	27	59.3
Wind surfing	1	0	1	2	50.0
<b>Total</b>	72	83	32	187	38.5

The 241 respondents who have camped at Lake Berryessa were asked their usual type of camping (Chart Seven). 171 of the 241 (71%) usually tent camp. 80 of the 171 (46.8%) tent campers reported they plan to return to Lake Berryessa within the next two years. Since the preponderance of the campers are tent campers, and 46.8% plan to return, this area deserves further study.

**CHART 7**

**USUAL TYPE OF CAMPING**

<u>Type of Camping</u>	<u>Plan to return to Lake Berryessa within the next two years</u>				
	<u>Yes</u>	<u>No</u>	<u>Maybe</u>	<u>Total</u>	<u>% Return</u>
Other	4	1	5	10	40.0
Pickup w/shell	4	9	2	15	26.7
Pickup self-contained	0	4	0	4	00.0
Motor Home	7	9	2	18	38.9
Pop-up Trailer	3	3	2	8	37.5
Trailer self-contained	6	5	4	15	40.0
<b>Tent</b>	<b>80</b>	<b>62</b>	<b>29</b>	<b>171</b>	<b>46.8</b>
<b>Total</b>	104	93	44	241	43.2

Chart 8 a look at length of stay by the different type of campers is also of interest. The majority of camping trips are three days or less. The information on this chart when combined with Chart 13, "Spending by Number of Trips", and Chart 14, "Spending by Length of Stay", provides some valuable guidance to target marketing.

**CHART 8**

**LENGTH OF STAY FOR USUAL TYPE OF CAMPING**

<u>Type of Camping</u>	<u>Length of Stay</u>				
	<u>1 Day</u>	<u>2 Days</u>	<u>3 Days</u>	<u>4 Days</u>	<u>5 Days</u>
Other	3	2	4	1	1
Pickup w/shell	3	6	5	4	4
Pickup self-contained	0	3	4	2	0
Motor Home	2	7	11	2	7
Pop-up Trailer	1	2	2	4	1
Trailer self-contained	5	3	5	0	6
<b>Tent</b>	<b>69</b>	<b>77</b>	<b>66</b>	<b>22</b>	<b>18</b>
<b>Total</b>	<b>83</b>	<b>100</b>	<b>97</b>	<b>35</b>	<b>37</b>

Part of any further study on campers should be campsite characteristics they find important. The 244 respondents who have participated in outdoor recreation in the past 12 months, have been to Lake Berryessa sometime during their lives, and went camping as one of those activities were asked to rate how important they considered some campsite characteristics (Chart Nine). Clearly the most important characteristic was being on or near the water.

**CHART 9**

**IMPORTANCE OF CAMPSITE CHARACTERISTICS**

<u>Characteristic</u>	<u>Importance</u>		
	<u>Very %</u>	<u>Some %</u>	<u>Not %</u>
<u>Near Water</u>	52.0	37.3	10.7
<u>Near Restrooms</u>	44.3	35.2	20.5
<u>Flush Toilets</u>	38.5	32.4	29.1
<u>Waste Dump Station</u>	33.9	25.9	40.7
<u>Hot Showers</u>	33.2	34	32.8
<u>Full Hookups</u>	33.3	35.2	31.5



The 375 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, were asked how often they took outdoor recreation trips to areas on or near water during the past 12 months. Chart Ten displays their responses grouped by number of trips and their plans to return to Lake Berryessa within the next two years. Since it is easier to get current visitors to increase their amount of participation than it is to get new visitors, two of these groups (the 1 to 4 trip group at a 27.7% return rate and the 10 to 14 trip group at a 29.3% return rate) deserve some further study. These two are the only groups below the 36.3% overall return rate. Of possible greater importance may be the combination of the 15 to 24 trip group and the 25 and above trip group. These very regular outdoor recreation participants represent 39.7% of the 136 respondents planning to return to Lake Berryessa within the next two years. The fact that they make 15 or more outdoor recreation per year makes them an important target market group to encourage to keep coming to Lake Berryessa.

**CHART 10**

**NUMBER OF WATER BASED OUTDOOR RECREATION TRIPS**

<u>Number of Trips</u>	<u>Plan to return to Lake Berryessa within the next two years</u>				
	<u>Yes</u>	<u>No</u>	<u>Maybe</u>	<u>Total</u>	<u>% Return</u>
1-4 Trips	23	36	24	83	27.7
5-9 Trips	35	38	9	82	42.7
10-14 Trips	24	47	11	82	29.3
15-24 Trips	25	16	12	53	47.2
25+ Trips	29	36	10	75	38.7
<u>Total</u>	136	173	66	375	36.3

371 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, were asked the number of days they stayed when they went on an outdoor recreation trip to areas on or near water (Chart 11). Though the one-day group was the largest (138 of the 371 for 37.2%), only 41 of those 138 (29.7%) plan to return to Lake Berryessa within the next two years. This may be due to reasons hard to control (distance, time of travel) or it may be something controllable (number of picnic sites, accessible beach areas). This, an area that may be expandable, may deserve further study. An important finding of this question is the two-day, three-day and four-day length of stay groups represent a combined 53.1% of the 371 respondents (197 of 371). Their 40.0%, 42.9% and 53.6% plan to return to Lake Berryessa rate represents an apparent satisfaction with their visits. Further study of current two, three and four day user groups as to their reasons for such strong loyalty to Lake Berryessa could be used to keep them satisfied and market to non-user in this segment or other current user market segments.

**CHART 11**

**NUMBER OF DAYS PER OUTDOOR RECREATION TRIP  
TO LOCATIONS ON OR NEAR WATER**

<u>Number of Days</u>	<u>Plan to return to Lake Berryessa within the next two years</u>				
	<u>Yes</u>	<u>No</u>	<u>Maybe</u>	<u>Total</u>	<u>% Return</u>
1 Day	41	69	28	138	29.7
2 Days	34	37	14	85	40.0
3 Days	36	35	13	84	42.9
4 Days	15	11	2	28	53.6
5 Days	9	18	9	36	25.0
<u>Total</u>	135	170	66	371	36.4

361 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, were asked the amount of money they spent when they went on an outdoor recreation trip to areas on or near water (Chart 12). 129 of the 361 (35.7%) spent over \$100 per trip. Sixty of the 129 (46.5%) plan to return to Lake Berryessa within the next two years

**CHART 12**

**AMOUNT OF MONEY SPENT PER OUTDOOR RECREATION TRIP  
TO LOCATIONS ON OR NEAR WATER**

<u>Amount of Money</u>	<u>Plan to return to Lake Berryessa within the next two years</u>				
	<u>Yes</u>	<u>No</u>	<u>Maybe</u>	<u>Total</u>	<u>% Return</u>
\$0 - \$9	17	38	17	72	23.6
\$10 - \$19	10	19	2	31	32.3
\$20 - \$29	15	18	8	41	36.6
\$30 - \$49	14	14	5	33	42.4
\$50 - \$99	15	26	14	55	27.3
\$100 - \$199	33	20	11	64	51.6
\$200 +	27	29	9	65	41.5
<u>Total</u>	131	164	66	361	36.3

Chart 13 is a breakdown of the amount of money spent per outdoor recreation trip by the number of outdoor recreation trips taken per year. Chart 14 is a breakdown of amount of money spent per outdoor recreation trip by the number of days per trip. These two charts combined with data on Chart 8, "Length of stay for usual type of camping", provide some valuable guidance for target marketing. One obvious observations is that the three largest groups on both Charts 13 and 14 spend either under \$10 or over \$100. Another is it is hard to stay over

two days for under \$100 and you are likely to stay at least two days if you spend over \$200. A key question not answered here is how much of this money was spent in the local outdoor recreation area.

**CHART 13**

**AMOUNT OF MONEY SPENT PER OUTDOOR RECREATION TRIP  
BY NUMBER OF TRIPS PER YEAR**

<u>Amount of Money</u>	<u>Number of Trips Per Year</u>				
	<u>1-4 Trips</u>	<u>5-9 Trips</u>	<u>10-14 Trips</u>	<u>15-24 Trips</u>	<u>25+Trips</u>
\$0 - \$9	30	26	21	18	38
\$10 - \$19	9	14	7	7	19
\$20 - \$29	16	12	15	9	16
\$30 - \$49	12	9	13	10	9
\$50 - \$99	17	23	25	16	13
\$100 - \$199	24	30	18	11	21
\$200 +	37	26	18	12	18
<u>Total</u>	<b>145</b>	<b>140</b>	<b>117</b>	<b>83</b>	<b>134</b>

**CHART 14**

**AMOUNT OF MONEY SPENT PER OUTDOOR RECREATION TRIP  
BY NUMBER OF DAYS PER TRIP**

<u>Amount of Money</u>	<u>Number of Days Per Trip</u>				
	<u>1 Day</u>	<u>2 Days</u>	<u>3 Days</u>	<u>4 Days</u>	<u>5+ Days</u>
\$0 - \$9	99	12	9	3	8
\$10 - \$19	38	5	7	1	2
\$20 - \$29	38	15	10	1	3
\$30 - \$49	18	18	14	3	0
\$50 - \$99	38	29	14	8	5
\$100 - \$199	18	33	32	10	10
\$200 +	1	24	36	15	35
<u>Total</u>	<b>250</b>	<b>136</b>	<b>122</b>	<b>41</b>	<b>63</b>

491 respondents who have visited Lake Berryessa sometime during their lives were categorized by their area of residence (Chart 15). 369 of the 491 respondents reside in the San Francisco Bay area. That 369 represents 75.2% of the total 491. This is not a surprise considering that the largest population concentration within the Lake Berryessa market area is in the San Francisco Bay area. That 94 of the 491 (19.1%) come from Sacramento is of interest. Since Sacramento has a climate very similar to Lake Berryessa and offers comparable flatwater opportunities, the reasons for this group choosing Lake Berryessa may deserve further study.

**CHART 15**

**VISITORS TO LAKE BERRYESSA BY AREA OF RESIDENCE**

<u>Area of Residence</u>	<u>Plan to return to Lake Berryessa within the next two years</u>				<u>% Return</u>
	<u>Yes</u>	<u>No</u>	<u>Maybe</u>	<u>Total</u>	
East Bay	68	77	36	181	37.6
North Bay	31	53	22	106	29.2
Sacramento	36	44	14	94	38.3
San Francisco	33	38	11	82	40.2
Stockton	3	10	4	17	17.6
Marysville	3	7	1	11	27.3
<u>Total</u>	174	229	88	491	35.4

Chart 16 displays the reasons respondents gave for not going to Lake Berryessa. Column one is a list of the reasons provided. Column two (All) is the number of respondents out of the total 1001 who gave that reason for not going to Lake Berryessa. Columns three through six reports the responses by only those who have been to Lake Berryessa and do not plan to return during the next two years.

## CHART 16

### WHY NOT LAKE BERRYESSA?

<u>Why don't go to Berryessa</u>	<u>All</u>	<u>Been, but are not returning within the next two years</u>			
		<u>No</u>	<u>Maybe</u>	<u>Total</u>	<u>% n=254</u>
Doesn't offer interesting recreation*	44	15	9	24	9.4
Unsafe*	4	3	0	3	1.2
Too far	99	50	11	61	24.0
Too long get there	9	6	1	7	2.8
Facilities poorly maintained*	4	3	0	3	1.2
Facilities unclean*	11	7	1	8	3.1
Facilities too crowded*	18	8	2	10	3.9
Facilities too expensive*	5	0	2	2	.8
Rowdy people*	10	7	3	10	3.9
Don't know about facilities or lake*	199	9	7	16	6.3
No longer travel	8	5	2	7	2.8
No longer have boat or do boating	24	19	5	24	9.4
"No time, too busy	41	6	10	16	6.3
Prefer somewhere else	29	15	5	20	7.9
Don't like physical environment	27	32	1	33	13.0
Friends don't go	20	5	5	10	3.9
Other	102				
Don't know	51				
Yes to next 2yrs or no water recreation	296				
<b>Total</b>	<b>1001</b>	<b>190</b>	<b>64</b>	<b>254</b>	<b>100%</b>

\* Available for possible intervention

The reasons for not going to Lake Berryessa may be divided into those that can be effected through intervention available to the concessionaires and/or the Bureau of Reclamation personnel at the lake, and those reasons that are not available for intervention at this time. The asterisked items on table 13 are those which may be affected. Of those items "don't know about facilities or lake" at 199 of the 1001 respondents (19.9%) is an area where collective marketing by all the concessionaires and BOR seems appropriate. This is specifically important in the East Bay and Sacramento. These are areas one and three as sources of visitors to Lake Berryessa (Chart 15). The important opportunity is they rank one (East Bay: 66 of the 199 for 33.2%) and two (Sacramento: 41 of the 199 for 20.6%) as areas of residence in the market area reporting they don't know about the facilities or lake. "Doesn't offer interesting recreation" is the second highest affectable reason given for not going to Lake Berryessa by all respondents and is the highest affectable reason given by those who have been but do not plan to return within the next two years. This also represents an area where collective work could make a difference. The other asterisked items, though smaller in individual numbers, represent as a group a substantial opportunity to enhance the image of Lake Berryessa and thus increase usage.

Since boaters and campers are two areas of considerable concern to the concessionaires and BOR, the reasons in these two activities do not plan to return to Lake Berryessa in the next two years were given separate review. The reason "too far" was given as number one by boaters (21.1%) and number two by campers (19.8%). Since

this is an area concessionaires and BOR can change, it deserves no expenditure of energy. "Don't like physical environment at Lake Berryessa (barren hot)" was number one for campers (20.7%) and number two for boaters (14.4%). The barren portion is an area of potential intervention for both the concessionaires and BOR particularly in developing camp sites.

If the concessionaires and BOR decide to intervene on "don't know about facilities or lake", the information in Chart 17 on sources of information on outdoor recreation will be of significant value. 824 of the 829 past 12-month outdoor recreation participants provided where they get the most information about outdoor recreation. 407 of the 824 (49.4%) indicated friends or relatives as their primary source. Newspapers (10.4%), Magazines (10.3%) and Brochures/other mail (5.9%) were a distant second, third and forth.

**CHART 17**

**SOURCES OF INFORMATION ABOUT OUTDOOR RECREATION  
PAST 12-MONTH OUTDOOR RECREATION GROUP**

Source	Number	% n=824
Friends or relatives	407	49.4
Newspapers	86	10.4
Magazines	85	10.3
Brochures/other mail	49	5.9
Other	39	4.7
Chamber of Commerce	36	4.4
Businesses in area	32	3.9
Books/guides	25	3.0
Personal experience	23	2.8
Organization publications (AAA, NASCA)	17	2.1
State/Federal agencies	8	1.0
Phone book	7	0.8
TV shows/ads	6	0.7
Radio shows	2	0.2
Businesses not in area	2	0.2
<b>Total</b>	<b>824</b>	<b>100</b>

Since word-of-mouth from friends or relatives is the source of information for one-half of the past 12-month outdoor recreation participation group, anything that spoils an outdoor recreation experience at Lake Berryessa should be of great concern. Thus all items on Chart 16 (Why Not Lake Berryessa) that the concessionaires and BOR can effect, regardless of the rank order, deserves attention.

If the concessionaires and BOR decide to intervene on "doesn't offer interesting recreation" Chart 5 is a rank ordering of the 13 activities included in the survey. The number of participants (column 2 on the chart) are respondents who have participated in the particular activity within the past 12 months and have been to Lake Berryessa sometime during their lives. An extensive breakdown by activity and plan to return to Lake Berryessa within the next two years in contained in Appendix E.

The 880 outdoor recreation participants on or near water (Chart 4) were asked questions 18 through 18z on how important certain available facilities, resources and services were to them if they had the opportunity to plan their favorite outdoor recreation area on or near water. Charts 18 and 19 are lists from those items divided into ones which above 50% of the 880 respondents considered very important and ones that above 50% of the 880 respondents considered very unimportant.

### CHART 18

#### OPPORTUNITY TO PLAN FAVORITE OUTDOOR RECREATION AREA AT OR NEAR WATER

Item Description	% Very Important
Enforcement of laws and regulations	78.9
Maintenance of existing facilities	75.2
Picnic areas	64.0
Security patrols	61.4
Hiking and biking trails with no vehicles allowed	55.1

### CHART 19

#### OPPORTUNITY TO PLAN FAVORITE OUTDOOR RECREATION AREA AT OR NEAR WATER

Item Description	% Very Unimportant
Dry boat storage	63.6
Bar or tavern	59.9
Facilities for dirt bikes and off-road vehicles	57.9
Charter fishing boats	57.0
Equipment rentals and lessons (Jet ski, etc.)	51.2

## SUMMARY AND RECOMMENDATIONS

This study provides statistically reliable information on the outdoor recreation activities of people in the Lake Berryessa market area. Included are: the activities of choice; flatwater locations of choice; number of trips per year; length of stay; amount of money spent per trip; reasons for not going to or not returning to Lake Berryessa; and facilities and services desired for an outdoor recreation outing at or near water. The next step is to identify facilities and services currently existing at Lake Berryessa to determine if they match the needs (wants) of the potential user market identified by the study. Much of the information needed for this inventory already is documented by BOR and/or the concessionaires. Those needs (wants) not being met can then be reviewed from the prospective of whether Lake Berryessa has the physical potential to meet them. As a result of these analysis a feasibility plan that identifies and prioritizes new facilities and services and their general locations in terms of return on investment can be developed. This would be an identification plan only, not a design/layout. A consulting firm specializing in outdoor recreation economic feasibility studies would be best suited to accomplish this phase.

# **APPENDIX A**

# **SURVEY**



SURVEY RESEARCH CENTER  
CALIFORNIA STATE UNIVERSITY, CHICO  
LAKE BERRYESSA MARKET AREA SURVEY  
June 12, 1996

>dial< Hello, my name is \_\_\_\_\_. I'm calling from the Survey Research Center at CSU, Chico, to ask for your participation in a survey for the Bureau of Reclamation. The Bureau is interested in your experiences with outdoor recreation activities such as picnicking, swimming, hiking, camping, or fishing. I'd like to begin by asking if you have participated in these or other outdoor recreation activities in the past 12 months?

<1> Yes [goto qla]  
<3> No [goto scr1]  
<8> Don't Know [goto scr1] ==>

>scr1< In the past 12 months, has anyone else in your household who is 18 years or older participated in outdoor recreation?  
(picnicking, swimming, hiking, camping, or fishing)

<1> Yes [goto scr4]  
<3> No [goto scr2]  
<8> Don't Know [goto scr2] ==>

>scr2< In the past five years, have you participated in any outdoor recreation?  
(picnicking, swimming, hiking, camping, or fishing)

<1> Yes [goto ql1]  
<3> No [goto scr3]  
<8> Don't Know [goto scr3] ==>

>scr3< In the past five years, has anyone in your household who is 18 years or older participated in any outdoor recreation?

<1> Yes [goto scr4]  
<3> No [goto agno]  
<8> Don't Know [goto agno] ==>

>scr4< May I please speak with him/her?

<1> Yes, person comes to phone [goto rdil]  
<3> Need to callback to reach person [goto name] ==>

>name< [allow 20] Who should I ask for when I call back?  
( USE THIS SPACE )  
-----  
==> [goto T201]

>rdil< Hello, my name is \_\_\_\_\_. I'm calling from the Survey Research Center at CSU, Chico, to ask for your participation in a survey for the Bureau of Reclamation. The Bureau is interested in your experiences with outdoor recreation activities such as picnicking, swimming, hiking, camping, or fishing. I'd like to begin by asking if you have participated in these or other outdoor recreation activities in the past 12 months?

<1> Yes [goto qla]  
<3> No [goto scr5]  
<8> Don't Know [goto scr5]  
==>

>scr5< In the past five years, have you participated in any outdoor recreation activities - for example, picnicking, swimming, hiking, camping, or fishing?  
<1> Yes [goto ql1]  
<3> No [goto agno]  
<8> Don't Know [goto agno] ==>

>qla< About how often did you participate in outdoor recreation this spring since mid-March (St. Patrick's Day):  
(READ ALTERNATIVES)  
<1> at least once a week,  
<2> once or twice a month,  
<3> once or twice during the spring, or  
<4> not at all during the spring?  
<8> Don't know  
<9> Refused ==>

>qlb< About how often did you participate in outdoor recreation activities last winter, that is between Thanksgiving Day and mid-March: (READ ALTERNATIVES)  
<1> at least once a week,  
<2> once or twice a month,  
<3> once or twice during the winter, or  
<4> not at all during the winter?  
<8> Don't know  
<9> Refused ==>

>qlc< How about last fall, that is between September and Thanksgiving 1995?  
<1> at least once a week  
<2> once or twice a month  
<3> once or twice during the fall  
<4> not at all during the fall  
<8> Don't know  
<9> Refused ==>

>qld< How about last summer, that is between Memorial Day and Labor Day?  
<1> at least once a week  
<2> once or twice a month  
<3> once or twice during the summer  
<4> not at all during the summer  
<8> Don't know  
<9> Refused  
==>

>qle< In the past 12 months have you participated in outdoor recreation on or near water such as a lake or river?  
(swimming, hiking, bicycling, camping, water skiing, fishing, boating, picnicking)  
<1> Yes [goto Csmpl]  
<3> No  
<8> Don't know  
<9> Refused  
==>

>ql1< In the past five years have you participated in outdoor recreation on or near water such as a lake or river?

(swimming, hiking, bicycling, camping, water skiing, fishing, boating, picnicking)

- <1> Yes
- <3> No
- <8> Don't know
- <9> Refused       ===>

>Csmpl< samples 1, 2, 4 goto wrd1; samples 3, 5 goto wrd2

sample 1=q1e is yes - REC (12 mos) + WATER (12 mos)

sample 2=dial or rdil is yes and ql1 is yes-REC (12 mos) + PAST WATER (5 yrs)

sample 3=dial or rdil is yes and ql1 is no- REC (12 mos) + NO WATER

sample 4=scr2 or scr5 is yes and ql1 is yes-PAST REC(5 yrs) + PAST WATER(5 yrs)

sample 5=scr2 or scr5 is yes and ql1 is no- PAST REC (5 yrs) + NO WATER

>wrd1< stores participate or participated

>qlf<What is the name of where you most often [fill wrd1] in outdoor recreation on or near water, such as a lake or river?

- <1> Folsom Lake
- <2> Lake Oroville
- <3> Lake Berryessa
- <4> Clear Lake
- <5> Lake Tahoe
- <6> Sacramento Delta
- <7> Sacramento River
- <8> American River
- <9> Feather River
- <10> San Francisco Bay
- <11> Lake Shasta
- <12> North Coast (Monterey Bay to Oregon)
- <13> South Coast (Pacific Grove to Mexico)
- <14> Russian River
- <15> Yosemite
- <16> Out of state or out of country

- <0> Other [specify]
- <88> Don't know [goto qlh]
- <99> Refused [goto qlh]       ===>

>Cqlf<[if samp eq <2> goto qlh]  
[if samp eq <4> goto qlh]

>qlg< During the past 12 months, about how often did you go to [fill qlf]?

- <1> at least once a week
- <2> once or twice a month
- <3> several times a year
- <4> once or twice a year
- <8> Don't know
- <9> Refused       ===>

>qlh<What is the name of your FAVORITE AREA where you [fill wrd1] in outdoor recreation on or near water such as a lake or river?

- <1> Folsom Lake
- <2> Lake Oroville
- <3> Lake Berryessa
- <4> Clear Lake
- <5> Lake Tahoe
- <6> Sacramento Delta
- <7> Sacramento River
- <8> American River
- <9> Feather River
- <10> San Francisco Bay
- <11> Lake Shasta
- <12> North Coast (Monterey Bay to Oregon)
- <13> South Coast (Pacific Grove to Mexico)

- <0> Other [specify]
- <88> Don't know [goto wrd2]
- <99> Refused [goto wrd2]       ===>

```
>ckf< [if samp ne <1> goto wrd2]
      [if qlf eq qlh goto wrd2]
>qli< During the past 12 months, about how often did you go to [fill qlh]?
      <1> at least once a week
      <2> once or twice a month
      <3> several times a year
      <4> once or twice a year
      <5> not at all
      <8> Don't know
      <9> Refused      ===>
```

```
>wrd2< stores 'do' or 'did' in wrd2
```

```
>qlj< With whom [fill wrd2] you participate most often in outdoor recreation:
      (READ ALTERNATIVES)
      <1> just yourself,
      <2> with a friend or spouse,
      <3> family, [goto qlk]
      <4> group of families, [goto qlk]
      <5> group of friends, [goto qlk]
      <6> group of family and friends, [goto qlk]
      <7> organization, such as a club, school, or church group, or [goto qlk]
      <0> some other? [specify][goto qlk]
      <8> Don't know
      <9> Refused
===> [goto Cq2]
```

```
>qlk< How many people were in that group?
      <2-500>
      <888> Don't Know
      <999> Refused      ===>
```

```
>Cq2<[if samp eq <4> goto wrd3]
      [if samp eq <5> goto wrd3]
```

```
>q2< Where do you get the most information about outdoor recreation areas:
      (READ ALTERNATIVES)
      <1> friends or relatives,
      <2> newspapers,
      <3> agencies or businesses in the area,
      <4> chamber of commerce, or visitor and information bureaus,
      <5> magazines on fishing, camping, travel, or outdoors,
      <9> television shows or advertisements,
      <10> radio shows or advertisements,
      <11> brochures or other information mailed to you, or
      <12> organizations e.g. AAA, Nascc, Seirra club & their publications
      <13> books/guides not included in other categories
      <14> state/fed agencies but not at rec. area
      <15> businesses not at rec. area
      <16> personal experience/exploring on your own
      <17> phone book
      <0> some other? [specify]
      <88> Don't know
      <99> Refused      ===>
```

>q3< I'd like to ask you about a dozen of the outdoor recreation activities most commonly enjoyed by Californians.  
Let's start with hiking or backpacking: did you go hiking or backpacking at all in the past 12 months?  
    <1> Yes [goto q3a]  
    <3> No  
    <8> Don't know  
    <9> Refused       ===> [goto Cq4]

>q3a< How often did you go hiking or backpacking in the past 12 months:  
    (READ ALTERNATIVES)  
    <1> at least once a week,  
    <2> once or twice a month,  
    <3> several times a year, or  
    <4> once or twice a year?  
    <8> Don't know  
    <9> Refused       ===>

>Cq4< [if samp eq <2> goto q7]  
    [if samp eq <3> goto q7]

>q4< Did you go fishing at all during the past 12 months?  
    <1> Yes [goto q4a]  
    <3> No  
    <8> Don't know  
    <9> Refused  
    ===> [goto q5]

>q4a< How often did you go fishing during the past 12 months:  
    (READ ALTERNATIVES)  
    <1> at least once a week,  
    <2> once or twice a month,  
    <3> several times a year, or  
    <4> once or twice a year?  
    <8> Don't know [goto q5]  
    <9> Refused [goto q5]  
    ===>

>q4b< Did you fish from a boat, from shore, or from both?  
    <1> shore  
    <3> boat [goto q4b1]  
    <5> both [goto q4b1]  
    <8> Don't know  
    <9> Refused  
    ===>[goto q4d]

>q4b1< Is that: (READ ALTERNATIVES)

- <1> a boat you own,
- <2> a friend's or relative's boat,
- <3> a rented boat,
- <4> a charter boat, or
- <0> some other? [specify]
- <8> Don't know
- <9> Refused      ===>

>q4d< What did you fish for most often?

- <1> Trout
- <2> Black Bass
- <3> Striped Bass
- <4> Catfish
- <5> Salmon
- <6> Other Bass
- <0> Other [specify]
- <7> Anything
- <8> Don't know
- <9> Refused      ===>

>q4e< Any other (type of fish)?

- <1> Trout
- <2> Black Bass
- <3> Striped Bass
- <4> Catfish
- <5> Salmon
- <6> Other Bass
- <7> Anything
- <0> Other [specify]
- <77> No other fish
- <88> Don't know      <99> Refused      ===>

>q5< Other than fishing, did you participate in any boating activities during the past 12 months?  
(kayaking, canoeing, sailing, rafting, houseboating, paddleboating, power boating, windsurfing, jet skiing, water skiing)

- <1> Yes [goto q5a]
- <3> No
- <8> Don't know
- <9> Refused

===> [goto q6]

>q5a< What was the primary type of boating activity: (READ ALTERNATIVES)

- <1> power boating,
- <2> sailing,
- <3> water skiing,
- <4> kayaking, rowboating, canoeing, rafting, paddleboating,
- <5> houseboating, pontoon boating,
- <6> jet skiing or waverunning,
- <7> windsurfing or sailboarding, or
- <0> some other? [specify]
- <8> Don't know [goto q6]
- <9> Refused [goto q6] ==>

>q5a1< How often did you go [fill q5a]  
during the past 12 months: (READ ALTERNATIVES)

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year, or
- <4> once or twice a year?
- <8> Don't know
- <9> Refused ==>

>q5b< PRIMARY BOATING WAS: [fill Cq5a]

-----  
Any others?

- <1> power boating,
- <2> sailing,
- <3> water skiing,
- <4> kayaking, rowboating, canoeing, rafting, paddleboating,
- <5> houseboating, pontoon boating,
- <6> jet skiing or waverunning,
- <7> windsurfing or sailboarding, or
- <0> some other? [specify]
- <77> No others [goto q6]
  - <88> Don't know [goto q6]
  - <99> Refused [goto q6] ==>

>q5b1< [if q5b eq <0>][show q5b][endif] How often did you go [fill Cq5b]  
during the past 12 months:

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year, or
- <4> once or twice a year?
- <8> Don't know
- <9> Refused ==>

>q5c< to >q5e1< repeats q5a and q5a1, allows for up to 5 different boats >Cq5c<

>q6< During the past 12 months, did you participate in any beach  
activities such as sitting, sunbathing, or beach games?

- <1> Yes [goto q6a]
- <3> No
- <8> Don't know
- <9> Refused

==> [goto q6b]

>q6a< How often did you participate in any beach activities: (READ ALTERNATIVES)  
<1> at least once a week,  
<2> once or twice a month,  
<3> several times a year, or  
<4> once or twice a year?  
<8> Don't know  
<9> Refused ==>

>q6b< In the past 12 months, did you go swimming in any place other than  
a home pool?  
<1> Yes [goto q6c]  
<3> No  
<8> Don't know  
<9> Refused ==> [goto q7]

>q6c< About how often did you swim in places other than a home pool  
during the past 12 months: (READ ALTERNATIVES)  
<1> at least once a week,  
<2> once or twice a month,  
<3> several times a year, or  
<4> once or twice a year?  
<8> Don't know [goto q7]  
<9> Refused [goto q7] ==>

>q6d< Was that primarily in: (READ ALTERNATIVES)  
<1> public pools,  
<2> lakes, rivers, oceans, or  
<0> some other place? [specify]  
<8> Don't know  
<9> Refused ==>

>q7< Did you go camping at all during the past 12 months?  
<1> Yes [goto q7a]  
<3> No  
<8> Don't know  
<9> Refused ==> [goto q9]

>q7a< How often did you camp during the past 12 months: (READ ALTERNATIVES)  
<1> at least once a week,  
<2> once or twice a month,  
<3> several times a year, or  
<4> once or twice a year?  
<8> Don't know [goto q8]  
<9> Refused [goto q8] ==>

>q7b< Did you go camping most often in: (READ ALTERNATIVES)  
<1> a pickup with a camper shell,  
<2> a self-contained pickup camper,  
<3> a motorhome,  
<4> a pop-up trailer,  
<5> a self-contained trailer,  
<6> a tent, or  
<0> something else? [specify]  
<7> Cabin  
<8> Don't know [goto q8]



<9> Refused [goto q8] ==>

>Coth< stores 'other than' in Coth  
>Cq7b< stores type of camping in Cq7b

>q7c< In the past 12 months, did you go camping in anything [fill Coth]  
[fill Cq7b]?  
<1> Yes [goto q7d]  
<3> No  
<8> Don't know  
<9> Refused ==> [goto q8]

>q7d< RESPONSE TO q7b WAS: [fill Cq7b]

~~~~~  
What was that?

<1> a pickup with a camper shell  
<2> a self-contained pickup camper  
<3> a motorhome  
<4> a pop-up trailer  
<5> a self-contained trailer  
<6> a tent  
<0> something else [specify]  
<7> Cabin  
<8> Don't know [goto q8]  
<9> Refused [goto q8] ==>

>q7e< allows for one more camping type

>q8< Now I am going to read a list of campsite characteristics. Please  
tell me how important each is to you when choosing a campsite.  
First, how important is having a campsite on or near the water:  
very important, somewhat important, or not important?  
<1> Very important  
<3> Somewhat important  
<5> Not important  
<8> Don't know  
<9> Refused ==>

>q8a< What about having a site near restrooms: very important, somewhat  
important, or not important?  
<1> Very important  
<3> Somewhat important  
<5> Not important  
<8> Don't know  
<9> Refused ==>

>q8b< How about having restrooms with flush toilets?  
(very important, somewhat important, or not important)  
<1> Very important  
<3> Somewhat important  
<5> Not important  
<8> Don't know  
<9> Refused ==>

>C8c< Ask q8c of people who use some form of RV, all other campers go to q8d

>q8c< How important is having a site with a waste dump station nearby: very important, somewhat important, or not important?

- <1> Very important
- <3> Somewhat important
- <5> Not important
- <8> Don't know
- <9> Refused ===>

>q8d< Campgrounds with hot showers?

- <1> Very important
- <3> Somewhat important
- <5> Not important
- <8> Don't know
- <9> Refused ===>

>C8e< Ask q8e of people who use some form of RV, all other campers go to Cq8f

>q8e< Campsites with full hookup facilities including water and electricity connections?

- <1> Very important
- <3> Somewhat important
- <5> Not important
- <8> Don't know
- <9> Refused ===>

>Cq8f< [if samp eq <3> goto q9]

>q8f< Do you use a boat when you go camping?

- <1> Yes [goto q8f1]
- <3> No
- <8> Don't know
- <9> Refused

===> [goto q9]

>q8f1< How important is camping near a boat launching ramp: very important, somewhat important, or not important?

- <1> Very important
- <3> Somewhat important
- <5> Not important
- <8> Don't know
- <9> Refused ===>

>q9< During the past 12 months, did you go horseback riding anywhere other than at or near your home?

- <1> Yes [goto q9a]
- <3> No
- <8> Don't know
- <9> Refused ===> [goto q10]

>q9a< How often did you go horseback riding anywhere other than at home:  
(READ ALTERNATIVES)

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year, or
- <4> once or twice a year?
- <8> Don't know
- <9> Refused       ===>

>q10< Did you golf, or play tennis or volleyball during the past 12 months?

- <1> Yes [goto q10a]
- <3> No
- <8> Don't know
- <9> Refused       ===> [goto q11]

>q10a< How often during the past 12 months did you golf:       (READ ALTERNATIVES)

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year,
- <4> once or twice a year, or
- <5> not at all?
- <8> Don't know                   <9> Refused       ===>

>q10b< How often during the past 12 months did you play tennis?

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year,
- <4> once or twice a year, or
- <5> not at all?
- <8> Don't know                   <9> Refused       ===>

>q10c< (How often during the past 12 months did you play) volleyball?

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year,
- <4> once or twice a year, or
- <5> not at all?
- <8> Don't know                   <9> Refused       ===>

>q11< During the past 12 months, did you go mountain biking or road bicycling?

- <1> Yes, mountain biking [goto q11a]
- <2> Yes, road bicycling [goto q11b]
- <3> Yes, both [goto q11a]
- <4> No, neither mountain nor road
- <8> Don't know
- <9> Refused

===> [goto q12]

>q11a< How often did you go mountain biking during the past 12 months:  
(READ ALTERNATIVES)  
<1> at least once a week,  
<2> once or twice a month,  
<3> several times a year, or  
<4> once or twice a year?  
<8> Don't know                    <9> Refused        ==>

>ck11<        [if q11 ne <3> goto q12]

>q11b<        How often did you go road bicycling during the past 12 months:  
(READ ALTERNATIVES)  
<1> at least once a week,  
<2> once or twice a month,  
<3> several times a year, or  
<4> once or twice a year?  
<8> Don't know                    <9> Refused        ==>

>q12< Did you use any type of off road vehicle for recreation during the  
past 12 months?  
(dirtbiking, ATVing, 4-wheel driving, dunebuggying)  
<1> Yes [goto q12a]  
<3> No  
<8> Don't know  
<9> Refused  
==> [goto q13]

>q12a< What was your primary off road activity:  
(READ ALTERNATIVES)  
<1> dirt biking,  
<2> four-wheel driving,  
<3> quadrunning or ATVing,  
<4> dunebuggying, or  
<0> some other? [specify]  
<8> Don't know [goto q13]  
<9> Refused [goto q13]        ==>

>C12a< stores type of off road vehicle in C12a

>q12b< How often did you go [fill C12a] during the past 12 months:  
<1> at least once a week,  
<2> once or twice a month,  
<3> several times a year, or  
<4> once or twice a year?  
<8> Don't know                    <9> Refused  
==>

>q12c< PRIMARY OFF ROAD VEHICLE: [fill C12a]  
-----

Any others?

- <1> dirt biking,
- <2> four-wheel driving,
- <3> quadrunning or ATVing,
- <4> dunebuggying, or
- <0> some other? [specify]
- <77> No others [goto q13]
- <88> Don't know [goto q13]
- <99> Refused [goto q13] ==>

>C12c< Stores type of off road vehicle in C12c

>q12d< How often did you go [fill C12c] during the past 12 months:

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year, or
- <4> once or twice a year?
- <8> Don't know
- <9> Refused ==>

>q12e< and >q12f< allow for one more type of off road vehicle

>q12f<

>q13< Did you go picnicking in parks or recreation areas during the past 12 months?

- <1> Yes [goto q13a]
- <3> No
- <8> Don't know
- <9> Refused ==> [goto q14]

>q13a< About how often did you go picnicking during the past 12 months:

(READ ALTERNATIVES)

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year, or
- <4> once or twice a year?
- <8> Don't know
- <9> Refused ==>

>q14< During the past 12 months, did you participate in any nature activities such as birdwatching, viewing wildlife, nature studies, or visiting natural areas away from your home?

- <1> Yes [goto q14a]
- <3> No
- <8> Don't know
- <9> Refused ==> [goto Ck15]

>q14a< During the past 12 months, how often did you go birdwatching somewhere other than your home: (READ ALTERNATIVES)

- <1> at least once a week,
- <2> once or twice a month,
- <3> several times a year,
- <4> once or twice a year, or
- <5> not at all?

<8> Don't know                      <9> Refused                      ===>

>q14b< How often in the past 12 months did you go somewhere other than  
your home to photograph or view wildlife:                      (READ ALTERNATIVES)  
    <1> at least once a week,  
    <2> once or twice a month,  
    <3> several times a year,  
    <4> once or twice a year, or  
    <5> not at all?  
    <8> Don't know                      <9> Refused                      ===>

>q14c< How about nature study or visiting natural areas?  
    <1> at least once a week,  
    <2> once or twice a month,  
    <3> several times a year,  
    <4> once or twice a year, or  
    <5> not at all?  
    <8> Don't know                      <9> Refused                      ===>

>Ck15<            [if samp ne <1> goto wrd3]

>q15< About how many trips did you make to outdoor recreation areas on or  
near water during the past 12 months?  
    <1-100> (ENTER NUMBER OF TRIPS)  
    <888> Don't know                      <999> Refused                      ===>

>q15a< How many days did you stay on a typical trip to an outdoor recreation  
area on or near water?  
    <0-365> (ENTER NUMBER OF DAYS)  
    <888> Don't Know                      <999> Refused                      ===>

>q15b< About how much money did you spend at an outdoor recreation area on  
or near water during a typical trip?  
    <1-9999> (SPECIFY NUMBER OF DOLLARS)  
    <88888> Don't Know                      <99999> Refused===>

>wrd3< [if samp eq <2>][store <on or near water> in wrd3][endif]  
          [if samp eq <4>][store <on or near water> in wrd3][endif]

>Ckyn< [if samp eq <1> goto Ck16]    [if samp eq <2> goto ynot]  
          [if samp eq <3> goto age]            [if samp eq <4> goto ynot]  
          [if samp eq <5> goto ynot]

>ynot< What is the main reason you no longer participate in outdoor recreation [fill wrd3]?

- <1> Not interested/lost INTEREST
- <2> Not enough TIME/too busy
- <3> Don't have SKILLS or knowledge
- <4> Too FAR from where I live
- <5> Takes TOO LONG to get there
- <6> Don't get around much anymore/no longer g't out and travel
- <7> DISABLED/physically can't
- <8> No one to recreate with
- <9> COSTS too much
- <10> Don't LIKE the areas near me
- <11> Too OLD
- <12> Don't know what's available
- <13> No longer OWN BOAT
- <14> Don't FISH anymore
- <15> Lifestyle change
- <0> Other [specify]
  - <88> Don't know
  - <99> Refused

===>

>futr< Do you expect to participate in outdoor recreation on or near water, such as a lake or river in the next two years?

- <1> Yes
- <3> No
- <8> Don't Know
- <9> Refused

===>

>Ck16< [if samp eq <5> goto age]

[if qlf eq <3> goto ql6a]

[if qlh eq <3> goto ql6a]

>q16< Have you ever been to Lake Berryessa?

- <1> Yes [goto ql6a]
- <3> No
- <8> Don't know
- <9> Refused

===> [goto word]

>q16a< Do you expect to go to Lake Berryessa anytime within the next 2 years?

- <1> Yes [goto ql8]
- <3> No
- <5> Maybe
- <8> Don't know
- <9> Refused

===>

>word< if ql6=3, store 'have never gone' in word  
 if q6=1, store 'no longer go' in word  
 if ql6=5,x,y, store 'may not go' in word

>q17< What is the main reason that you [fill word] to Lake Berryessa?

- <1> Doesn't offer kinds of recreation interesting to me
- <2> Is unsafe
- <3> Too far from where I live
- <4> Takes too long to get there
- <5> Facilities are poorly maintained
- <6> Facilities are unclean
- <7> Facilities are too crowded
- <8> Facilities are too expensive
- <9> Rowdy undesirable people go there
- <10> Staff is unfriendly or unhelpful
- <11> Don't know anything about the facilities or the lake [goto q18]
- <12> No longer go out or travel, or don't get around much anymore
- <13> Don't have a boat, no longer go boating
- <14> Don't have the time/too busy
- <15> Prefer Some place else
- <16> Does not like physical environment at the lake/barren/hot
- <17> Friends don't go/no one to go with/never invited
- <0> Other [specify]
- <88> Don't know [goto q18]                      <99> Refused [goto q18]===>

>q17b< Any other reasons?

- <1> Yes [goto q17c]
- <3> No
- <8> Don't know                      <9> Refused                      ===> [goto q18]

>q17c< to >q17e< allows 2 more reasons

>q18< If you had an opportunity to plan your favorite outdoor recreation area on or near water, how important would each of the following be to your enjoyment of outdoor recreation there?

First, how important are swimming areas: very important, somewhat important, somewhat unimportant, or not at all important?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know                      <9> Refused                      ===>

>q18a< Next, public swimming pools: very important, somewhat important, somewhat unimportant, or not at all important?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know                      <9> Refused                      ===>



>q18b< What about hiking and bicycling trails where no vehicles are allowed?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ===>

>q18c< Primitive campgrounds with picnic tables, cold water, and pit toilets?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ===>

>q18d< What about a visitor information facility?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ===>

>q18e< A reservation system for facilities and services: very important, somewhat important, somewhat unimportant, or not at all important?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ===>

>q18f< What about special events such as festivals, fishing tournaments, water ski contests, triathalons, and boat races?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ===>

>q18g< What about maintenance for existing facilities and areas?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ===>

- >q18h< A full service marina?  
<1> Very important  
<2> Somewhat important  
<3> Somewhat unimportant  
<4> Not at all important  
<5> This should not even be at the lake/river (VOLUNTEERED)  
<8> Don't know <9> Refused ===>
- >q18i< Boat launching facilities: very important, somewhat important, somewhat unimportant, or not at all important?  
<1> Very important  
<2> Somewhat important  
<3> Somewhat unimportant  
<4> Not at all important  
<5> This should not even be at the lake/river (VOLUNTEERED)  
<8> Don't know <9> Refused ===>
- >q18j< Dry boat storage?  
<1> Very important  
<2> Somewhat important  
<3> Somewhat unimportant  
<4> Not at all important  
<5> This should not even be at the lake/river (VOLUNTEERED)  
<8> Don't know <9> Refused ===>
- >q18k< Boat rentals?  
<1> Very important  
<2> Somewhat important  
<3> Somewhat unimportant  
<4> Not at all important  
<5> This should not even be at the lake/river (VOLUNTEERED)  
<8> Don't know <9> Refused ===>
- >q18l< Charter fishing boats?  
<1> Very important  
<2> Somewhat important  
<3> Somewhat unimportant  
<4> Not at all important  
<5> This should not even be at the lake/river (VOLUNTEERED)  
<8> Don't know <9> Refused ===>
- >q18m< Next is providing equipment rentals and lessons. How important is providing wave runner, jet ski, and sailboard rentals?  
(very important, somewhat important, somewhat unimportant, or not at all important)  
<1> Very important  
<2> Somewhat important  
<3> Somewhat unimportant  
<4> Not at all important  
<5> This should not even be at the lake/river (VOLUNTEERED)  
<8> Don't know <9> Refused ===>

>q18n< Facilities for dirt bikes and off-road vehicles?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18o< What about equestrian (horseback riding) facilities?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18p< Children's play areas?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18q< Outdoor/nature educational facilities and programs?

(very important, somewhat important, somewhat unimportant,  
or not at all important)

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18r< Picnic areas?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18s< Hotels and motels at or near the outdoor recreation site?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18t< Cabins for rent?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18u< Restaurants, cafes, and snack bars at or near the outdoor recreation site?  
(very important, somewhat important, somewhat unimportant,  
or not at all important)

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18v< Bar or Tavern?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18w< Gas stations and convenience stores at or near the outdoor recreation  
site?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18x< Active sports facilities, such as tennis courts, volleyball courts,  
and golf courses?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18y< Enforcement of laws and regulations at or near the water-based  
outdoor recreation sites?

- <1> Very important
- <2> Somewhat important
- <3> Somewhat unimportant
- <4> Not at all important
- <5> This should not even be at the lake/river (VOLUNTEERED)
- <8> Don't know
- <9> Refused ==>

>q18z< How important is security patrol?  
(very important, somewhat important, somewhat unimportant,  
or not at all important)  
<1> Very important  
<2> Somewhat important  
<3> Somewhat unimportant  
<4> Not at all important  
<5> This should not even be at the lake/river (VOLUNTEERED)  
<8> Don't know <9> Refused ==>

>agno< Since you did not participate in outdoor recreation activities in  
the last 12 months, most of the questions in our survey do not apply.  
I would like to finish with a few questions for classification  
purposes. What is your age?  
(IF HESITANT ASK: "In what year were you born?"  
CALCULATE AND CODE AGE IN YEARS)  
<1> under age 18 [goto agck]  
<18-97>  
<888> Don't know <999> Refused ==> [goto educ]

>age< I would like to finish with a few questions for classification  
purposes. What is your age? [equiv agno]  
(IF HESITANT ASK: "In what year were you born?"  
CALCULATE AND CODE AGE IN YEARS)  
<1> under age 18 [goto agck]  
<18-97>  
<888> Don't know <999> Refused ==> [goto educ]

>agck< YOU ENTERED AGE OF RESPONDENT AS <1> under age 18.  
IF THIS IS CORRECT ENTER 1.  
IF THIS IS WRONG, ENTER THE CORRECT AGE:  
<18-97>  
<888> Don't know <999> Refused ==>

>AGCK< [store agck in age][if age eq <1> goto sex]

>educ< What was the highest grade level you completed in school?  
<1> grades 1-7  
<2> completed grade 8  
<3> some high school  
<4> high school graduate  
<5> some college, trade or business school  
<6> four-year college graduate  
<7> graduate or professional degree  
<8> Don't know <9> Refused ==>

>work< Are you currently working full time, working part time, temporarily  
unemployed, a homemaker, retired, or disabled and unable to work?  
<1> full time  
<2> part time  
<3> temporarily unemployed but going back to a job  
<4> a homemaker not working outside the home  
<5> retired  
<6> disabled and unable to work

<8> Don't know                      <9> Refused                      ===>

>rent< Do you: (READ ALTERNATIVES)

<1> rent an apartment,  
 <2> rent a house,  
 <3> own a house or condo, or  
 <4> lives w/parents or free loading off friends  
 <0> some other? [specify]  
 <8> Don't know                      <9> Refused                      ===>

>marr< Are you: (READ ALTERNATIVES)

<1> single,  
 <2> married, [goto both]  
 <3> divorced,  
 <4> separated,  
 <5> widowed, or  
 <0> some other? [specify]  
     <8> Don't know                      <9> Refused                      ===> [goto chil]

>both< Do both of you work outside the home?

<1> Yes  
 <3> No  
     <8> Don't know                      <9> Refused                      ===>

>chil< How many children age 18 or younger live with you?

<0>  
 <1-100> [goto sch1]  
     <888> Don't know                      <999> Refused                      ===> [goto zip]

>sch1< Are one or more of those children currently attending school?

<1> Yes [goto sch2]  
 <3> No  
     <8> Don't know                      <9> Refused                      ===> [goto zip]

>sch2< Do the children attend year-round, traditional, or both?

<1> Year-round  
 <3> Traditional  
 <5> Both  
     <8> Don't know                      <9> Refused                      ===>

>zip< What is the zip code where you live?

<00000-99999>  
 <888888> Don't know                      <999999> Refused===>

>inc< Finally, I'd like an approximate idea of the total amount of annual income in your household. Stop me when I read the category for your household.

Is it (READ ALTERNATIVES):  
 <1> Less than \$20,000  
 <2> \$20,000-35,000 (34,999)  
 <3> \$35,000-50,000 (49,999)  
 <4> \$50,000-65,000 (64,999)  
 <5> \$65,000-80,000 (79,999)  
 <6> \$80,000-100,000  
 <7> More than \$100,000

<8> Don't know

<9> Refused

==>

## **APPENDIX B**

# **FOCUS GROUP FINDINGS**



**MEETING HELD 3/11/96**  
**Stakeholder's Focus Group (inside looking out)**

1. Why do people come to Lake Berryessa?

- Clean water
- fishing
- camping and prices
- water skiing
- jet skiing
- proximity to Bay Area
- Parasailing
- mobile homes are affordable for recreational housing
- friends come here
- sightseeing
- curiosity
- new place to go
- not crowded

2. What do people like to do?

- Drink
- socialize
- fish
- water ski
- relax
- video games
- music and dancing
- dining

3. What facilities and services do users and potential users want at Lake Berryessa?

- Motels
- lodging (cabins, etc)
- restaurants
- water park
- golf course
- convention and meeting facilities
- corporate retreats
- diet and exercise facilities
- specialty camps
- multi-use trails
- club house
- shooting range
- upgraded campgrounds
- special events, 4
- boat storage
- boat slips
- marinas
- boat repairs
- equestrian facilities
- travel trailer/RV storage

4. Why don't people come?

- No place to stay
- too hot to camp
- no entertainment
- no golfing
- no tennis
- no pool
- run-down campsites
- insufficient security
- poor fishing
- incompatible boating
- don't know what there is to do
- poor image

#### 5. Constraints:

- Lease terms
- politics
- finances
- poor roads
- poor economics to scale
- expansion limitations (inside federal areas  
- outside federal areas)
- concession policies
- Management Plan
- local planning
- joint marketing and promotion
- lack of help from the Chamber
- drought
- resorts are not working together
- image of Lake Berryessa
- existing lease terms

**MEETING HELD 3/26/96**  
**Random Recreation Users (outside looking in)**

1. Why people come to Lake Berryessa:

- Beauty-views
- waterskiing
- good fishing
- biking
- hiking
- sailing
- location
- lower use than other areas
- hunting
- clean water
- swimming
- permit pets at Lake Berryessa
- Oakshores picnicking and day use (free)
- free boat launch ramp
- trailer at Lake Berryessa (place to stay)
- boat storage
- second home in the area
- friendship connection at Lake Berryessa

2. What do people like to do at Lake Berryessa?

- Nothing (relax)
- stargazing
- sunsets
- fall fishing
- party
- escape the city
- visit family
- socialize
- sightseeing

3. Facilities and Services:

- Better cell phone coverage
- more bike trails (improved and unimproved)-separate from the roads
- windsurfing facilities (launch area with better winds)
- equipment rentals
- boat storage
- camping facilities other than resorts
- motel
- campsites for occasional visitors
- additional RV sites
- group campsites
- group recreation room
- facilities for weddings (natural sites)
- conference/workshop facilities
- canoe facilities/kayak
- hiking trails
- emergency services
- toilets at the dam

- more parking at the free launch area or another launch area
- more swim beaches

4. Why don't people come to Lake Berryessa?

- Road access
- lack of traffic control
- more turnouts/passing lanes
- bad publicity on drought
- accidents
- party image
- fights
- don't know what is available
- no airport
- ethnic groups may not feel comfortable here
- low water level
- lack of nice places to get out of a boat to picnic, etc.

5. Other facilities and services to encourage use?

- Better access to natural areas
- homes and second homes encourage services and use
- more day use
- more short-term camping, special events.

6. Infor. Sources:

- Solano Irrigation District
- Napa Register
- Resorts (info. center)
- Sacramento Bee
- Website
- AAA Motorland
- Napa CUIB
- Hotels

## **APPENDIX C**

# **PRODUCTION REPORT**

Survey Research Center  
Lake Berryessa Market Area Survey

Production Report

The Survey Research Center designed and implemented a Lake Berryessa market area survey for the Bureau of Reclamation. This survey was designed to 1) identify water-based recreation participation patterns of people living within 100 miles or a 2 hour driving radius of the lake (the Lake Berryessa market area); 2) identify how recreation users evaluate their favorite water-based outdoor recreation location; 3) identify facility and service demands for flatwater recreation; 4) identify constraints and advantages of Lake Berryessa in meeting market demand; 5) identify recreation expenditure patterns; and 6) identify demographics. Interviews with 1001 residents of the Lake Berryessa market area were conducted by telephone between April 28, 1996 and June 5, 1996.

**Sample**

A geographically proportionate random sample of telephone numbers from the 16 California counties in the Lake Berryessa market area was purchased from Survey Sampling, Inc. The sample counties included: Alameda, Colusa, Contra Costa, Lake, Marin, Mendocino, Napa, Sacramento, San Francisco, San Joaquin, San Mateo, Solano, Sonoma, Sutter, Yolo, Yuba.

To be eligible for the survey, a respondent must have participated in either outdoor recreation or water-based outdoor recreation within either the past 12 months or the past five years. Eligible respondents were then grouped according to their recreation participation. This generated five groups of respondents: Groups 1, 2, and 3 participated in outdoor recreation during the past 12 months. Group 1 participated in water-based recreation during the past 12 months; group 2 did not participate in water-based recreation during the past 12 months, but did participate in water-based recreation during the past 5 years. Group 3 did not participate in water-based recreation during the past 12 months or during the past 5 years. Groups 4 and 5 participated in outdoor recreation during the past 5 years, but not during the past 12 months. Group 4 participated in water-based recreation during the past 5 years, while group 5 did not participate in water-based recreation during the past 5 years. Only questions relevant to a particular group's current or past recreation experience were asked.

A count was kept of households where no one 18 years of age or older participated in any recreation during either the past 12 months, or the past 5 years.

## Summary of Sample Outcomes

Telephone numbers may be grouped by eligibility. Some numbers are assigned to known eligible households. *Known eligible households* are those in which a person who participated in outdoor recreation was reached at a household number. Completed interviews, never reached callbacks, and refusals or partials are all known eligible households. Some numbers are known non-eligible households. These include businesses; out of service or otherwise unusable telephone numbers (temporary disconnects, beepers, pagers); households in which there is no one capable of responding (no one over 18, terminally ill, all household members gone for the duration of the survey); households in which no adults speak English; and households in which no one participated in outdoor recreation. A third category of eligibility is unknown eligibility or numbers with ambiguous outcomes. This includes perpetual no answers, busies, or answering machines. For these numbers, it is not clear that a household has been reached.

A variety of sample characteristics can be defined and calculated based on the outcome categories summarized in Table 1. In Table 1, the ambiguous outcomes are included in the eligible category. This is a choice to err on the conservative side. By including the ambiguous outcomes as eligible households, response rates are defined at their lower limits. An overall response rate is calculated by dividing the number of completed interviews by the number of eligible households. For this survey, the overall response rate was **50.5%**. The refusal rate is calculated by dividing the refusals and partials by the refusals, partials, and completed interviews. For this survey, the refusal rate was **27.8%**.

Three measures of sample efficiency can be calculated from outcome information. The first measure is the percentage of numbers that are actual telephone numbers, whether or not they are households. This is calculated by dividing the number of unusable telephone numbers by the total sample and subtracting the resulting percentage from 100. The percentage of unusable numbers for this survey was **15.4%**. For **84.6%** of the sample, the number matched an existing telephone number. A second measure is the percentage of numbers that are eligible households, which is **52.2%** for this survey. A third measure is the percentage of completed interviews in the total sample, which was **26.3%** for this survey.

Table 1 summarizes the sample by outcomes. The first column lists the outcomes and groups them as eligible or non-eligible numbers. The second column lists the number of cases (or telephone numbers) for each outcome. The third column is calculated by dividing the number of cases for each outcome by the total number of eligible or non-eligible cases. The fourth column is calculated by dividing the number of cases for each outcome by the total number of cases in the sample.

TABLE 1  
SAMPLE SUMMARY BY OUTCOMES

|                                       | N           | % OF<br>ELIGIBLE | % OF<br>ALL   |
|---------------------------------------|-------------|------------------|---------------|
| <b>ELIGIBLE:</b>                      |             |                  |               |
| COMPLETED                             | 1001        | 50.5%            | 26.3%         |
| NEVER REACHED CALLBACKS               | 114         | 5.8%             | 3.0%          |
| NO ANSWERS, BUSY, ANSWERING MACHINES  | 482         | 24.3%            | 12.7%         |
| REFUSALS                              | 355         | 17.9%            | 9.3%          |
| PARTIALS                              | 30          | 1.5%             | 0.8%          |
| TOTAL ELIGIBLE:                       | 1982        | 100.0%           | 52.2%         |
| <b>NON-ELIGIBLE:</b>                  |             |                  |               |
| PHONE NUMBER UNUSABLE                 | 584         | 32.1%            | 15.4%         |
| BUSINESS                              | 576         | 31.7%            | 15.2%         |
| PERSON UNABLE, OR UNAVAILABLE         | 37          | 2.0%             | 1.0%          |
| LANGUAGE BARRIER                      | 117         | 6.4%             | 3.1%          |
| HH NOT PARTICIPATE IN RECREATION      | 504         | 27.7%            | 13.3%         |
| TOTAL NON-ELIGIBLE:                   | 1818        | 100.0%           | 47.8%         |
| <b>TOTAL ELIGIBLE + NON-ELIGIBLE:</b> | <b>3800</b> |                  | <b>100.0%</b> |

### Level of Effort

Telephone numbers were typically called up to 5 times in an attempt to reach an eligible household. For non-eligible numbers, 1355 or 74.5% were resolved within the first two calls. For eligible numbers, only 716 or 36.2% were resolved within the first two calls. Of the never reached callbacks, 112 or 98% were called at least five times. Of the perpetual no answers, busy numbers, or answering machines, 470 or 97.5% were called at least five times. Table 2 summarizes the level of effort.



**Table 2: Level of Effort - Times Called by Outcomes**

| TIMES CALLED | COMPLETED | NEVER REACHED CALLBACKS OR MESSAGES | NO ANSWERS, BUSY, OR ANSWERING MACHINES | REFUSALS OR PARTIALS | PHONE NUMBER UNUSABLE | BUSINESS | PERSON UNABLE OR UNAVAILABLE | LANGUAGE BARRIER | HOUSEHOLD NOT PARTICIPATE IN RECREATION | TOTAL  |
|--------------|-----------|-------------------------------------|-----------------------------------------|----------------------|-----------------------|----------|------------------------------|------------------|-----------------------------------------|--------|
| 1            | N         | 398                                 | 0                                       | 17                   | 522                   | 319      | 8                            | 67               | 212                                     | 1543   |
|              | ROW %     | 25.8%                               | 0.0%                                    | 1.1%                 | 33.8%                 | 20.7%    | 0.5%                         | 4.3%             | 13.7%                                   | 100.0% |
|              | COL %     | 39.8%                               | 0.0%                                    | 4.4%                 | 89.4%                 | 55.4%    | 21.6%                        | 57.3%            | 42.1%                                   | 40.6%  |
| 2            | N         | 224                                 | 0                                       | 77                   | 28                    | 54       | 7                            | 19               | 119                                     | 528    |
|              | ROW %     | 42.4%                               | 0.0%                                    | 14.6%                | 5.3%                  | 10.2%    | 1.3%                         | 3.6%             | 22.5%                                   | 100.0% |
|              | COL %     | 22.4%                               | 0.0%                                    | 20.0%                | 4.8%                  | 9.4%     | 18.9%                        | 16.2%            | 23.6%                                   | 13.9%  |
| 3            | N         | 125                                 | 1                                       | 74                   | 11                    | 34       | 10                           | 10               | 67                                      | 334    |
|              | ROW %     | 37.4%                               | 0.3%                                    | 22.2%                | 3.3%                  | 10.2%    | 3.0%                         | 3.0%             | 20.1%                                   | 100.0% |
|              | COL %     | 12.5%                               | 0.9%                                    | 19.2%                | 1.9%                  | 5.9%     | 27.0%                        | 8.5%             | 13.3%                                   | 8.8%   |
| 4            | N         | 87                                  | 1                                       | 46                   | 2                     | 26       | 2                            | 4                | 35                                      | 213    |
|              | ROW %     | 40.8%                               | 0.5%                                    | 21.6%                | 0.9%                  | 12.2%    | 0.9%                         | 1.9%             | 16.4%                                   | 100.0% |
|              | COL %     | 8.7%                                | 0.9%                                    | 11.9%                | 0.3%                  | 4.5%     | 5.4%                         | 3.4%             | 6.9%                                    | 5.6%   |
| 5            | N         | 64                                  | 4                                       | 52                   | 3                     | 86       | 3                            | 10               | 29                                      | 268    |
|              | ROW %     | 23.9%                               | 1.5%                                    | 19.4%                | 1.1%                  | 32.1%    | 1.1%                         | 3.7%             | 10.8%                                   | 100.0% |
|              | COL %     | 6.4%                                | 3.5%                                    | 13.5%                | 0.5%                  | 14.9%    | 8.1%                         | 8.5%             | 5.8%                                    | 7.1%   |
| 6            | N         | 54                                  | 5                                       | 37                   | 9                     | 18       | 2                            | 4                | 19                                      | 172    |
|              | ROW %     | 31.4%                               | 2.9%                                    | 21.5%                | 5.2%                  | 10.5%    | 1.2%                         | 2.3%             | 11.0%                                   | 100.0% |
|              | COL %     | 5.4%                                | 4.4%                                    | 9.6%                 | 1.5%                  | 3.1%     | 5.4%                         | 3.4%             | 3.8%                                    | 4.5%   |
| 7            | N         | 32                                  | 70                                      | 40                   | 7                     | 34       | 3                            | 3                | 15                                      | 617    |
|              | ROW %     | 5.2%                                | 11.3%                                   | 6.5%                 | 1.1%                  | 5.5%     | 0.5%                         | 0.5%             | 2.4%                                    | 100.0% |
|              | COL %     | 3.2%                                | 61.4%                                   | 10.4%                | 1.2%                  | 5.9%     | 8.1%                         | 2.6%             | 3.0%                                    | 16.2%  |
| 8            | N         | 12                                  | 21                                      | 32                   | 2                     | 5        | 1                            | 0                | 6                                       | 90     |
|              | ROW %     | 13.3%                               | 23.3%                                   | 35.6%                | 2.2%                  | 5.6%     | 1.1%                         | 0.0%             | 6.7%                                    | 100.0% |
|              | COL %     | 1.2%                                | 18.4%                                   | 8.3%                 | 0.3%                  | 0.9%     | 2.7%                         | 0.0%             | 1.2%                                    | 2.4%   |
| 9            | N         | 5                                   | 7                                       | 6                    | 0                     | 0        | 1                            | 0                | 1                                       | 22     |
|              | ROW %     | 22.7%                               | 31.8%                                   | 27.3%                | 0.0%                  | 0.0%     | 4.5%                         | 0.0%             | 4.5%                                    | 100.0% |
|              | COL %     | 0.5%                                | 6.1%                                    | 1.6%                 | 0.0%                  | 0.0%     | 2.7%                         | 0.0%             | 0.2%                                    | 0.6%   |
| 10+          | N         | 0                                   | 5                                       | 4                    | 0                     | 0        | 0                            | 0                | 1                                       | 13     |
|              | ROW %     | 0.0%                                | 38.5%                                   | 30.8%                | 0.0%                  | 0.0%     | 0.0%                         | 0.0%             | 7.7%                                    | 100.0% |
|              | COL %     | 0.0%                                | 4.4%                                    | 1.0%                 | 0.0%                  | 0.0%     | 0.0%                         | 0.0%             | 0.2%                                    | 0.3%   |
| TOTAL        | N         | 1001                                | 114                                     | 482                  | 584                   | 576      | 37                           | 117              | 504                                     | 3800   |
|              | ROW %     | 26.3%                               | 3.0%                                    | 12.7%                | 15.4%                 | 15.2%    | 1.0%                         | 3.1%             | 13.3%                                   | 100.0% |
|              | COL %     | 100.0%                              | 100.0%                                  | 100.0%               | 100.0%                | 100.0%   | 100.0%                       | 100.0%           | 100.0%                                  | 100.0% |

**APPENDIX D**

**SURVEY RESPONSES  
BY  
QUESTION**

**LAKE BERRYESSA MARKET AREA SURVEY  
QUESTIONS WITH RESPONSES**

**Q1** Hello, my name is \_\_\_\_\_. I'm calling from the Survey Research Center at CSU, Chico, to ask for your participation in a survey for the Bureau of Reclamation. The Bureau is interested in your experiences with outdoor recreation activities such as picnicking, swimming, hiking, camping, or fishing. I'd like to begin by asking if you have participated in these or other outdoor recreation activities in the past 12 months?

| Q1 OUTDOOR RECREATION PAST 12 MONTHS | Frequency | % n=1001 |
|--------------------------------------|-----------|----------|
| Yes                                  | 829       | 82.8     |
| No                                   | 172       | 17.2     |
| Total                                | 1001      | 100      |

**q1a** About how often did you participate in outdoor recreation this spring since mid-March (St. Patrick's Day):

| Q1A SPRING PARTICIPATION    | Frequency | % n=1001 | % n=829 |
|-----------------------------|-----------|----------|---------|
| At least once a week        | 381       | 38.1     | 46      |
| Once or twice a month       | 231       | 23.1     | 27.9    |
| Once or twice during spring | 127       | 12.7     | 15.3    |
| Not at all during spring    | 90        | 9        | 10.9    |
| Not in past 12 months       | 172       | 17.2     |         |
| Total                       | 1001      | 100      | 100     |

**q1b** About how often did you participate in outdoor recreation activities last winter, that is between Thanksgiving Day and mid-March:

| Q1B WINTER PARTICIPATION    | Frequency | % n=1001 | % n=829 |
|-----------------------------|-----------|----------|---------|
| At least once a week        | 234       | 23.4     | 28.2    |
| Once or twice a month       | 271       | 27.1     | 32.7    |
| Once or twice during winter | 161       | 16.1     | 19.4    |
| Not at all during winter    | 163       | 16.3     | 19.7    |
| Not in past 12 months       | 172       | 17.2     |         |
| Total                       | 1001      | 100      | 100     |

q1c How about last fall, that is between September and Thanksgiving 1995?

| Q1C FALL PARTICIPATION    | Frequency | % n=1001 | % n=824 |
|---------------------------|-----------|----------|---------|
| At least once a week      | 368       | 36.8     | 44.7    |
| Once or twice a month     | 244       | 24.4     | 29.6    |
| Once or twice during fall | 133       | 13.3     | 16.1    |
| Not at all during fall    | 79        | 7.9      | 9.6     |
| Not in past 12 months     | 172       | 17.2     |         |
| Don't know                | 5         | 0.5      |         |
| Total                     | 1001      | 100      | 100     |

q1d How about last summer, that is between Memorial Day and Labor Day?

| Q1D SUMMER PARTICIPATION    | Frequency | % n=1001 | % n=824 |
|-----------------------------|-----------|----------|---------|
| At least once a week        | 535       | 53.4     | 64.9    |
| Once or twice a month       | 182       | 18.2     | 22.1    |
| Once or twice during summer | 90        | 9        | 10.9    |
| Not at all during summer    | 17        | 1.7      | 2.1     |
| Not in past 12 months       | 172       | 17.2     |         |
| Don't know                  | 5         | 0.5      |         |
| Total                       | 1001      | 100      | 100     |

q1e In the past 12 months have you participated in outdoor recreation on or near water such as a lake or river? (swimming, hiking, bicycling, camping, water skiing, fishing, boating, picnicking)

| Q1E PAST 12 MONTHS ON/NEAR WATER | Frequency | % n=1001 | % n=829 |
|----------------------------------|-----------|----------|---------|
| Yes                              | 656       | 65.5     | 79.1    |
| No                               | 173       | 17.3     | 20.9    |
| Not in past 12 months            | 172       | 17.2     |         |
| Total                            | 1001      | 100      | 100     |

**q1e1 In the past five years have you participated in outdoor recreation on or near water such as a lake or river? (swimming, hiking, bicycling, camping, water skiing, fishing, boating, picnicking)**

| <b>Q1E1 PAST 5 YEARS ON/NEAR WATER</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=345</b> |
|----------------------------------------|------------------|-----------------|----------------|
| Yes                                    | 227              | 22.7            | 65.8           |
| No                                     | 118              | 11.8            | 34.2           |
| Did in past 12 months (Q1E)            | 656              | 65.5            |                |
| <b>Total</b>                           | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q1f What is the name of where you most often participate in outdoor recreation on or near water, such as a lake or river?**

| <b>Q1F MOST OFTEN ON/NEAR WATER</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=868</b> |
|-------------------------------------|------------------|-----------------|----------------|
| Other                               | 340              | 34              | 39.1           |
| Folsom Lake                         | 27               | 2.7             | 3.1            |
| Lake Oroville                       | 6                | 0.6             | 0.7            |
| Lake Berryessa                      | 40               | 4               | 4.6            |
| Clear Lake                          | 23               | 2.3             | 2.6            |
| Lake Tahoe                          | 59               | 5.9             | 6.8            |
| Sacramento Delta                    | 39               | 3.9             | 4.5            |
| Sacramento River                    | 31               | 3.1             | 3.6            |
| American River                      | 32               | 3.2             | 3.7            |
| Feather River                       | 4                | 0.4             | 0.5            |
| S.F. Bay                            | 64               | 6.4             | 7.4            |
| Lake Shasta                         | 8                | 0.8             | 0.9            |
| North Coast                         | 106              | 10.6            | 12.2           |
| South Coast                         | 15               | 1.5             | 1.7            |
| Russian River                       | 29               | 2.9             | 3.3            |
| Yosemite                            | 10               | 1               | 1.2            |
| Out of state/country                | 35               | 3.5             | 4              |
| Don't participate on/near water     | 118              | 11.8            |                |
| Don't know                          | 15               | 1.5             |                |
| <b>Total</b>                        | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q1g During the past 12 months, about how often did you go to [fill most often q1f]?**

| HOW OFTEN WATER REC/12 MONTHS                 | Frequency   | % n=1001   | % n=646    |
|-----------------------------------------------|-------------|------------|------------|
| At least once a week                          | 137         | 13.7       | 21.2       |
| Once or twice a month                         | 164         | 16.4       | 25.4       |
| Several times a year                          | 222         | 22.2       | 34.4       |
| Once or twice a year                          | 123         | 12.3       | 19         |
| No water recreation past 12 months or DK(q1f) | 354         | 35.4       |            |
| Don't know                                    | 1           | 0.1        |            |
| <b>Total</b>                                  | <b>1001</b> | <b>100</b> | <b>100</b> |

**q1h What is the name of your FAVORITE AREA where you participate in outdoor recreation on or near water such as a lake or river?**

| Q1H FAVORATE ON/NEAR WATER | Frequency   | % n=1001   | % n=836    |
|----------------------------|-------------|------------|------------|
| Other                      | 302         | 30.2       | 36.1       |
| Folsom Lake                | 25          | 2.5        | 3          |
| Lake Oroville              | 3           | 0.3        | 0.4        |
| Lake Berryessa             | 32          | 3.2        | 3.8        |
| Clear Lake                 | 16          | 1.6        | 1.9        |
| Lake Tahoe                 | 103         | 10.3       | 12.3       |
| Sacramento Delta           | 15          | 1.5        | 1.8        |
| Sacramento River           | 19          | 1.9        | 2.3        |
| American River             | 15          | 1.5        | 1.8        |
| Feather River              | 5           | 0.5        | 0.6        |
| S.F. Bay                   | 42          | 4.2        | 5          |
| Lake Shasta                | 11          | 1.1        | 1.3        |
| North Coast                | 132         | 13.2       | 15.8       |
| South Coast                | 29          | 2.9        | 3.5        |
| Russian River              | 17          | 1.7        | 2          |
| Yosemite                   | 23          | 2.3        | 2.8        |
| Out of state/country       | 47          | 4.7        | 5.6        |
| Don't do water recreation  | 118         | 11.8       |            |
| Don't know                 | 47          | 4.7        |            |
| <b>Total</b>               | <b>1001</b> | <b>100</b> | <b>100</b> |

q1i During the past 12 months, about how often did you go to [favorite from q1h]?

| Q1I FREQUENT FAVORITE WATER 12/MONTHS          | Frequency   | % n=1001   | % n=621    |
|------------------------------------------------|-------------|------------|------------|
| At least once a week                           | 96          | 9.6        | 15.5       |
| Once or twice a mont                           | 131         | 13.1       | 21.1       |
| Several times a year                           | 195         | 19.5       | 31.4       |
| Once or twice a year                           | 156         | 15.6       | 25.1       |
| Not at all                                     | 43          | 4.3        | 6.9        |
| No water recreation past 12 & DK (Samp 1, q1h) | 378         | 37.8       |            |
| Don't know                                     | 2           | 0.2        |            |
| <b>Total</b>                                   | <b>1001</b> | <b>100</b> | <b>100</b> |

q1j With whom do you participate most often in outdoor recreation?

| Q1J PARTICIPATE WITH OUTDOOR RECREATION | Frequency   | % n=1001   |
|-----------------------------------------|-------------|------------|
| Other                                   | 1           | 0.1        |
| Just yourself                           | 81          | 8.1        |
| With friend/spouse                      | 250         | 25         |
| Family                                  | 283         | 28.3       |
| Group of families                       | 42          | 4.2        |
| Group of friends                        | 138         | 13.8       |
| Grp family & friends                    | 172         | 17.2       |
| "Organizations: club, school, church"   | 34          | 3.4        |
| <b>Total</b>                            | <b>1001</b> | <b>100</b> |

q1k How many people were in that group?

| Q1K NUMBER IN OUTDOOR REC GROUP | Frequency | % n=1001 |
|---------------------------------|-----------|----------|
| 1                               | 81        | 8.1      |
| 2                               | 285       | 28.5     |
| 3                               | 86        | 8.6      |
| 4                               | 139       | 13.9     |
| 5                               | 93        | 9.3      |
| 6                               | 60        | 6        |
| 7                               | 24        | 2.4      |
| 8                               | 32        | 3.2      |
| 9                               | 8         | 0.8      |
| 10                              | 61        | 6.1      |
| 11                              | 1         | 0.1      |
| 12                              | 33        | 3.3      |
| 13                              | 1         | 0.1      |
| 14                              | 4         | 0.4      |
| 15                              | 29        | 2.9      |
| 16                              | 3         | 0.3      |
| 18                              | 3         | 0.3      |
| 20                              | 26        | 2.6      |
| 22                              | 1         | 0.1      |
| 24                              | 1         | 0.1      |
| 25                              | 8         | 0.8      |
| 30                              | 4         | 0.4      |
| 35                              | 1         | 0.1      |
| 37                              | 1         | 0.1      |
| 40                              | 3         | 0.3      |
| 46                              | 1         | 0.1      |
| 50                              | 3         | 0.3      |
| 60                              | 2         | 0.2      |
| 75                              | 1         | 0.1      |
| 150                             | 1         | 0.1      |
| 200                             | 3         | 0.3      |
| Don't know                      | 2         | 0.2      |
| Total                           | 1001      | 100      |



**q2 Where do you get the most information about outdoor recreation areas:**

| Q2 SOURCES OF INFORMATION               | Frequency   | % n=1001   | % n=824    |
|-----------------------------------------|-------------|------------|------------|
| Other                                   | 39          | 3.9        | 4.7        |
| Friends/relatives                       | 407         | 40.7       | 49.4       |
| Newspapers                              | 86          | 8.6        | 10.4       |
| Businesses in area                      | 32          | 3.2        | 3.9        |
| Chamber of commerce                     | 36          | 3.6        | 4.4        |
| Magazines                               | 85          | 8.5        | 10.3       |
| TV shows/ads                            | 6           | 0.6        | 0.7        |
| Radio shows                             | 2           | 0.2        | 0.2        |
| Brochures/other mail                    | 49          | 4.9        | 5.9        |
| "Org pubs (AAA, NASCA"                  | 17          | 1.7        | 2.1        |
| Books/guides                            | 25          | 2.5        | 3          |
| State/Federal agencies                  | 8           | 0.8        | 1          |
| Businesses out of area                  | 2           | 0.2        | 0.2        |
| Personal experience                     | 23          | 2.3        | 2.8        |
| Phone book                              | 7           | 0.7        | 0.8        |
| No outdoor recreation in past 12 months | 172         | 17.2       |            |
| Don't know                              | 4           | 0.4        |            |
| Refused                                 | 1           | 0.1        |            |
| <b>Total</b>                            | <b>1001</b> | <b>100</b> | <b>100</b> |

**q3 I'd like to ask you about a dozen of the outdoor recreation activities most commonly enjoyed by Californians. Let's start with hiking or backpacking: did you go hiking or backpacking at all in the past 12 months?**

| Q3 HIKING OR BACKPACKING | Frequency   | % n=1001   | % n=829    |
|--------------------------|-------------|------------|------------|
| Yes                      | 445         | 44.5       | 53.7       |
| No                       | 384         | 38.4       | 46.3       |
| Not in past 12 months    | 172         | 17.2       |            |
| <b>Total</b>             | <b>1001</b> | <b>100</b> | <b>100</b> |

**q3a How often did you go hiking or backpacking in the past 12 months:**

| Q3A HIKING/BACKPACKING 12 MONTHS     | Frequency   | % n=1001   | % n=444    |
|--------------------------------------|-------------|------------|------------|
| At least once a week                 | 56          | 5.6        | 12.6       |
| Once or twice a mont                 | 118         | 11.8       | 26.6       |
| Several times a year                 | 129         | 12.9       | 29.1       |
| Once or twice a year                 | 141         | 14.1       | 31.8       |
| Did not hike/backpack past 12 months | 556         | 55.5       |            |
| DK                                   | 1           | 0.1        |            |
| <b>Total</b>                         | <b>1001</b> | <b>100</b> | <b>100</b> |

**q4 Did you go fishing at all during the past 12 months?**

| Q4 FISHING PAST 12 MONTHS          | Frequency   | Percent\1001 | % n=656    |
|------------------------------------|-------------|--------------|------------|
| Yes                                | 267         | 26.7         | 40.7       |
| No                                 | 389         | 38.9         | 59.3       |
| No water recreation past 12 months | 345         | 34.5         |            |
| <b>Total</b>                       | <b>1001</b> | <b>100</b>   | <b>100</b> |

**q4a How often did you go fishing during the past 12 months:**

| Q4A FREQUENCY FISHING 12 MONTHS | Frequency   | % n=1001   | % n=267    |
|---------------------------------|-------------|------------|------------|
| At least once a week            | 35          | 3.5        | 13.1       |
| Once or twice a mont            | 77          | 7.7        | 28.8       |
| Several times a year            | 90          | 9          | 33.7       |
| Once or twice a year            | 65          | 6.5        | 24.3       |
| No fishing past 12 months       | 734         | 73.3       |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q4b Did you fish from a boat, from shore, or from both?**

| Q4B BOAT/SHORE FISHING    | Frequency   | % n=1001   | % n=266    |
|---------------------------|-------------|------------|------------|
| Shore                     | 97          | 9.7        | 36.5       |
| Boat                      | 42          | 4.2        | 15.8       |
| Both                      | 127         | 12.7       | 47.7       |
| No fishing past 12 months | 734         | 73.3       |            |
| Don't know                | 1           | 0.1        |            |
| <b>Total</b>              | <b>1001</b> | <b>100</b> | <b>100</b> |

**q4b1 Is that:**

| Q4B1 SOURCE OF BOAT      | Frequency   | % n=1001   | % n=168    |
|--------------------------|-------------|------------|------------|
| Other                    | 3           | 0.3        | 1.8        |
| Boat you own             | 63          | 6.3        | 37.5       |
| Friend's/relative's boat | 65          | 6.5        | 38.7       |
| Rented boat              | 19          | 1.9        | 11.3       |
| Charter boat             | 18          | 1.8        | 10.7       |
| Don't fish from a boat   | 832         | 83.1       |            |
| Don't know               | 1           | 0.1        |            |
| <b>Total</b>             | <b>1001</b> | <b>100</b> | <b>100</b> |

**q4d What did you fish for most often?**

| Q4D TYPT OF FISH | Frequency   | % n=1001   | % n=253    |
|------------------|-------------|------------|------------|
| Other            | 30          | 3          | 11.9       |
| Trout            | 111         | 11.1       | 43.9       |
| Black Bass       | 19          | 1.9        | 7.5        |
| Striped Bass     | 31          | 3.1        | 12.3       |
| Catfish          | 22          | 2.2        | 8.7        |
| Salmon           | 20          | 2          | 7.9        |
| Other Bass       | 6           | 0.6        | 2.4        |
| Anything         | 14          | 1.4        | 5.5        |
| Don't fish       | 734         | 73.3       |            |
| Don't know       | 14          | 1.4        |            |
| <b>Total</b>     | <b>1001</b> | <b>100</b> | <b>100</b> |

**q4e Any other (type of fish)?**

| Q4E SECONDARY TYPES OF FISH | Frequency   | % n=1001   | % n=149    |
|-----------------------------|-------------|------------|------------|
| Other                       | 26          | 2.6        | 17.5       |
| Trout                       | 35          | 3.5        | 23.5       |
| Black Bass                  | 20          | 2          | 13.4       |
| Striped Bass                | 25          | 2.5        | 16.8       |
| Catfish                     | 14          | 1.4        | 9.4        |
| Salmon                      | 22          | 2.2        | 14.8       |
| Other Bass                  | 7           | 0.7        | 4.7        |
| Don't fish                  | 734         | 73.3       |            |
| No other type               | 114         | 11.4       |            |
| Don't know                  | 4           | 0.4        |            |
| <b>Total</b>                | <b>1001</b> | <b>100</b> | <b>100</b> |

**q5 Other than fishing, did you participate in any boating activities during the past 12 months? (kayaking, canoeing, sailing, rafting, houseboating, paddleboating, power boating, windsurfing, jet skiing, water skiing)**

| Q5 BOATING OTHER THAN FISHING | Frequency   | % n=1001   | % n=656    |
|-------------------------------|-------------|------------|------------|
| Yes                           | 324         | 32.4       | 49.4       |
| No                            | 332         | 33.2       | 50.6       |
| Do not fish                   | 345         | 34.5       |            |
| <b>Total</b>                  | <b>1001</b> | <b>100</b> | <b>100</b> |

**q5a What was the primary type of boating activity?**

| Q5A TYPE OF NON-FISHING BOATING             | Frequency   | % n=1001   | % n=324    |
|---------------------------------------------|-------------|------------|------------|
| Other                                       | 23          | 2.3        | 7.1        |
| Power boating                               | 48          | 4.8        | 14.8       |
| Sailing                                     | 48          | 4.8        | 14.8       |
| Water skiing                                | 115         | 11.5       | 35.5       |
| Kayaking/rowboating                         | 62          | 6.2        | 19.1       |
| Houseboating/pontoonboating                 | 8           | 0.8        | 2.5        |
| Jet skiing/waverunning                      | 19          | 1.9        | 5.9        |
| Windsurfing/sailboaring                     | 1           | 0.1        | 0.3        |
| No boating or no boating other than fishing | 677         | 67.6       |            |
| <b>total</b>                                | <b>1001</b> | <b>100</b> | <b>100</b> |

**q5a1 How often did you go [fill from q5a] during the past 12 months?**

| Q5A1 FREQUENCY NON-FISH BOATING             | Frequency | % n=1001 | % n=324 |
|---------------------------------------------|-----------|----------|---------|
| At least once a week                        | 26        | 2.6      | 8       |
| Once or twice a mont                        | 69        | 6.9      | 21.3    |
| Several times a year                        | 100       | 10       | 30.9    |
| Once or twice a year                        | 129       | 12.9     | 39.8    |
| No boating or no boating other than fishing | 677       | 67.6     |         |
| Total                                       | 1001      | 100      | 100     |

**q5b Any other types of boating?**

| Q5B SECONDARY OTHER BOATING                 | Frequency | % n=1001 | % n=109 |
|---------------------------------------------|-----------|----------|---------|
| Other                                       | 13        | 1.3      | 11.9    |
| Power boating                               | 14        | 1.4      | 12.8    |
| Sailing                                     | 10        | 1        | 9.2     |
| Water skiing                                | 19        | 1.9      | 17.4    |
| Kayaking/rowboating                         | 26        | 2.6      | 23.9    |
| Houseboating/pontoonboating                 | 4         | 0.4      | 3.7     |
| Jet skiing/waverunning                      | 21        | 2.1      | 19.3    |
| Windsurfing/sailboaring                     | 2         | 0.2      | 1.8     |
| No boating or no boating other than fishing | 677       | 67.6     |         |
| No Others                                   | 215       | 21.5     |         |
| Total                                       | 1001      | 100      | 100     |

**q5b1 How often did you go [fill from q5b] during the past 12 months:**

| Q5B1 FREQUENCY SECONDARY BOATING                | Frequency | % n=1001 | % n=108 |
|-------------------------------------------------|-----------|----------|---------|
| At least once a week                            | 7         | 0.7      | 6.5     |
| Once or twice a mont                            | 29        | 2.9      | 26.9    |
| Several times a year                            | 24        | 2.4      | 22.2    |
| Once or twice a year                            | 48        | 4.8      | 44.4    |
| No secondary/boating/boating other than fishing | 892       | 89.1     |         |
| Don't know                                      | 1         | 0.1      |         |
| Total                                           | 1001      | 100      | 100     |

**q5c Any other types of boating?**

| Q5C SECONDARY OTHER BOATING                 | Frequency | % n=1001 | % n=21 |
|---------------------------------------------|-----------|----------|--------|
| Other                                       | 6         | 0.6      | 28.6   |
| Power boating                               | 3         | 0.3      | 14.3   |
| Sailing                                     | 5         | 0.5      | 23.8   |
| Kayaking/rowboating                         | 2         | 0.2      | 9.5    |
| Jet skiing/waverunning                      | 3         | 0.3      | 14.3   |
| Windsurfing/sailboaring                     | 2         | 0.2      | 9.5    |
| No boating or no boating other than fishing | 892       | 89.1     |        |
| No Others                                   | 88        | 8.8      |        |
| Total                                       | 1001      | 100      | 100    |

**q5c1 How often did you go [fill from q5c] during the past 12 months:**

| Q5C1 FREQUENCY SECONDARY BOATING                | Frequency | % n=1001 | % n=21 |
|-------------------------------------------------|-----------|----------|--------|
| At least once a week                            | 4         | 0.4      | 19     |
| Once or twice a mont                            | 6         | 0.6      | 28.6   |
| Several times a year                            | 4         | 0.4      | 19     |
| Once or twice a year                            | 7         | 0.7      | 33.3   |
| No secondary/boating/boating other than fishing | 980       | 97.9     |        |
| Total                                           | 1001      | 100      | 100    |

**q5d Any other types of boating?**

| Q5D SECONDARY OTHER BOATING                 | Frequency | % n=1001 | % n=6 |
|---------------------------------------------|-----------|----------|-------|
| Other                                       | 1         | 0.1      | 16.7  |
| Water skiing                                | 2         | 0.2      | 33.3  |
| Kayaking/rowboating                         | 3         | 0.3      | 50    |
| No boating or no boating other than fishing | 980       | 97.9     |       |
| No Others                                   | 15        | 1.5      |       |
| Total                                       | 1001      | 100      | 100   |

**q5d1 How often did you go [fill from q5d] during the past 12 months:**

| Q5D1 FREQUENCY SECONDARY BOATING                | Frequency | % n=1001 | % n=6 |
|-------------------------------------------------|-----------|----------|-------|
| Once or twice a mont                            | 1         | 0.1      | 16.7  |
| Several times a year                            | 2         | 0.2      | 33.3  |
| Once or twice a year                            | 3         | 0.3      | 50    |
| No secondary/boating/boating other than fishing | 995       | 99.4     |       |
| Total                                           | 1001      | 100      | 100   |

**q5e Any other types of boating?**

| Q5E SECONDARY OTHER BOATING                 | Frequency | % n=1001 | % n=2 |
|---------------------------------------------|-----------|----------|-------|
| Kayaking/rowboating                         | 1         | 0.1      | 50    |
| Jet skiing/waverunning                      | 1         | 0.1      | 50    |
| No boating or no boating other than fishing | 995       | 99.4     |       |
| No Others                                   | 4         | 0.4      |       |
| Total                                       | 1001      | 100      | 100   |

**q5e1 How often did you go [fill from q5e] during the past 12 months:**

| Q5E1 FREQUENCY SECONDARY BOATING                | Frequency | % n=1001 | % n=2   |
|-------------------------------------------------|-----------|----------|---------|
| Once or twice a year                            | 2         | 0.2      | 100     |
| No secondary/boating/boating other than fishing | 999       | 99.8     | Missing |
| Total                                           | 1001      | 100      | 100     |

**q6 During the past 12 months, did you participate in any beach activities such as sitting, sunbathing, or beach games?**

| Q6 BEACH ACTIVE PAST 12 MONTHS     | Frequency | % n=1001 | % n=656 |
|------------------------------------|-----------|----------|---------|
| Yes                                | 484       | 48.4     | 73.8    |
| No                                 | 172       | 17.2     | 26.2    |
| No water activities past 12 months | 345       | 34.5     |         |
| Total                              | 1001      | 100      | 100     |

**q6a How often did you participate in any beach activities?**

| <b>Q6 FREQUENCY BEACH 12 MONTHS</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>Percent484</b> |
|-------------------------------------|------------------|-----------------|-------------------|
| At least once a week                | 61               | 6.1             | 12.6              |
| Once or twice a mont                | 116              | 11.6            | 24                |
| Several times a year                | 207              | 20.7            | 42.8              |
| Once or twice a year                | 100              | 10              | 20.7              |
| No beach activities past 12 months  | 517              | 51.6            |                   |
| <b>Total</b>                        | <b>1001</b>      | <b>100</b>      | <b>100</b>        |

**q6b In the past 12 months, did you go swimming in any place other than a home pool?**

| <b>Q6B SWIMMING PAST 12 MONTHS</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=656</b> |
|------------------------------------|------------------|-----------------|----------------|
| Yes                                | 421              | 42.1            | 64.2           |
| No                                 | 235              | 23.5            | 35.8           |
| No water activities past 12 months | 345              | 34.5            |                |
| <b>Total</b>                       | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q6c About how often did you swim in places other than a home pool during the past 12 months?**

| <b>Q6C AMOUNT SWIM PAST 12 MONTHS</b>      | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=421</b> |
|--------------------------------------------|------------------|-----------------|----------------|
| At least once a week                       | 75               | 7.5             | 17.8           |
| Once or twice a mont                       | 99               | 9.9             | 23.5           |
| Several times a year                       | 170              | 17              | 40.4           |
| Once or twice a year                       | 77               | 7.7             | 18.3           |
| No swimming other than pool past 12 months | 580              | 57.9            |                |
| <b>Total</b>                               | <b>1001</b>      | <b>100</b>      | <b>100</b>     |



**q6d Was that primarily in?**

| Q6D SWIMMING LOCATION                      | Frequency | % n=1001 | % n=421 |
|--------------------------------------------|-----------|----------|---------|
| Other                                      | 12        | 1.2      | 2.9     |
| public pools                               | 87        | 8.7      | 20.7    |
| lakes/rivers/oceans                        | 322       | 32.2     | 76.5    |
| No swimming other than pool past 12 months | 580       | 57.9     |         |
| Total                                      | 1001      | 100      | 100     |

**q7 Did you go camping at all during the past 12 months?**

| Q7 CAMPING PAST 12 MONTHS            | Frequency | % n=1001 | % n=829 |
|--------------------------------------|-----------|----------|---------|
| Yes                                  | 409       | 40.9     | 49.3    |
| No                                   | 420       | 42       | 50.7    |
| No outdoor recreation past 12 months | 172       | 17.2     |         |
| Total                                | 1001      | 100      | 100     |

**q7a How often did you camp during the past 12 months?**

| Q7A FREQUENCY CAMPING     | Frequency | % n=1001 | % n=409 |
|---------------------------|-----------|----------|---------|
| At least once a week      | 10        | 1        | 2.4     |
| Once or twice a mont      | 72        | 7.2      | 17.6    |
| Several times a year      | 144       | 14.4     | 35.2    |
| Once or twice a year      | 183       | 18.3     | 44.7    |
| No camping past 12 months | 592       | 59.1     |         |
| Total                     | 1001      | 100      | 100     |

**q7b Did you go camping most often in?**

| Q7B TYPE OF CAMPING       | Frequency | % n=1001 | % n=403 |
|---------------------------|-----------|----------|---------|
| Other                     | 13        | 1.3      | 3.2     |
| pickup w/ camper she      | 27        | 2.7      | 6.7     |
| s-contained pickup c      | 10        | 1        | 2.5     |
| motohome                  | 32        | 3.2      | 7.9     |
| pop-up trailer            | 10        | 1        | 2.5     |
| s-contained trailer       | 22        | 2.2      | 5.5     |
| tent                      | 289       | 28.9     | 71.7    |
| No camping past 12 months | 592       | 59.1     |         |
| Don't know                | 6         | 0.6      |         |
| Total                     | 1001      | 100      | 100     |

**q7c In the past 12 months, did you go camping in anything other than [fill from q7b]?**

| Q7C SECONDARY CAMPING     | Frequency | % n=1001 | % n=409 |
|---------------------------|-----------|----------|---------|
| Yes                       | 77        | 7.7      | 18.8    |
| No                        | 332       | 33.2     | 81.2    |
| No camping past 12 months | 592       | 59.1     |         |
| Total                     | 1001      | 100      | 100     |

**q7d What was that?**

| Q7D SECONDARY TYPE CAMPING | Frequency | % n=1001 | % n=72 |
|----------------------------|-----------|----------|--------|
| Other                      | 12        | 1.2      | 16.7   |
| pickup w/ camper she       | 10        | 1        | 13.9   |
| s-contained pickup c       | 5         | 0.5      | 6.9    |
| motohome                   | 7         | 0.7      | 9.7    |
| pop-up trailer             | 5         | 0.5      | 6.9    |
| s-contained trailer        | 2         | 0.2      | 2.8    |
| tent                       | 31        | 3.1      | 43.1   |
| No camping/secondary type  | 924       | 92.3     |        |
| Don't know                 | 5         | 0.5      |        |
| Total                      | 1001      | 100      | 100    |

**q7e Allows for one more camping type**

| Q7E THIRD TYPE OF CAMPING | Frequency   | % n=1001   | % n=11     |
|---------------------------|-------------|------------|------------|
| Other                     | 4           | 0.4        | 36.4       |
| pickup w/ camper she      | 2           | 0.2        | 18.2       |
| s-contained pickup c      | 1           | 0.1        | 9          |
| motohome                  | 3           | 0.3        | 27.3       |
| tent                      | 1           | 0.1        | 9          |
| No camping/third type     | 990         | 98.9       |            |
| <b>Total</b>              | <b>1001</b> | <b>100</b> | <b>100</b> |

**q8 Now I am going to read a list of campsite characteristics. Please tell me how important each is to you when choosing a campsite. First, how important is having a campsite on or near the water: very important, somewhat important, or not important?**

| Q8 CAMPSITE NEAR WATER    | Frequency   | % n=1001   | Percent(n=409) |
|---------------------------|-------------|------------|----------------|
| Very important            | 198         | 19.8       | 48.4           |
| Somewhat important        | 160         | 16         | 39.1           |
| Not important             | 51          | 5.1        | 12.5           |
| No camping past 12 months | 592         | 59.1       |                |
| <b>Total</b>              | <b>1001</b> | <b>100</b> | <b>100</b>     |

**q8a What about having a site near restrooms: very important, somewhat important, or not important?**

| Q8A CAMPSITE NEAR RESTROOM | Frequency   | % n=1001   | % n=409    |
|----------------------------|-------------|------------|------------|
| Very important             | 184         | 18.4       | 45         |
| Somewhat important         | 146         | 14.6       | 35.7       |
| Not important              | 79          | 7.9        | 19.3       |
| No camping past 12 months  | 592         | 59.1       |            |
| <b>Total</b>               | <b>1001</b> | <b>100</b> | <b>100</b> |

**q8b How about having restrooms with flush toilets?  
(very important, somewhat important, or not important)**

| <b>Q8B RESTROOMS WITH FLUSH TOILETS</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=409</b> |
|-----------------------------------------|------------------|-----------------|----------------|
| Very important                          | 164              | 16.4            | 40.1           |
| Somewhat important                      | 125              | 12.5            | 30.6           |
| Not important                           | 120              | 12              | 29.3           |
| No camping past 12 months               | 592              | 59.1            |                |
| <b>Total</b>                            | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q8c How important is having a site with a waste dump station nearby: very important, somewhat important, or not important?**

| <b>Q8C WASTE DUMP STATION</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=92</b> |
|-------------------------------|------------------|-----------------|---------------|
| Very important                | 26               | 2.6             | 28.3          |
| Somewhat important            | 31               | 3.1             | 33.7          |
| Not important                 | 35               | 3.5             | 38            |
| No RV camping                 | 909              | 90.8            |               |
| <b>Total</b>                  | <b>1001</b>      | <b>100</b>      | <b>100</b>    |

**q8d Campgrounds with hot showers?**

| <b>Q8D HOT SHOWERS</b>    | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=409</b> |
|---------------------------|------------------|-----------------|----------------|
| Very important            | 137              | 13.7            | 33.5           |
| Somewhat important        | 136              | 13.6            | 33.3           |
| Not important             | 136              | 13.6            | 33.3           |
| No camping past 12 months | 592              | 59.1            |                |
| <b>Total</b>              | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q8e Campsites with full hookup facilities including water and electricity connections?**

| <b>Q8E FULL HOOKUPS</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=92</b> |
|-------------------------|------------------|-----------------|---------------|
| Very important          | 26               | 2.6             | 28.3          |
| Somewhat important      | 35               | 3.5             | 38            |
| Not important           | 31               | 3.1             | 33.7          |
| No RV camping           | 909              | 90.8            |               |
| Total                   | 1001             | 100             | 100           |

**q8f Do you use a boat when you go camping?**

| <b>Q8F BOAT WHEN CAMPING</b>          | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=394</b> |
|---------------------------------------|------------------|-----------------|----------------|
| Yes                                   | 140              | 14              | 35.5           |
| No                                    | 254              | 25.4            | 64.5           |
| No camping past 12 months or no water | 605              | 60.4            |                |
| Don't know                            | 2                | 0.2             |                |
| Total                                 | 1001             | 100             | 100            |

**q8f1 How important is camping near a boat launching ramp: very important, somewhat important, or not important?**

| <b>Q8F1 NEAR LAUNCHING RAMP</b>            | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=140</b> |
|--------------------------------------------|------------------|-----------------|----------------|
| Very important                             | 48               | 4.8             | 34.3           |
| Somewhat important                         | 48               | 4.8             | 34.3           |
| Not important                              | 44               | 4.4             | 31.4           |
| No camping past 12 months or no water/boat | 861              | 86              |                |
| Total                                      | 1001             | 100             | 100            |

**q9 During the past 12 months, did you go horseback riding anywhere other than at or near your home?**

| Q9 HORSEBACK RIDING                  | Frequency   | % n=1001   | % n=829    |
|--------------------------------------|-------------|------------|------------|
| Yes                                  | 75          | 7.5        | 9          |
| No                                   | 754         | 75.3       | 91         |
| No outdoor recreation past 12 months | 172         | 17.2       |            |
| <b>Total</b>                         | <b>1001</b> | <b>100</b> | <b>100</b> |

**q9a How often did you go horseback riding anywhere other than at home:**

| Q9A FREQUENCY OF HORSEBACK RIDING          | Frequency   | % n=1001   | % n=74     |
|--------------------------------------------|-------------|------------|------------|
| At least once a week                       | 5           | 0.5        | 6.8        |
| Once or twice a month                      | 5           | 0.5        | 6.8        |
| Several times a year                       | 15          | 1.5        | 20.3       |
| Once or twice a year                       | 49          | 4.9        | 66.2       |
| No horseback and/or outdoor past 12 months | 926         | 92.5       |            |
| Refused                                    | 1           | 0.1        |            |
| <b>Total</b>                               | <b>1001</b> | <b>100</b> | <b>100</b> |

**q10 Did you golf, or play tennis or volleyball during the past 12 months?**

| Q10 GOLF/TENNIS/VOLLEYBALL           | Frequency   | % n=1001   | % n=829    |
|--------------------------------------|-------------|------------|------------|
| Yes                                  | 409         | 40.9       | 49.3       |
| No                                   | 420         | 42         | 50.7       |
| No outdoor recreation past 12 months | 172         | 17.2       |            |
| <b>Total</b>                         | <b>1001</b> | <b>100</b> | <b>100</b> |

**q10a How often during the past 12 months did you golf:**

| Q10A GOLF PAST 12 MONTHS                          | Frequency | % n=1001 | % n=409 |
|---------------------------------------------------|-----------|----------|---------|
| At least once a week                              | 42        | 4.2      | 10.3    |
| Once or twice a month                             | 52        | 5.2      | 12.7    |
| Several times a year                              | 58        | 5.8      | 14.2    |
| Once or twice a year                              | 51        | 5.1      | 12.5    |
| Not at all                                        | 206       | 20.6     | 50.4    |
| No on q10 or no outdoor recreation past 12 months | 592       | 59.1     |         |
| Total                                             | 1001      | 100      | 100     |

**q10b How often during the past 12 months did you play tennis?**

| Q10B TENNIS PAST 12 MONTHS                        | Frequency | % n=1001 | % n=409 |
|---------------------------------------------------|-----------|----------|---------|
| At least once a week                              | 34        | 3.4      | 8.3     |
| Once or twice a month                             | 53        | 5.3      | 13      |
| Several times a year                              | 47        | 4.7      | 11.5    |
| Once or twice a year                              | 53        | 5.3      | 13      |
| Not at all                                        | 222       | 22.2     | 54.3    |
| No on q10 or no outdoor recreation past 12 months | 592       | 59.1     |         |
| Total                                             | 1001      | 100      | 100     |

**q10c (How often during the past 12 months did you play) volleyball?**

| Q10C VOLLEYBALL PAST 12 MONTHS                    | Frequency | % n=1001 | % n=409 |
|---------------------------------------------------|-----------|----------|---------|
| At least once a week                              | 21        | 2.1      | 5.1     |
| Once or twice a month                             | 34        | 3.4      | 8.3     |
| Several times a year                              | 56        | 5.6      | 13.7    |
| Once or twice a year                              | 96        | 9.6      | 23.5    |
| Not at all                                        | 202       | 20.2     | 49.4    |
| No on q10 or no outdoor recreation past 12 months | 592       | 59.1     |         |
| Total                                             | 1001      | 100      | 100     |

**q11 During the past 12 months, did you go mountain biking or road bicycling?**

| Q11 MOUNTAIN/ROAD BIKING             | Frequency   | % n=1001   | % n=829    |
|--------------------------------------|-------------|------------|------------|
| Yes mountain bike                    | 128         | 12.8       | 15.4       |
| Yes road bike                        | 195         | 19.5       | 23.5       |
| Yes both                             | 61          | 6.1        | 7.4        |
| No neither                           | 445         | 44.5       | 53.7       |
| No outdoor recreation past 12 months | 172         | 17.2       |            |
| <b>Total</b>                         | <b>1001</b> | <b>100</b> | <b>100</b> |

**q11a How often did you go mountain biking during the past 12 months?**

| Q11A MOUNTAIN BIKE PAST 12 MONTHS                | Frequency   | % n=1001   | % n=189    |
|--------------------------------------------------|-------------|------------|------------|
| At least once a week                             | 43          | 4.3        | 22.8       |
| Once or twice a month                            | 41          | 4.1        | 21.7       |
| Several times a year                             | 65          | 6.5        | 34.4       |
| Once or twice a year                             | 40          | 4          | 21.2       |
| No on q11 or road bike only or no past 12 months | 812         | 81.1       |            |
| <b>Total</b>                                     | <b>1001</b> | <b>100</b> | <b>100</b> |

**q11b How often did you go road bicycling during the past 12 months?**

| Q11B ROAD BIKING PAST 12 MONTHS                | Frequency   | % n=1001   | % n=256    |
|------------------------------------------------|-------------|------------|------------|
| At least once a week                           | 76          | 7.6        | 29.7       |
| Once or twice a month                          | 67          | 6.7        | 26.2       |
| Several times a year                           | 75          | 7.5        | 29.3       |
| Once or twice a year                           | 38          | 3.8        | 14.8       |
| No on q11 or Mt bike only or no past 12 months | 745         | 74.4       |            |
| <b>Total</b>                                   | <b>1001</b> | <b>100</b> | <b>100</b> |



**q12 Did you use any type of off road vehicle for recreation during the past 12 months?  
(dirtbiking, ATViing, 4-wheel driving, dunebuggying)**

| Q12 OFF ROAD VEHICLES                | Frequency   | % n=1001   | % n=829    |
|--------------------------------------|-------------|------------|------------|
| Yes                                  | 123         | 12.3       | 14.8       |
| No                                   | 706         | 70.5       | 85.2       |
| No outdoor recreation past 12 months | 172         | 17.2       |            |
| <b>Total</b>                         | <b>1001</b> | <b>100</b> | <b>100</b> |

**q12a What was your primary off road activity?**

| Q12A TYPE ORV ACTIVITY                            | Frequency   | % N=1001   | % N=123    |
|---------------------------------------------------|-------------|------------|------------|
| Other                                             | 10          | 1          | 8.1        |
| Dirt biking                                       | 19          | 1.9        | 15.4       |
| four-wheel driving                                | 77          | 7.7        | 62.6       |
| quadrunning or ATViin                             | 13          | 1.3        | 10.6       |
| dunebuggying                                      | 4           | 0.4        | 3.3        |
| No on q12 or no outdoor recreation past 12 months | 878         | 87.7       |            |
| <b>Total</b>                                      | <b>1001</b> | <b>100</b> | <b>100</b> |

**q12b How often did you go [fill C12a] during the past 12 months?**

| Q12B FREQUENCY OF OVR ACTIVITIES                  | Frequency   | % n=1001   | % n=120    |
|---------------------------------------------------|-------------|------------|------------|
| At least once a week                              | 15          | 1.5        | 12.5       |
| Once or twice a month                             | 19          | 1.9        | 15.8       |
| Several times a year                              | 31          | 3.1        | 25.8       |
| Once or twice a year                              | 55          | 5.5        | 45.8       |
| No on q12 or no outdoor recreation past 12 months | 878         | 87.7       |            |
| Don't know                                        | 3           | 0.3        |            |
| <b>Total</b>                                      | <b>1001</b> | <b>100</b> | <b>100</b> |

q12c Any others than the primary off road vehicle: [fill C12a]?

| Q12C 2 <sup>ND</sup> OVR                          | Frequency   | % n=1001   | % n=19     |
|---------------------------------------------------|-------------|------------|------------|
| Other                                             | 1           | 0.1        | 5.3        |
| Dirt biking                                       | 5           | 0.5        | 26.3       |
| four-wheel driving                                | 6           | 0.6        | 31.6       |
| quadrunning or ATVing                             | 5           | 0.5        | 26.3       |
| dunebuggying                                      | 2           | 0.2        | 10.5       |
| No on q12 or no outdoor recreation past 12 months | 878         | 87.7       |            |
| No others                                         | 104         | 10.4       |            |
| <b>Total</b>                                      | <b>1001</b> | <b>100</b> | <b>100</b> |

q12d How often did you go [fill C12c] during the past 12 months?

| Q12D FREQUENCY 2 <sup>ND</sup> OVR | Frequency   | % n=1001   | % n=19     |
|------------------------------------|-------------|------------|------------|
| At least once a week               | 2           | 0.2        | 10.5       |
| Once or twice a month              | 3           | 0.3        | 15.8       |
| Several times a year               | 3           | 0.3        | 15.8       |
| Once or twice a year               | 11          | 1.1        | 57.9       |
| No OVR or no other OVR             | 982         | 98.1       |            |
| <b>Total</b>                       | <b>1001</b> | <b>100</b> | <b>100</b> |

| Q12E FREQUENCY 3 <sup>RD</sup> ORV | Frequency   | % n=1001   | % n=3      |
|------------------------------------|-------------|------------|------------|
| Once or twice a month              | 1           | 0.1        | 33.3       |
| Several times a year               | 2           | 0.2        | 66.7       |
| No OVR or no 3rd OVR               | 998         | 99.7       |            |
| <b>Total</b>                       | <b>1001</b> | <b>100</b> | <b>100</b> |

| Q12E FREQUENCY 4th ORV | Frequency   | % n=1001   | % n=3      |
|------------------------|-------------|------------|------------|
| At least once a week   | 1           | 0.1        | 33.3       |
| Once or twice a month  | 1           | 0.1        | 33.3       |
| Once or twice a year   | 1           | 0.1        | 33.3       |
| No OVR or no 4th OVR   | 998         | 99.7       |            |
| <b>Total</b>           | <b>1001</b> | <b>100</b> | <b>100</b> |

**q13 Did you go picnicking in parks or recreation areas during the past 12 months?**

| Q13 PICNICKING PAST 12 MONTHS        | Frequency | % n=1001 | % n=829 |
|--------------------------------------|-----------|----------|---------|
| Yes                                  | 647       | 64.6     | 78      |
| No                                   | 182       | 18.2     | 22      |
| No outdoor recreation past 12 months | 172       | 17.2     |         |
| Total                                | 1001      | 100      | 100     |

**q13a About how often did you go picnicking during the past 12 months?**

| Q13A FREQUENCY PICNICKING                          | Frequency | % n=1001 | % n=647 |
|----------------------------------------------------|-----------|----------|---------|
| At least once a week                               | 32        | 3.2      | 4.9     |
| Once or twice a month                              | 170       | 17       | 26.3    |
| Several times a year                               | 304       | 30.4     | 47      |
| Once or twice a year                               | 141       | 14.1     | 21.8    |
| No picnicking or outdoor recreation past 12 months | 354       | 35.4     |         |
| Total                                              | 1001      | 100      | 100     |

**q14 During the past 12 months, did you participate in any nature activities such as birdwatching, viewing wildlife, nature studies, or visiting natural areas away from your home?**

| Q14 NATURE ACTIVITIES 12 MONTHS      | Frequency | % n=1001 | % n=829 |
|--------------------------------------|-----------|----------|---------|
| Yes                                  | 430       | 43       | 51.9    |
| No                                   | 399       | 39.9     | 48.1    |
| No outdoor recreation past 12 months | 172       | 17.2     |         |
| Total                                | 1001      | 100      | 100     |

**q14a During the past 12 months, how often did you go birdwatching somewhere other than your home?**

| Q14A BIRDWATCHING 12 MONTHS                     | Frequency   | % n=1001   | % n=219    |
|-------------------------------------------------|-------------|------------|------------|
| At least once a week                            | 32          | 3.2        | 14.6       |
| Once or twice a month                           | 26          | 2.6        | 11.9       |
| Several times a year                            | 64          | 6.4        | 29.2       |
| Once or twice a year                            | 97          | 9.7        | 44.3       |
| Birdwatching not one of their nature activities | 211         | 21.1       |            |
| No nature activities past 12 months             | 571         | 57         |            |
| <b>Total</b>                                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q14b How often in the past 12 months did you go somewhere other than your home to photograph or view wildlife?**

| Q14B FREQUENCY PHOTO/VIEW WILDLIFE            | Frequency   | % n=1001   | % n=317    |
|-----------------------------------------------|-------------|------------|------------|
| At least once a week                          | 28          | 2.8        | 8.8        |
| Once or twice a month                         | 46          | 4.6        | 14.5       |
| Several times a year                          | 112         | 11.2       | 35.3       |
| Once or twice a year                          | 131         | 13.1       | 41.3       |
| Photo/view not one of their nature activities | 113         | 11.3       |            |
| No nature activities past 12 months           | 571         | 57         |            |
| <b>Total</b>                                  | <b>1001</b> | <b>100</b> | <b>100</b> |

**q14c How about nature study or visiting natural areas?**

| Q14C NATURE STUDY                               | Frequency   | % n=1001   | % n=381    |
|-------------------------------------------------|-------------|------------|------------|
| At least once a week                            | 35          | 3.5        | 9.2        |
| Once or twice a month                           | 57          | 5.7        | 15         |
| Several times a year                            | 122         | 12.2       | 32         |
| Once or twice a year                            | 167         | 16.7       | 43.8       |
| Nature study not one of their nature activities | 49          | 4.9        |            |
| No nature activities past 12 months             | 571         | 57         |            |
| <b>Total</b>                                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q15 About how many trips did you make to outdoor recreation areas on or near water during the past 12 months?**

| Q15 TRIPS ON/NEAR WATER PAST 12 MONTHS             | Frequency | % N=1001 | % N=649 |
|----------------------------------------------------|-----------|----------|---------|
| Number of trips                                    |           |          |         |
| 1                                                  | 24        | 2.4      | 3.7     |
| 2                                                  | 50        | 5        | 7.7     |
| 3                                                  | 35        | 3.5      | 5.4     |
| 4                                                  | 47        | 4.7      | 7.2     |
| 5                                                  | 49        | 4.9      | 7.6     |
| 6                                                  | 61        | 6.1      | 9.4     |
| 7                                                  | 7         | 0.7      | 1.1     |
| 8                                                  | 24        | 2.4      | 3.7     |
| 9                                                  | 5         | 0.5      | 0.8     |
| 10                                                 | 41        | 4.1      | 6.3     |
| 11                                                 | 2         | 0.2      | 0.3     |
| 12                                                 | 74        | 7.4      | 11.4    |
| 13                                                 | 1         | 0.1      | 0.2     |
| 14                                                 | 3         | 0.3      | 0.5     |
| 15                                                 | 24        | 2.4      | 3.7     |
| 16                                                 | 2         | 0.2      | 0.3     |
| 17                                                 | 1         | 0.1      | 0.2     |
| 18                                                 | 3         | 0.3      | 0.5     |
| 20                                                 | 35        | 3.5      | 5.4     |
| 23                                                 | 1         | 0.1      | 0.2     |
| 24                                                 | 21        | 2.1      | 3.2     |
| 25                                                 | 13        | 1.3      | 2       |
| 26                                                 | 1         | 0.1      | 0.2     |
| 27                                                 | 2         | 0.2      | 0.3     |
| 30                                                 | 25        | 2.5      | 3.9     |
| 32                                                 | 3         | 0.3      | 0.5     |
| 35                                                 | 4         | 0.4      | 0.6     |
| 36                                                 | 3         | 0.3      | 0.5     |
| 40                                                 | 17        | 1.7      | 2.6     |
| 45                                                 | 3         | 0.3      | 0.5     |
| 48                                                 | 2         | 0.2      | 0.3     |
| 50                                                 | 20        | 2        | 3.1     |
| 52                                                 | 16        | 1.6      | 2.5     |
| 60                                                 | 1         | 0.1      | 0.2     |
| 65                                                 | 1         | 0.1      | 0.2     |
| 75                                                 | 1         | 0.1      | 0.2     |
| 80                                                 | 1         | 0.1      | 0.2     |
| 90                                                 | 1         | 0.1      | 0.2     |
| 100                                                | 25        | 2.5      | 3.9     |
| No outdoor recreation on/near water past 12 months | 345       | 34.5     |         |
| Don't know                                         | 6         | 0.6      |         |
| Refused                                            | 1         | 0.1      |         |
| Total                                              | 1001      | 100      | 100     |

**q15a How many days did you stay on a typical trip to an outdoor recreation area on or near water?**

| 15A LENGTH OF TRIP ON/NEAR WATER                   | Frequency   | % n=1001   | % n=654    |
|----------------------------------------------------|-------------|------------|------------|
| Number of days                                     |             |            |            |
| 0                                                  | 9           | 0.9        | 1.4        |
| 1                                                  | 255         | 25.5       | 39         |
| 2                                                  | 147         | 14.7       | 22.5       |
| 3                                                  | 130         | 13         | 19.9       |
| 4                                                  | 43          | 4.3        | 6.6        |
| 5                                                  | 15          | 1.5        | 2.3        |
| 6                                                  | 4           | 0.4        | 0.6        |
| 7                                                  | 26          | 2.6        | 4          |
| 9                                                  | 1           | 0.1        | 0.2        |
| 10                                                 | 4           | 0.4        | 0.6        |
| 14                                                 | 10          | 1          | 1.5        |
| 15                                                 | 1           | 0.1        | 0.2        |
| 21                                                 | 3           | 0.3        | 0.5        |
| 32                                                 | 1           | 0.1        | 0.2        |
| 42                                                 | 1           | 0.1        | 0.2        |
| 60                                                 | 1           | 0.1        | 0.2        |
| 120                                                | 1           | 0.1        | 0.2        |
| 182                                                | 1           | 0.1        | 0.2        |
| 365                                                | 1           | 0.1        | 0.2        |
| No outdoor recreation on/near water past 12 months | 345         | 34.5       |            |
| Don't know                                         | 2           | 0.2        |            |
| <b>Total</b>                                       | <b>1001</b> | <b>100</b> | <b>100</b> |

**q15b About how much money did you spend at an outdoor recreation area on or near water during a typical trip?**

| <b>Q15B AMOUNT SPENT ON/NEAR WATER</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=623</b> |
|----------------------------------------|------------------|-----------------|----------------|
| Dollars                                |                  |                 |                |
| 0                                      | 94               | 9.4             | 15.1           |
| 1                                      | 4                | 0.4             | 0.6            |
| 2                                      | 5                | 0.5             | 0.8            |
| 3                                      | 4                | 0.4             | 0.6            |
| 4                                      | 5                | 0.5             | 0.8            |
| 5                                      | 19               | 1.9             | 3              |
| 7                                      | 3                | 0.3             | 0.5            |
| 8                                      | 2                | 0.2             | 0.3            |
| 10                                     | 39               | 3.9             | 6.3            |
| 12                                     | 3                | 0.3             | 0.5            |
| 13                                     | 1                | 0.1             | 0.2            |
| 15                                     | 10               | 1               | 1.6            |
| 16                                     | 1                | 0.1             | 0.2            |
| 17                                     | 1                | 0.1             | 0.2            |
| 18                                     | 1                | 0.1             | 0.2            |
| 20                                     | 41               | 4.1             | 6.6            |
| 21                                     | 1                | 0.1             | 0.2            |
| 25                                     | 26               | 2.6             | 4.2            |
| 30                                     | 28               | 2.8             | 4.5            |
| 32                                     | 1                | 0.1             | 0.2            |
| 35                                     | 1                | 0.1             | 0.2            |
| 40                                     | 23               | 2.3             | 3.7            |
| 45                                     | 1                | 0.1             | 0.2            |
| 50                                     | 60               | 6               | 9.6            |
| 60                                     | 10               | 1               | 1.6            |
| 70                                     | 3                | 0.3             | 0.5            |
| 75                                     | 12               | 1.2             | 1.9            |
| 80                                     | 7                | 0.7             | 1.1            |
| 85                                     | 1                | 0.1             | 0.2            |
| 90                                     | 1                | 0.1             | 0.2            |
| 100                                    | 75               | 7.5             | 12             |
| 105                                    | 1                | 0.1             | 0.2            |
| 120                                    | 1                | 0.1             | 0.2            |
| 145                                    | 1                | 0.1             | 0.2            |
| 150                                    | 23               | 2.3             | 3.7            |
| 175                                    | 1                | 0.1             | 0.2            |
| 180                                    | 2                | 0.2             | 0.3            |
| 200                                    | 49               | 4.9             | 7.9            |
| 240                                    | 1                | 0.1             | 0.2            |
| 250                                    | 2                | 0.2             | 0.3            |
| 275                                    | 1                | 0.1             | 0.2            |
| 300                                    | 19               | 1.9             | 3              |
| 400                                    | 12               | 1.2             | 1.9            |

| Q15B AMOUNT SPENT ON/NEAR WATER<br>(cont.)         | Frequency   | % n=1001   | % n=623    |
|----------------------------------------------------|-------------|------------|------------|
| Dollars                                            |             |            |            |
| 450                                                | 1           | 0.1        | 0.2        |
| 500                                                | 9           | 0.9        | 1.4        |
| 700                                                | 2           | 0.2        | 0.3        |
| 1000                                               | 4           | 0.4        | 0.6        |
| 1500                                               | 2           | 0.2        | 0.3        |
| 1700                                               | 1           | 0.1        | 0.2        |
| 2000                                               | 2           | 0.2        | 0.3        |
| 2400                                               | 1           | 0.1        | 0.2        |
| 5000                                               | 3           | 0.3        | 0.5        |
| 6000                                               | 1           | 0.1        | 0.2        |
| 8000                                               | 1           | 0.1        | 0.2        |
| No outdoor recreation on/near water past 12 months | 345         | 34.5       |            |
| Don't know                                         | 32          | 3.2        |            |
| Refused                                            | 1           | 0.1        |            |
| <b>Total</b>                                       | <b>1001</b> | <b>100</b> | <b>100</b> |

**ynot What is the main reason you no longer participate in outdoor recreation?**

| YNOT OUTDOOR RECREATION | Frequency   | % n=1001   | % n=284    |
|-------------------------|-------------|------------|------------|
| Other                   | 39          | 3.9        | 13.7       |
| Not/lost interest       | 17          | 1.7        | 6          |
| No time/too busy        | 125         | 12.5       | 44         |
| No skills/knowledge     | 1           | 0.1        | 0.4        |
| Too far                 | 8           | 0.8        | 2.8        |
| Too long get there      | 1           | 0.1        | 0.4        |
| No longer travel        | 2           | 0.2        | 0.7        |
| Disabled                | 23          | 2.3        | 8.1        |
| No one go with          | 7           | 0.7        | 2.5        |
| Costs too much          | 6           | 0.6        | 2.1        |
| Don't like area         | 3           | 0.3        | 1.1        |
| Too old                 | 24          | 2.4        | 8.5        |
| No longer own boat      | 15          | 1.5        | 5.3        |
| Lifestyle change        | 13          | 1.3        | 4.6        |
| Samples one and three   | 713         | 71.2       |            |
| Don't know              | 3           | 0.3        |            |
| Refused                 | 1           | 0.1        |            |
| <b>Total</b>            | <b>1001</b> | <b>100</b> | <b>100</b> |



**fu1r Do you expect to participate in outdoor recreation on or near water, such as a lake or river in the next two years?**

| <b>FUTURE PARTICIPATION ON/NEAR WATER</b>               | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=275</b> |
|---------------------------------------------------------|------------------|-----------------|----------------|
| Yes                                                     | 202              | 20.2            | 73.5           |
| No                                                      | 73               | 7.3             | 26.5           |
| Participated on/near water past 12 months or have never | 713              | 71.2            |                |
| Don't know                                              | 13               | 1.3             |                |
| <b>Total</b>                                            | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q16 Have you ever been to Lake Berryessa?**

| <b>Q16 BEEN TO LAKE BERRYESSA</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=880</b> |
|-----------------------------------|------------------|-----------------|----------------|
| Yes                               | 506              | 50.5            | 57.5           |
| No                                | 374              | 37.4            | 42.5           |
| Don't participate on/near water ? | 118              | 11.8            |                |
| Don't know                        | 3                | 0.3             |                |
| <b>Total</b>                      | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q16a Do you expect to go to Lake Berryessa anytime within the next 2 years?**

| <b>Q16A GO TO BERRYESSA NEXT 2 YRS</b>           | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=503</b> |
|--------------------------------------------------|------------------|-----------------|----------------|
| Yes                                              | 178              | 17.8            | 35.4           |
| No                                               | 234              | 23.4            | 46.5           |
| Maybe                                            | 91               | 9.1             | 18.1           |
| No on/near water or never been to Lake Berryessa | 495              | 49.5            |                |
| Don't know                                       | 3                | 0.3             |                |
| <b>Total</b>                                     | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q17 What is the main reason that you [fill word] to Lake Berryessa?**

| <b>Q17 WHY DON'T GO TO BERRYESSA</b>                 | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=654</b> |
|------------------------------------------------------|------------------|-----------------|----------------|
| Other                                                | 102              | 10.2            | 15.6           |
| Doesn't offer interesting recreation                 | 44               | 4.4             | 6.7            |
| Unsafe                                               | 4                | 0.4             | 0.6            |
| Too far                                              | 99               | 9.9             | 15.1           |
| Too long get there                                   | 9                | 0.9             | 1.4            |
| Facilities poorly maintained                         | 4                | 0.4             | 0.6            |
| Facilities unclean                                   | 11               | 1.1             | 1.7            |
| Facilities too crowded                               | 18               | 1.8             | 2.8            |
| Facilities too expensive                             | 5                | 0.5             | 0.8            |
| Rowdy people                                         | 10               | 1               | 1.5            |
| Don't know about facilities or lake                  | 199              | 19.9            | 30.4           |
| No longer travel                                     | 8                | 0.8             | 1.2            |
| No longer have boat or do boating                    | 24               | 2.4             | 3.7            |
| "No time, too busy"                                  | 41               | 4.1             | 6.3            |
| Prefer somewhere else                                | 29               | 2.9             | 4.4            |
| Don't like physical                                  | 27               | 2.7             | 4.1            |
| Friends don't go                                     | 20               | 2               | 3.1            |
| Yes to Berryessa next 2yrs or no to water recreation | 296              | 29.6            |                |
| Don't know                                           | 51               | 5.1             |                |
| <b>Total</b>                                         | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q17b Any other reasons?**

| <b>Q17B ANOTHER REASON NOT BERRYESSA</b>    | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=550</b> |
|---------------------------------------------|------------------|-----------------|----------------|
| Yes                                         | 95               | 9.5             | 17.3           |
| No                                          | 455              | 45.5            | 82.7           |
| Yes on q16a, no to water and "other" on q17 | 450              | 45              |                |
| Don't know                                  | 1                | 0.1             |                |
| <b>Total</b>                                | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

q17c to q17e allows 2 more reasons

| Q17C OTHER WHY NOT                   | Frequency | % n=1001 | % n=95 |
|--------------------------------------|-----------|----------|--------|
| Other                                | 27        | 2.7      | 28.4   |
| Doesn't offer interesting recreation | 5         | 0.5      | 5.3    |
| Too far                              | 11        | 1.1      | 11.6   |
| Too long get there                   | 3         | 0.3      | 3.2    |
| Facility poorly maintained           | 1         | 0.1      | 1.1    |
| Facility unclean                     | 1         | 0.1      | 1.1    |
| Facility too crowded                 | 6         | 0.6      | 6.3    |
| Facility too expensive               | 1         | 0.1      | 1.1    |
| Rowdy people                         | 6         | 0.6      | 6.3    |
| DK about facility or lake            | 8         | 0.8      | 8.4    |
| No longer have/do boating            | 4         | 0.4      | 4.2    |
| "No time, too busy"                  | 3         | 0.3      | 3.2    |
| Prefer somewhere else                | 3         | 0.3      | 3.2    |
| Don't like physical                  | 16        | 1.6      | 16.8   |
| All except "yes" on q17b             | 906       | 90.5     |        |
| Total                                | 1001      | 100      | 100    |

q17c to q17e allows 2 more reasons

| Q17D 2 <sup>ND</sup> OTHER WHY NOT                                                     | Frequency | % n=1001 | % n=89 |
|----------------------------------------------------------------------------------------|-----------|----------|--------|
| Yes                                                                                    | 12        | 1.2      | 13.5   |
| No                                                                                     | 77        | 7.7      | 86.5   |
| Yes on 16a, no to water, other on 17, & don't know about facilities or the lake on 17c | 912       | 91.1     |        |
| Total                                                                                  | 1001      | 100      | 100    |

q17c to q17e allows 2 more reasons

| Q17E 3 <sup>RD</sup> OTHER WHY NOT   | Frequency | % n=1001 | % n=12 |
|--------------------------------------|-----------|----------|--------|
| Other                                | 4         | 0.4      | 33.3   |
| Doesn't offer interesting recreation | 1         | 0.1      | 8.3    |
| Too far                              | 2         | 0.2      | 16.7   |
| Rowdy people                         | 2         | 0.2      | 16.7   |
| No longer have/do boating            | 1         | 0.1      | 8.3    |
| Prefer somewhere else                | 1         | 0.1      | 8.3    |
| Don't like physical environment      | 1         | 0.1      | 8.3    |
| All except "yes" on q17d             | 989       | 98.8     |        |
| Total                                | 1001      | 100      | 100    |

q18 If you had an opportunity to plan your favorite outdoor recreation area on or near water, how important would each of the following be to your enjoyment of outdoor recreation there? First, how important are swimming areas: very important, somewhat important, somewhat unimportant, or not at all important?

| Q18 PLAN-SWIMMING AREAS           | Frequency | % n=1001 | % n=882 |
|-----------------------------------|-----------|----------|---------|
| Very important                    | 361       | 36.1     | 40.9    |
| Somewhat important                | 327       | 32.7     | 37.1    |
| Somewhat unimportant              | 74        | 7.4      | 8.4     |
| Not at all important              | 120       | 12       | 13.6    |
| Don't participate on/near water ? | 118       | 11.8     |         |
| Don't Know                        | 1         | 0.1      |         |
| Total                             | 1001      | 100      | 100     |

q18a Next, public swimming pools: very important, somewhat important, somewhat unimportant, or not at all important?

| Q18A PLAN PUBLIC SWIMMING POOLS   | Frequency | % n=1001 | % n=883 |
|-----------------------------------|-----------|----------|---------|
| Very important                    | 116       | 11.6     | 13.1    |
| Somewhat important                | 235       | 23.5     | 26.6    |
| Somewhat unimportant              | 137       | 13.7     | 15.5    |
| Not at all important              | 392       | 39.2     | 44.4    |
| Shouldn't even be th              | 3         | 0.3      | 0.3     |
| Don't participate on/near water ? | 118       | 11.8     |         |
| Total                             | 1001      | 100      | 100     |

**q18b What about hiking and bicycling trails where no vehicles are allowed?**

| Q18B PLAN HIKING/BIKING TRAILS  | Frequency | % n=1001 | % n=883 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 475       | 47.5     | 53.8    |
| Somewhat important              | 249       | 24.9     | 28.2    |
| Somewhat unimportant            | 51        | 5.1      | 5.8     |
| Not at all important            | 108       | 10.8     | 12.2    |
| Don't participate on/near water | 118       | 11.8     |         |
| Total                           | 1001      | 100      | 100     |

**q18c Primitive campgrounds with picnic tables, cold water, and pit toilets?**

| Q18C PLAN PRIMITIVE CAMPGROUNDS | Frequency | % n=1001 | % n=883 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 373       | 37.3     | 42.2    |
| Somewhat important              | 271       | 27.1     | 30.7    |
| Somewhat unimportant            | 63        | 6.3      | 7.1     |
| Not at all important            | 172       | 17.2     | 19.5    |
| Shouldn't even be there         | 4         | 0.4      | 0.5     |
| Don't participate on/near water | 118       | 11.8     |         |
| Total                           | 1001      | 100      | 100     |

**q18d What about a visitor information facility?**

| Q18D PLAN VISITOR INFO CENTER   | Frequency | % n=1001 | % n=883 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 386       | 38.6     | 43.7    |
| Somewhat important              | 322       | 32.2     | 36.5    |
| Somewhat unimportant            | 68        | 6.8      | 7.7     |
| Not at all important            | 107       | 10.7     | 12.1    |
| Don't participate on/near water | 118       | 11.8     |         |
| Total                           | 1001      | 100      | 100     |

**q18e A reservation system for facilities and services:**

| Q18E PLAN RESERVATION SYSTEM    | Frequency | % n=1001 | % n=883 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 388       | 38.8     | 43.9    |
| Somewhat important              | 292       | 29.2     | 33.1    |
| Somewhat unimportant            | 70        | 7        | 7.9     |
| Not at all important            | 131       | 13.1     | 14.8    |
| Shouldn't even be th            | 2         | 0.2      | 0.2     |
| Don't participate on/near water | 118       | 11.8     |         |
| Total                           | 1001      | 100      | 100     |

**q18f What about special events such as festivals, fishing tournaments, water ski contests, triathlons, and boat races?**

| Q18F PLAN SPECIAL EVENTS        | Frequency | % n=1001 | % n=882 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 137       | 13.7     | 15.5    |
| Somewhat important              | 246       | 24.6     | 27.9    |
| Somewhat unimportant            | 112       | 11.2     | 12.7    |
| Not at all important            | 381       | 38.1     | 43.2    |
| Shouldn't even be there         | 6         | 0.6      | 0.7     |
| Don't participate on/near water | 118       | 11.8     |         |
| Don't Know                      | 1         | 0.1      |         |
| Total                           | 1001      | 100      | 100     |

**q18g What about maintenance for existing facilities and areas?**

| Q18G PLAN MAINTENANCE           | Frequency | % n=1001 | % n=881 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 659       | 65.8     | 74.8    |
| Somewhat important              | 173       | 17.3     | 19.6    |
| Somewhat unimportant            | 16        | 1.6      | 1.8     |
| Not at all important            | 33        | 3.3      | 3.7     |
| Don't participate on/near water | 118       | 11.8     |         |
| Don't Know                      | 2         | 0.2      |         |
| Total                           | 1001      | 100      | 100     |

**q18h A full service marina?**

| Q18H PLAN MARINA                | Frequency   | % n=1001   | % n=882    |
|---------------------------------|-------------|------------|------------|
| Very important                  | 228         | 22.8       | 25.9       |
| Somewhat important              | 228         | 22.8       | 25.9       |
| Somewhat unimportant            | 110         | 11         | 12.5       |
| Not at all important            | 314         | 31.4       | 35.6       |
| Shouldn't even be th            | 2           | 0.2        | 0.2        |
| Don't participate on/near water | 118         | 11.8       |            |
| Don't Know                      | 1           | 0.1        |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q18I Boat launching facilities:**

| Q18I PLAN BOAT LAUNCH           | Frequency   | % n=1001   | % n=883    |
|---------------------------------|-------------|------------|------------|
| Very important                  | 274         | 27.4       | 31         |
| Somewhat important              | 197         | 19.7       | 22.3       |
| Somewhat unimportant            | 86          | 8.6        | 9.7        |
| Not at all important            | 325         | 32.5       | 36.8       |
| Shouldn't even be there         | 1           | 0.1        | 0.1        |
| Don't participate on/near water | 118         | 11.8       |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q18j Dry boat storage?**

| Q18J PLAN DRY BOAT STORAGE      | Frequency   | % n=1001   | % n=880    |
|---------------------------------|-------------|------------|------------|
| Very important                  | 63          | 6.3        | 7.2        |
| Somewhat important              | 147         | 14.7       | 16.7       |
| Somewhat unimportant            | 110         | 11         | 12.5       |
| Not at all important            | 559         | 55.8       | 63.5       |
| Shouldn't even be there         | 1           | 0.1        | 0.1        |
| Don't participate on/near water | 118         | 11.8       |            |
| Don't know                      | 3           | 0.3        |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q18k Boat rentals?**

| Q18K PLAN BOAT RENTALS          | Frequency | % n=1001 | % n=882 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 160       | 16       | 18.1    |
| Somewhat important              | 304       | 30.4     | 34.5    |
| Somewhat unimportant            | 75        | 7.5      | 8.5     |
| Not at all important            | 343       | 34.3     | 38.9    |
| Don't participate on/near water | 118       | 11.8     |         |
| Don't know                      | 1         | 0.1      |         |
| Total                           | 1001      | 100      | 100     |

**q18l Charter fishing boats?**

| Q18L PLAN CHARTER FISHING       | Frequency | % n=1001 | % n=881 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 100       | 10       | 11.4    |
| Somewhat important              | 202       | 20.2     | 22.9    |
| Somewhat unimportant            | 88        | 8.8      | 10      |
| Not at all important            | 490       | 49       | 55.6    |
| Shouldn't even be there         | 1         | 0.1      | 0.1     |
| Don't participate on/near water | 118       | 11.8     |         |
| Don't know                      | 2         | 0.2      |         |
| Total                           | 1001      | 100      | 100     |

**q18m Next is providing equipment rentals and lessons. How important is providing wave runner, jet ski, and sailboard rentals?**

| Q18M PLAN EQUIPMENT RENTALS     | Frequency | % n=1001 | % n=882 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 138       | 13.8     | 15.6    |
| Somewhat important              | 220       | 22       | 24.9    |
| Somewhat unimportant            | 91        | 9.1      | 10.3    |
| Not at all important            | 427       | 42.7     | 48.4    |
| Shouldn't even be there         | 6         | 0.6      | 0.7     |
| Don't participate on/near water | 118       | 11.8     |         |
| Don't know                      | 1         | 0.1      |         |
| Total                           | 1001      | 100      | 100     |



**q18n Facilities for dirt bikes and off-road vehicles?**

| Q18N PLAN OFF-ROAD              | Frequency   | % n=1001   | % n=883    |
|---------------------------------|-------------|------------|------------|
| Very important                  | 122         | 12.2       | 13.8       |
| Somewhat important              | 173         | 17.3       | 19.6       |
| Somewhat unimportant            | 81          | 8.1        | 9.2        |
| Not at all important            | 497         | 49.7       | 56.3       |
| Shouldn't even be th            | 10          | 1          | 1.1        |
| Don't participate on/near water | 118         | 11.8       |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q18o What about equestrian (horseback riding) facilities?**

| Q18O PLAN EQUESTRIAN            | Frequency   | % n=1001   | % n=883    |
|---------------------------------|-------------|------------|------------|
| Very important                  | 123         | 12.3       | 13.9       |
| Somewhat important              | 291         | 29.1       | 33         |
| Somewhat unimportant            | 85          | 8.5        | 9.6        |
| Not at all important            | 382         | 38.2       | 43.3       |
| Shouldn't even be there         | 2           | 0.2        | 0.2        |
| Don't participate on/near water | 118         | 11.8       |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q18p Children's play areas?**

| Q18P PLAN CHILDREN'S PLAY AREAS | Frequency   | % n=1001   | % n=882    |
|---------------------------------|-------------|------------|------------|
| Very important                  | 415         | 41.5       | 47.1       |
| Somewhat important              | 187         | 18.7       | 21.2       |
| Somewhat unimportant            | 43          | 4.3        | 4.9        |
| Not at all important            | 236         | 23.6       | 26.8       |
| Shouldn't even be there         | 1           | 0.1        | 0.1        |
| Don't participate on/near water | 118         | 11.8       |            |
| Don't know                      | 1           | 0.1        |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**q18q Outdoor/nature educational facilities and programs?**

| <b>Q18Q PLAN NATURE EDUCATION</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=883</b> |
|-----------------------------------|------------------|-----------------|----------------|
| Very important                    | 335              | 33.5            | 37.9           |
| Somewhat important                | 376              | 37.6            | 42.6           |
| Somewhat unimportant              | 47               | 4.7             | 5.3            |
| Not at all important              | 125              | 12.5            | 14.2           |
| Don't participate on/near water   | 118              | 11.8            |                |
| <b>Total</b>                      | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q18r Picnic areas?**

| <b>Q18R PLAN PICNIC AREAS</b>   | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=883</b> |
|---------------------------------|------------------|-----------------|----------------|
| Very important                  | 547              | 54.6            | 61.9           |
| Somewhat important              | 265              | 26.5            | 30             |
| Somewhat unimportant            | 21               | 2.1             | 2.4            |
| Not at all important            | 50               | 5               | 5.7            |
| Don't participate on/near water | 118              | 11.8            |                |
| <b>Total</b>                    | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q18s Hotels and motels at or near the outdoor recreation site?**

| <b>Q18S PLAN HOTELS/MOTELS</b>  | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=882</b> |
|---------------------------------|------------------|-----------------|----------------|
| Very important                  | 218              | 21.8            | 24.7           |
| Somewhat important              | 279              | 27.9            | 31.6           |
| Somewhat unimportant            | 79               | 7.9             | 9              |
| Not at all important            | 303              | 30.3            | 34.4           |
| Shouldn't even be there         | 3                | 0.3             | 0.3            |
| Don't participate on/near water | 118              | 11.8            |                |
| Don't know                      | 1                | 0.1             |                |
| <b>Total</b>                    | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q18t Cabins for rent?**

| Q18T PLAN CABIN RENTALS         | Frequency | % n=1001 | % n=883 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 295       | 29.5     | 33.4    |
| Somewhat important              | 354       | 35.4     | 40.1    |
| Somewhat unimportant            | 47        | 4.7      | 5.3     |
| Not at all important            | 184       | 18.4     | 20.8    |
| Shouldn't even be there         | 3         | 0.3      | 0.3     |
| Don't participate on/near water | 118       | 11.8     |         |
| Total                           | 1001      | 100      | 100     |

**q18u Restaurants, cafes, and snack bars at or near the outdoor recreation site?**

| Q18U PLAN RESTAURANTS           | Frequency | % n=1001 | % n=882 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 290       | 29       | 32.9    |
| Somewhat important              | 336       | 33.6     | 38.1    |
| Somewhat unimportant            | 66        | 6.6      | 7.5     |
| Not at all important            | 187       | 18.7     | 21.2    |
| Shouldn't even be there         | 3         | 0.3      | 0.3     |
| Don't participate on/near water | 118       | 11.8     |         |
| Don't know                      | 1         | 0.1      |         |
| Total                           | 1001      | 100      | 100     |

**q18v Bar or Tavern?**

| Q18V PLAN BARS/TAVERNS          | Frequency | % n=1001 | % n=883 |
|---------------------------------|-----------|----------|---------|
| Very important                  | 124       | 12.4     | 14      |
| Somewhat important              | 148       | 14.8     | 16.8    |
| Somewhat unimportant            | 96        | 9.6      | 10.9    |
| Not at all important            | 500       | 50       | 56.6    |
| Shouldn't even be there         | 15        | 1.5      | 1.7     |
| Don't participate on/near water | 118       | 11.8     |         |
| Total                           | 1001      | 100      | 100     |

**q18w Gas stations and convenience stores at or near the outdoor recreation site?**

| <b>Q18W PLAN GAS/CONVENIENCE STORES</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=882</b> |
|-----------------------------------------|------------------|-----------------|----------------|
| Very important                          | 420              | 42              | 47.6           |
| Somewhat important                      | 331              | 33.1            | 37.5           |
| Somewhat unimportant                    | 44               | 4.4             | 5              |
| Not at all important                    | 84               | 8.4             | 9.5            |
| Shouldn't even be there                 | 3                | 0.3             | 0.3            |
| Don't participate on/near water         | 118              | 11.8            |                |
| Don't know                              | 1                | 0.1             |                |
| <b>Total</b>                            | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q18x Active sports facilities, such as tennis courts, volleyball courts, and golf courses?**

| <b>Q18X PLAN ACTIVE SPORTS FACILITIES</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=883</b> |
|-------------------------------------------|------------------|-----------------|----------------|
| Very important                            | 166              | 16.6            | 18.8           |
| Somewhat important                        | 244              | 24.4            | 27.6           |
| Somewhat unimportant                      | 94               | 9.4             | 10.6           |
| Not at all important                      | 375              | 37.5            | 42.5           |
| Shouldn't even be there                   | 4                | 0.4             | 0.5            |
| Don't participate on/near water           | 118              | 11.8            |                |
| <b>Total</b>                              | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q18y Enforcement of laws and regulations at or near the water-based outdoor recreation sites?**

| <b>Q18Y PLAN ENFORCEMENT OF LAWS</b> | <b>Frequency</b> | <b>% n=1001</b> | <b>% n=881</b> |
|--------------------------------------|------------------|-----------------|----------------|
| Very important                       | 651              | 65              | 73.9           |
| Somewhat important                   | 166              | 16.6            | 18.8           |
| Somewhat unimportant                 | 18               | 1.8             | 2              |
| Not at all important                 | 46               | 4.6             | 5.2            |
| Don't participate on/near water      | 118              | 11.8            |                |
| DK                                   | 2                | 0.2             |                |
| <b>Total</b>                         | <b>1001</b>      | <b>100</b>      | <b>100</b>     |

**q18z How important is security patrol?**

| Q18Z PLAN SECURITY PATROL       | Frequency   | % n=1001   | % n=879    |
|---------------------------------|-------------|------------|------------|
| Very important                  | 539         | 53.8       | 61.3       |
| Somewhat important              | 247         | 24.7       | 28.1       |
| Somewhat unimportant            | 33          | 3.3        | 3.8        |
| Not at all important            | 60          | 6          | 6.8        |
| Don't participate on/near water | 118         | 11.8       |            |
| Don't know                      | 4           | 0.4        |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**age I would like to finish with a few questions for classification purposes. What is your age? (IF HESITANT ASK: "In what year were you born? CALCULATE AND CODE AGE IN YEARS)**

| AGE          | Frequency   | % n=1001   | % n=1000   |
|--------------|-------------|------------|------------|
| 18-29        | 230         | 23         | 23         |
| 30-39        | 272         | 27.2       | 27.2       |
| 40-49        | 235         | 23.5       | 23.5       |
| 50-59        | 130         | 13         | 13         |
| 60+          | 133         | 13.3       | 13.3       |
| Refused      | 1           | 0.1        |            |
| <b>Total</b> | <b>1001</b> | <b>100</b> | <b>100</b> |

**education What was the highest grade level you completed in school?**

| EDUCATION LEVEL                 | Frequency   | % n=1001   | % n=997    |
|---------------------------------|-------------|------------|------------|
| Grades 1-7                      | 2           | 0.2        | 0.2        |
| Completed 8 <sup>th</sup> grade | 4           | 0.4        | 0.4        |
| Some high school                | 30          | 3          | 3          |
| High school Graduate            | 203         | 20.3       | 20.4       |
| Some college/trade school       | 343         | 34.3       | 34.4       |
| 4yr college graduate            | 246         | 24.6       | 24.7       |
| Graduate/professional degree    | 169         | 16.9       | 17         |
| Don't know                      | 1           | 0.1        |            |
| Refused                         | 3           | 0.3        |            |
| <b>Total</b>                    | <b>1001</b> | <b>100</b> | <b>100</b> |

**work** Are you currently working full time, working part time, temporarily unemployed, a homemaker, retired, or disabled and unable to work?

| EMPLOYMENT STATUS | Frequency | % n=1001 | % n=993 |
|-------------------|-----------|----------|---------|
| full time         | 617       | 61.6     | 62.1    |
| part time         | 135       | 13.5     | 13.6    |
| temp unemployed   | 70        | 7        | 7       |
| homemaker         | 48        | 4.8      | 4.8     |
| retired           | 101       | 10.1     | 10.2    |
| disabled          | 22        | 2.2      | 2.2     |
| Don't know        | 3         | 0.3      |         |
| Refused           | 5         | 0.5      |         |
| Total             | 1001      | 100      | 100     |

**rent** Do you: (READ ALTERNATIVES)

| HOUSING                       | Frequency | % n=1001 | % n=990 |
|-------------------------------|-----------|----------|---------|
| Other                         | 22        | 2.2      | 2.2     |
| Rent apartment                | 191       | 19.1     | 19.3    |
| Rent house                    | 167       | 16.7     | 16.9    |
| Own house/condo               | 579       | 57.8     | 58.5    |
| Lives free (parents, friends) | 31        | 3.1      | 3.1     |
| Don't know                    | 1         | 0.1      |         |
| Refused                       | 10        | 1        |         |
| Total                         | 1001      | 100      | 100     |

**married** Are you: (READ ALTERNATIVES)

| MARRITAL STATUS | Frequency | % n=1001 | % n=991 |
|-----------------|-----------|----------|---------|
| Single          | 332       | 33.2     | 33.5    |
| Married         | 500       | 50       | 50.5    |
| Divorced        | 92        | 9.2      | 9.3     |
| Separated       | 28        | 2.8      | 2.8     |
| Widowed         | 39        | 3.9      | 3.9     |
| Don't know      | 2         | 0.2      |         |
| Refused         | 8         | 0.8      |         |
| Total           | 1001      | 100      | 100     |

**both Do both of you work outside the home?**

| TWO INCOMES OUTSIDE HOME            | Frequency | % n=1001 | % n=382 |
|-------------------------------------|-----------|----------|---------|
| Yes                                 | 301       | 30.1     | 78.8    |
| No                                  | 81        | 8.1      | 21.2    |
| Not married or responded no to work | 618       | 61.7     |         |
| Refused                             | 1         | 0.1      |         |
| Total                               | 1001      | 100      | 100     |

**children How many children age 18 or younger live with you?**

| CHILDREN UNDER 18 AT HOME | Frequency | % n=1001 | % n=990 |
|---------------------------|-----------|----------|---------|
| 0                         | 592       | 59.1     | 59.8    |
| 1                         | 163       | 16.3     | 16.5    |
| 2                         | 159       | 15.9     | 16.1    |
| 3                         | 50        | 5        | 5.1     |
| 4                         | 20        | 2        | 2       |
| 5                         | 5         | 0.5      | 0.5     |
| 6                         | 1         | 0.1      | 0.1     |
| Don't know                | 2         | 0.2      |         |
| Refused                   | 9         | 0.9      |         |
| Total                     | 1001      | 100      | 100     |

**school Are one or more of those children currently attending school?**

| CHILD AT HOME IN SCHOOL           | Frequency | % n=1001 | % n=398 |
|-----------------------------------|-----------|----------|---------|
| Yes                               | 322       | 32.2     | 80.9    |
| No                                | 76        | 7.6      | 19.1    |
| No children at home 18 or younger | 603       | 60.2     |         |
| Total                             | 1001      | 100      | 100     |

**school 2 Do the children attend year-round, traditional, or both?**

| TYPE OF SCHOOL        | Frequency   | % n=1001   | % n=322    |
|-----------------------|-------------|------------|------------|
| Year-round            | 59          | 5.9        | 18.3       |
| Traditional           | 251         | 25.1       | 78         |
| Both                  | 12          | 1.2        | 3.7        |
| No children in school | 679         | 67.8       |            |
| <b>Total</b>          | <b>1001</b> | <b>100</b> | <b>100</b> |

**zip What is the zip code where you live?**

| ZIP CODE | First two | Last three | Frequency | % n=1001 |
|----------|-----------|------------|-----------|----------|
|          | 49        | 110        | 1         | 0.1      |
|          | 91        | 415        | 1         | 0.1      |
|          | 92        | 410        | 1         | 0.1      |
|          | 93        | 614        | 1         | 0.1      |
|          | 94        | 2          | 3         | 0.3      |
|          | 94        | 5          | 1         | 0.1      |
|          | 94        | 10         | 6         | 0.6      |
|          | 94        | 15         | 6         | 0.6      |
|          | 94        | 19         | 2         | 0.2      |
|          | 94        | 20         | 1         | 0.1      |
|          | 94        | 25         | 2         | 0.2      |
|          | 94        | 27         | 1         | 0.1      |
|          | 94        | 28         | 2         | 0.2      |
|          | 94        | 30         | 1         | 0.1      |
|          | 94        | 44         | 3         | 0.3      |
|          | 94        | 50         | 1         | 0.1      |
|          | 94        | 61         | 4         | 0.4      |
|          | 94        | 62         | 4         | 0.4      |
|          | 94        | 63         | 4         | 0.4      |
|          | 94        | 65         | 2         | 0.2      |
|          | 94        | 66         | 7         | 0.7      |
|          | 94        | 70         | 7         | 0.7      |
|          | 94        | 80         | 3         | 0.3      |
|          | 94        | 84         | 1         | 0.1      |
|          | 94        | 102        | 4         | 0.4      |
|          | 94        | 103        | 1         | 0.1      |
|          | 94        | 107        | 2         | 0.2      |
|          | 94        | 109        | 4         | 0.4      |
|          | 94        | 110        | 10        | 1        |
|          | 94        | 112        | 5         | 0.5      |
|          | 94        | 114        | 8         | 0.8      |



| <b>ZIP CODE</b> | <b>First two</b> | <b>Last three</b> | <b>Frequency</b> | <b>% n=1001</b> |
|-----------------|------------------|-------------------|------------------|-----------------|
| 94              | 115              |                   | 3                | 0.3             |
| 94              | 116              |                   | 4                | 0.4             |
| 94              | 117              |                   | 7                | 0.7             |
| 94              | 118              |                   | 9                | 0.9             |
| 94              | 121              |                   | 2                | 0.2             |
| 94              | 122              |                   | 5                | 0.5             |
| 94              | 123              |                   | 10               | 1               |
| 94              | 124              |                   | 1                | 0.1             |
| 94              | 127              |                   | 6                | 0.6             |
| 94              | 130              |                   | 1                | 0.1             |
| 94              | 131              |                   | 7                | 0.7             |
| 94              | 132              |                   | 4                | 0.4             |
| 94              | 133              |                   | 4                | 0.4             |
| 94              | 301              |                   | 6                | 0.6             |
| 94              | 306              |                   | 3                | 0.3             |
| 94              | 401              |                   | 2                | 0.2             |
| 94              | 402              |                   | 5                | 0.5             |
| 94              | 403              |                   | 6                | 0.6             |
| 94              | 404              |                   | 9                | 0.9             |
| 94              | 501              |                   | 12               | 1.2             |
| 94              | 502              |                   | 1                | 0.1             |
| 94              | 506              |                   | 3                | 0.3             |
| 94              | 509              |                   | 6                | 0.6             |
| 94              | 510              |                   | 1                | 0.1             |
| 94              | 513              |                   | 2                | 0.2             |
| 94              | 514              |                   | 1                | 0.1             |
| 94              | 515              |                   | 1                | 0.1             |
| 94              | 516              |                   | 1                | 0.1             |
| 94              | 517              |                   | 3                | 0.3             |
| 94              | 518              |                   | 5                | 0.5             |
| 94              | 519              |                   | 2                | 0.2             |
| 94              | 520              |                   | 3                | 0.3             |
| 94              | 521              |                   | 5                | 0.5             |
| 94              | 523              |                   | 10               | 1               |
| 94              | 526              |                   | 8                | 0.8             |
| 94              | 530              |                   | 6                | 0.6             |
| 94              | 533              |                   | 7                | 0.7             |
| 94              | 535              |                   | 3                | 0.3             |
| 94              | 536              |                   | 5                | 0.5             |
| 94              | 538              |                   | 5                | 0.5             |
| 94              | 539              |                   | 4                | 0.4             |
| 94              | 541              |                   | 6                | 0.6             |
| 94              | 544              |                   | 5                | 0.5             |
| 94              | 545              |                   | 2                | 0.2             |
| 94              | 546              |                   | 3                | 0.3             |
| 94              | 547              |                   | 2                | 0.2             |
| 94              | 549              |                   | 11               | 1.1             |

| ZIP CODE | First two | Last three | Frequency | % n=1001 |
|----------|-----------|------------|-----------|----------|
|          | 94        | 550        | 12        | 1.2      |
|          | 94        | 553        | 12        | 1.2      |
|          | 94        | 555        | 5         | 0.5      |
|          | 94        | 556        | 4         | 0.4      |
|          | 94        | 558        | 9         | 0.9      |
|          | 94        | 559        | 4         | 0.4      |
|          | 94        | 560        | 6         | 0.6      |
|          | 94        | 561        | 3         | 0.3      |
|          | 94        | 563        | 2         | 0.2      |
|          | 94        | 564        | 4         | 0.4      |
|          | 94        | 565        | 3         | 0.3      |
|          | 94        | 566        | 2         | 0.2      |
|          | 94        | 567        | 1         | 0.1      |
|          | 94        | 568        | 2         | 0.2      |
|          | 94        | 572        | 3         | 0.3      |
|          | 94        | 577        | 3         | 0.3      |
|          | 94        | 578        | 3         | 0.3      |
|          | 94        | 579        | 4         | 0.4      |
|          | 94        | 580        | 2         | 0.2      |
|          | 94        | 583        | 6         | 0.6      |
|          | 94        | 585        | 4         | 0.4      |
|          | 94        | 587        | 6         | 0.6      |
|          | 94        | 588        | 2         | 0.2      |
|          | 94        | 589        | 1         | 0.1      |
|          | 94        | 590        | 3         | 0.3      |
|          | 94        | 591        | 5         | 0.5      |
|          | 94        | 595        | 2         | 0.2      |
|          | 94        | 596        | 10        | 1        |
|          | 94        | 598        | 3         | 0.3      |
|          | 94        | 601        | 3         | 0.3      |
|          | 94        | 602        | 5         | 0.5      |
|          | 94        | 603        | 2         | 0.2      |
|          | 94        | 605        | 5         | 0.5      |
|          | 94        | 606        | 1         | 0.1      |
|          | 94        | 607        | 3         | 0.3      |
|          | 94        | 608        | 2         | 0.2      |
|          | 94        | 609        | 1         | 0.1      |
|          | 94        | 610        | 7         | 0.7      |
|          | 94        | 611        | 5         | 0.5      |
|          | 94        | 612        | 1         | 0.1      |
|          | 94        | 616        | 1         | 0.1      |
|          | 94        | 618        | 3         | 0.3      |
|          | 94        | 619        | 5         | 0.5      |
|          | 94        | 702        | 2         | 0.2      |
|          | 94        | 703        | 5         | 0.5      |
|          | 94        | 704        | 1         | 0.1      |
|          | 94        | 705        | 5         | 0.5      |

| ZIP CODE | First two | Last three | Frequency | % n=1001 |
|----------|-----------|------------|-----------|----------|
|          | 94        | 706        | 5         | 0.5      |
|          | 94        | 707        | 3         | 0.3      |
|          | 94        | 708        | 2         | 0.2      |
|          | 94        | 709        | 2         | 0.2      |
|          | 94        | 710        | 1         | 0.1      |
|          | 94        | 711        | 1         | 0.1      |
|          | 94        | 801        | 2         | 0.2      |
|          | 94        | 803        | 1         | 0.1      |
|          | 94        | 804        | 1         | 0.1      |
|          | 94        | 805        | 3         | 0.3      |
|          | 94        | 806        | 7         | 0.7      |
|          | 94        | 901        | 5         | 0.5      |
|          | 94        | 903        | 7         | 0.7      |
|          | 94        | 904        | 2         | 0.2      |
|          | 94        | 920        | 1         | 0.1      |
|          | 94        | 924        | 1         | 0.1      |
|          | 94        | 925        | 2         | 0.2      |
|          | 94        | 928        | 6         | 0.6      |
|          | 94        | 929        | 1         | 0.1      |
|          | 94        | 930        | 1         | 0.1      |
|          | 94        | 939        | 2         | 0.2      |
|          | 94        | 941        | 2         | 0.2      |
|          | 94        | 947        | 9         | 0.9      |
|          | 94        | 949        | 1         | 0.1      |
|          | 94        | 952        | 5         | 0.5      |
|          | 94        | 953        | 1         | 0.1      |
|          | 94        | 954        | 4         | 0.4      |
|          | 94        | 960        | 5         | 0.5      |
|          | 94        | 973        | 2         | 0.2      |
|          | 95        | 109        | 1         | 0.1      |
|          | 95        | 112        | 1         | 0.1      |
|          | 95        | 202        | 1         | 0.1      |
|          | 95        | 203        | 2         | 0.2      |
|          | 95        | 204        | 1         | 0.1      |
|          | 95        | 205        | 4         | 0.4      |
|          | 95        | 206        | 3         | 0.3      |
|          | 95        | 207        | 2         | 0.2      |
|          | 95        | 209        | 5         | 0.5      |
|          | 95        | 210        | 1         | 0.1      |
|          | 95        | 211        | 1         | 0.1      |
|          | 95        | 212        | 3         | 0.3      |
|          | 95        | 219        | 6         | 0.6      |
|          | 95        | 220        | 1         | 0.1      |
|          | 95        | 240        | 10        | 1        |
|          | 95        | 242        | 5         | 0.5      |
|          | 95        | 258        | 1         | 0.1      |
|          | 95        | 330        | 1         | 0.1      |

| ZIP CODE | First two | Last three | Frequency | % n=1001 |
|----------|-----------|------------|-----------|----------|
|          | 95        | 336        | 5         | 0.5      |
|          | 95        | 337        | 1         | 0.1      |
|          | 95        | 366        | 2         | 0.2      |
|          | 95        | 376        | 2         | 0.2      |
|          | 95        | 401        | 6         | 0.6      |
|          | 95        | 402        | 1         | 0.1      |
|          | 95        | 403        | 12        | 1.2      |
|          | 95        | 404        | 4         | 0.4      |
|          | 95        | 405        | 5         | 0.5      |
|          | 95        | 407        | 5         | 0.5      |
|          | 95        | 409        | 7         | 0.7      |
|          | 95        | 422        | 4         | 0.4      |
|          | 95        | 425        | 2         | 0.2      |
|          | 95        | 427        | 1         | 0.1      |
|          | 95        | 435        | 1         | 0.1      |
|          | 95        | 436        | 2         | 0.2      |
|          | 95        | 437        | 2         | 0.2      |
|          | 95        | 441        | 1         | 0.1      |
|          | 95        | 446        | 4         | 0.4      |
|          | 95        | 448        | 8         | 0.8      |
|          | 95        | 451        | 3         | 0.3      |
|          | 95        | 453        | 2         | 0.2      |
|          | 95        | 454        | 1         | 0.1      |
|          | 95        | 457        | 1         | 0.1      |
|          | 95        | 458        | 1         | 0.1      |
|          | 95        | 460        | 2         | 0.2      |
|          | 95        | 462        | 1         | 0.1      |
|          | 95        | 465        | 1         | 0.1      |
|          | 95        | 466        | 1         | 0.1      |
|          | 95        | 471        | 1         | 0.1      |
|          | 95        | 472        | 7         | 0.7      |
|          | 95        | 476        | 2         | 0.2      |
|          | 95        | 481        | 1         | 0.1      |
|          | 95        | 482        | 6         | 0.6      |
|          | 95        | 490        | 3         | 0.3      |
|          | 95        | 491        | 1         | 0.1      |
|          | 95        | 492        | 5         | 0.5      |
|          | 95        | 495        | 1         | 0.1      |
|          | 95        | 608        | 10        | 1        |
|          | 95        | 610        | 5         | 0.5      |
|          | 95        | 616        | 16        | 1.6      |
|          | 95        | 620        | 1         | 0.1      |
|          | 95        | 621        | 6         | 0.6      |
|          | 95        | 624        | 2         | 0.2      |
|          | 95        | 626        | 1         | 0.1      |
|          | 95        | 628        | 4         | 0.4      |
|          | 95        | 630        | 4         | 0.4      |

| ZIP CODE | First two | Last three | Frequency | % n=1001 |
|----------|-----------|------------|-----------|----------|
|          | 95        | 632        | 3         | 0.3      |
|          | 95        | 637        | 2         | 0.2      |
|          | 95        | 641        | 1         | 0.1      |
|          | 95        | 660        | 7         | 0.7      |
|          | 95        | 661        | 1         | 0.1      |
|          | 95        | 662        | 10        | 1        |
|          | 95        | 670        | 6         | 0.6      |
|          | 95        | 673        | 3         | 0.3      |
|          | 95        | 676        | 1         | 0.1      |
|          | 95        | 684        | 1         | 0.1      |
|          | 95        | 687        | 6         | 0.6      |
|          | 95        | 688        | 6         | 0.6      |
|          | 95        | 691        | 3         | 0.3      |
|          | 95        | 692        | 1         | 0.1      |
|          | 95        | 693        | 1         | 0.1      |
|          | 95        | 695        | 2         | 0.2      |
|          | 95        | 758        | 1         | 0.1      |
|          | 95        | 812        | 1         | 0.1      |
|          | 95        | 814        | 3         | 0.3      |
|          | 95        | 815        | 4         | 0.4      |
|          | 95        | 816        | 3         | 0.3      |
|          | 95        | 817        | 2         | 0.2      |
|          | 95        | 818        | 6         | 0.6      |
|          | 95        | 819        | 5         | 0.5      |
|          | 95        | 820        | 5         | 0.5      |
|          | 95        | 821        | 5         | 0.5      |
|          | 95        | 822        | 3         | 0.3      |
|          | 95        | 823        | 7         | 0.7      |
|          | 95        | 824        | 2         | 0.2      |
|          | 95        | 825        | 5         | 0.5      |
|          | 95        | 826        | 4         | 0.4      |
|          | 95        | 827        | 4         | 0.4      |
|          | 95        | 828        | 4         | 0.4      |
|          | 95        | 829        | 2         | 0.2      |
|          | 95        | 831        | 5         | 0.5      |
|          | 95        | 833        | 1         | 0.1      |
|          | 95        | 835        | 1         | 0.1      |
|          | 95        | 838        | 4         | 0.4      |
|          | 95        | 841        | 6         | 0.6      |
|          | 95        | 842        | 5         | 0.5      |
|          | 95        | 843        | 3         | 0.3      |
|          | 95        | 864        | 3         | 0.3      |
|          | 95        | 901        | 10        | 1        |
|          | 95        | 912        | 1         | 0.1      |
|          | 95        | 922        | 1         | 0.1      |
|          | 95        | 927        | 1         | 0.1      |
|          | 95        | 932        | 3         | 0.3      |

| ZIP CODE   | First two | Last three | Frequency | % n=1001 |
|------------|-----------|------------|-----------|----------|
|            | 95        | 950        | 1         | 0.1      |
|            | 95        | 953        | 1         | 0.1      |
|            | 95        | 955        | 1         | 0.1      |
|            | 95        | 982        | 1         | 0.1      |
|            | 95        | 991        | 3         | 0.3      |
|            | 95        | 993        | 4         | 0.4      |
| Don't know |           |            | 9         | 0.9      |
| Refused    |           |            | 20        | 2        |
| Total      |           |            | 1001      | 100      |

| ZIP GROUPED                     | Frequency | % n=1001 | % n=966 |
|---------------------------------|-----------|----------|---------|
| Sacramento                      | 197       | 19.7     | 20.4    |
| Oakland                         | 334       | 33.4     | 34.6    |
| Marysville                      | 27        | 2.7      | 2.8     |
| Stockton                        | 57        | 5.7      | 5.9     |
| San Francisco                   | 189       | 18.9     | 19.6    |
| North Bay                       | 162       | 16.2     | 16.8    |
| Don't know/refused/out of state | 35        | 3.5      |         |
| Total                           | 1001      | 100      | 100     |

income Finally, I'd like an approximate idea of the total amount of annual income in your household. Stop me when I read the category for your household.

| HOUSEHOLD INCOME       | Frequency | % n=1001 | % n=906 |
|------------------------|-----------|----------|---------|
| "< \$20,000"           | 90        | 9        | 9.9     |
| "\$20,000 - \$35,000"  | 192       | 19.2     | 21.2    |
| "\$35,000 - \$50,000"  | 207       | 20.7     | 22.8    |
| "\$50,000 - \$65,000"  | 152       | 15.2     | 16.8    |
| "\$65,000 - \$80,000"  | 106       | 10.6     | 11.7    |
| "\$80,000 - \$100,000" | 54        | 5.4      | 6       |
| "> \$100,000"          | 105       | 10.5     | 11.6    |
| Don't know             | 15        | 1.5      |         |
| Refused                | 80        | 8        |         |
| Total                  | 1001      | 100      | 100     |

## **APPENDIX E**

# **ACTIVITY PARTICIPATION: PLAN TO RETURN TO LAKE BERRYESSA**

## HIKING OR BACKPACKING

265 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went hiking or backing as one of those activities. 101 of the 265 (38.1%) plan to return to Lake Berryessa within the next two years.

| <u>Hiking or<br/>Backpacking</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|----------------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                                  | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>                       | 101                                                               | 117       | 47           | 265          |
| <u>No</u>                        | 62                                                                | 89        | 32           | 183          |
| <u>Total</u>                     | 163                                                               | 206       | 79           | 448          |

Number of missing observations = 553



## FISHING

**162 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went fishing as one of those activities. 72 of the 162 (44.4%) plan to return to Lake Berryessa within the next two years.**

| <u>Fishing</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|----------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>     | 72                                                                | 68        | 22           | 162          |
| <u>No</u>      | 65                                                                | 105       | 45           | 215          |
| <u>Total</u>   | 137                                                               | 173       | 67           | 377          |

Number of missing observations = 624

## BOATING (OTHER THAN FISHING)

196 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went boating (other than fishing) as part of those activities. 75 of the 196 (38.3%) plan to return to Lake Berryessa within the next two years.

| <u>Boating Other<br/>Than Fishing</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|---------------------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                                       | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>                            | 75                                                                | 89        | 32           | 196          |
| <u>No</u>                             | 62                                                                | 84        | 35           | 181          |
| <u>Total</u>                          | 137                                                               | 173       | 67           | 377          |

Number of missing observations = 624

## BEACH ACTIVITIES

275 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, did beach activities as part of that outdoor recreation. 98 of the 275 (35.6%) plan to return to Lake Berryessa within the next two years.

| <u>Beach Activities</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|-------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                         | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>              | 98                                                                | 124       | 53           | 275          |
| <u>No</u>               | 39                                                                | 49        | 14           | 102          |
| <u>Total</u>            | 137                                                               | 173       | 67           | 377          |

Number of missing observations = 624

## SWIMMING (OTHER THAN HOME POOL)

249 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went swimming as one of those activities. 110 of the 249 (44.2%) plan to return to Lake Berryessa within the next two years.

| <u>Swimming</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|-----------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                 | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>      | 110                                                               | 99        | 40           | 249          |
| <u>No</u>       | 27                                                                | 74        | 27           | 128          |
| <u>Total</u>    | 137                                                               | 173       | 67           | 377          |

Number of missing observations = 624

## CAMPING

244 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went camping as one of those activities. 104 of the 244 (42.6%) plan to return to Lake Berryessa within the next two years.

| <u>Camping</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|----------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>     | 104                                                               | 96        | 44           | 244          |
| <u>No</u>      | 59                                                                | 110       | 35           | 204          |
| <u>Total</u>   | 163                                                               | 206       | 79           | 448          |

Number of missing observations = 553

## USE BOAT WHEN CAMPING

95 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, used a boat while camping as one of those activities. 54 of the 95 (56.8%) plan to return to Lake Berryessa within the next two years.

| <u>Use Boat<br/>When Camping</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|----------------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                                  | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>                       | 54                                                                | 28        | 13           | 95           |
| <u>No</u>                        | 50                                                                | 67        | 31           | 148          |
| <u>Total</u>                     | 104                                                               | 95        | 44           | 243          |

Number of missing observations = 758

## HORSEBACK RIDING

40 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went horseback riding as one of those activities. 18 of the 40 (45%) plan to return to Lake Berryessa within the next two years.

| <u>Horseback Riding</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|-------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                         | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>              | 18                                                                | 17        | 5            | 40           |
| <u>No</u>               | 145                                                               | 189       | 74           | 408          |
| <u>Total</u>            | 163                                                               | 206       | 79           | 448          |

Number of missing observations = 553

## TENNIS/GOLF/VOLLYBALL

219 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, played tennis, golf and/or vollyball as one of those activities. 85 of the 219 (38.8%) plan to return to Lake Berryessa within the next two years.

| <u>Tennis/Golf<br/>Vollyball</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|----------------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                                  | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>                       | 85                                                                | 98        | 36           | 219          |
| <u>No</u>                        | 78                                                                | 108       | 43           | 229          |
| <u>Total</u>                     | 163                                                               | 206       | 79           | 448          |

Number of missing observations = 553



## MOUNTAIN/ROAD BIKING

214 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went mountain/road biking as one of those activities. 80 of the 214 (37.3%) plan to return to Lake Berryessa within the next two years.

| <u>Mountain/<br/>Road Biking</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|----------------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                                  | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes (Mountain)</u>            | 33                                                                | 31        | 9            | 73           |
| <u>Yes (Road)</u>                | 37                                                                | 55        | 18           | 109          |
| <u>Yes (Both)</u>                | 10                                                                | 19        | 2            | 31           |
| <u>No</u>                        | 83                                                                | 101       | 50           | 234          |
| <u>Total</u>                     | 163                                                               | 206       | 79           | 448          |

Number of missing observations = 553

## OFF-ROADING

**68 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went off-roading as one of those activities. 37 of the 68 (54.4%) plan to return to Lake Berryessa within the next two years.**

| <u>Off-Road Vehicles</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|--------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                          | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes (Dirt Biking)</u> | 6                                                                 | 4         | 0            | 10           |
| <u>Yes (Fourwheel)</u>   | 21                                                                | 14        | 7            | 42           |
| <u>Yes (Quadrunner)</u>  | 8                                                                 | 4         | 1            | 13           |
| <u>Yes (Dunbuggy)</u>    | 2                                                                 | 1         | 0            | 3            |
| <u>Total</u>             | 37                                                                | 23        | 8            | 68           |

Number of missing observations = 933

## PICNICKING

362 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, went picnicking as one of those activities. 134 of the 362 (37%) plan to return to Lake Berryessa within the next two years.

| <u>Picnicking</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|-------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                   | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>        | 134                                                               | 158       | 70           | 362          |
| <u>No</u>         | 29                                                                | 48        | 9            | 86           |
| <u>Total</u>      | 163                                                               | 206       | 79           | 448          |

Number of missing observations = 553

## NATURE ACTIVITIES

244 respondents who have participated in outdoor recreation in the past 12 months, and have been to Lake Berryessa sometime during their lives, participated in nature studies as one of those activities. 84 of the 244 (34.4%) plan to return to Lake Berryessa within the next two years.

| <u>Nature Studies</u> | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|-----------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                       | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes</u>            | 84                                                                | 113       | 47           | 244          |
| <u>No</u>             | 79                                                                | 93        | 32           | 204          |
| <u>Total</u>          | 163                                                               | 206       | 79           | 448          |

Number of missing observations = 553

## BOATING ACTIVITY (OTHER THAN FISHING)

| <u>Type of Boating</u>     | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|----------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                            | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes (Power)</u>         | 6                                                                 | 10        | 7            | 23           |
| <u>Yes (Sailing)</u>       | 3                                                                 | 14        | 1            | 18           |
| <u>Yes (Skiing)</u>        | 27                                                                | 23        | 8            | 58           |
| <u>Yes (Kayak/Row)</u>     | 16                                                                | 26        | 11           | 53           |
| <u>Yes (House/Pontoon)</u> | 3                                                                 | 2         | 1            | 6            |
| <u>Yes (Jet/Waverun)</u>   | 16                                                                | 8         | 3            | 27           |
| <u>Yes (Windsurfing)</u>   | 1                                                                 | 0         | 1            | 2            |
| <u>Total</u>               | 72                                                                | 83        | 32           | 187          |

Number of missing observations = 814

## USUAL TYPE OF CAMPING

171 of the 241 respondents who have camped at Lake Berryessa reported they usually tent camp. This matches the 70.9% of tent campers in the total sample of campers. 80 of the 171 (46.8% plan to return to Lake Berryessa within the next two years.

| <u>Type of Campers</u>         | <u>Plan to return to Lake Berryessa within the next two years</u> |           |              |              |
|--------------------------------|-------------------------------------------------------------------|-----------|--------------|--------------|
|                                | <u>Yes</u>                                                        | <u>No</u> | <u>Maybe</u> | <u>Total</u> |
| <u>Yes (Other)</u>             | 4                                                                 | 1         | 5            | 10           |
| <u>Yes (Pickup w/shell)</u>    | 4                                                                 | 9         | 2            | 15           |
| <u>Yes (Pickup self-cont)</u>  | 0                                                                 | 4         | 0            | 4            |
| <u>Yes (Motor Home)</u>        | 7                                                                 | 9         | 2            | 18           |
| <u>Yes (Popup Trailer)</u>     | 3                                                                 | 3         | 2            | 8            |
| <u>Yes (Trailer self-cont)</u> | 6                                                                 | 5         | 4            | 15           |
| <u>Yes (Tent)</u>              | 80                                                                | 62        | 29           | 171          |
| <u>Total</u>                   | 104                                                               | 93        | 44           | 241          |

Number of missing observations = 760

## CAMPSITE CHARACTERISTICS

The 244 respondents who have participated in outdoor recreation in the past 12 months, have been to Lake Berryessa sometime during their lives, and went camping as one of those activities were asked to rate how important they considered some campsite characteristics. Clearly the most important characteristic was being on or near the water.

| <u>Characteristic</u>     | <u>Importance</u> |                  |                 |
|---------------------------|-------------------|------------------|-----------------|
|                           | <u>Very</u><br>%  | <u>Some</u><br>% | <u>Not</u><br>% |
| <u>Near Water</u>         | 52                | 37.3             | 10.7            |
| <u>Near Restrooms</u>     | 44.3              | 35.2             | 20.5            |
| <u>Flush Toilets</u>      | 38.5              | 32.4             | 29.1            |
| <u>Waste Dump Station</u> | 33.9              | 25.9             | 40.7            |
| <u>Hot Showers</u>        | 33.2              | 34               | 32.8            |
| <u>Full Hookups</u>       | 33.3              | 35.2             | 31.5            |

**APPENDIX F**

**COPY OF THE CONTRACT**





# United States Department of the Interior

BUREAU OF RECLAMATION  
Mid-Pacific Regional Office  
2800 Cottage Way  
Sacramento, California 95825-1898

IN REPLY  
REFER TO:

SEP 23 1988

MP-831  
ADM-4.10

California State University, Chico  
Survey Research Center  
James E. Fletcher, Ph.D., and  
Roger H. Guthrie, Ph.D.  
Chico, California 95929-0560

Subject: Grant No. 5-FG-20-00093 Market Survey and Analysis of the Lake  
Berryessa Area

Ladies and Gentlemen:

Enclosed is an executed copy of the subject Grant. This Grant is in the amount of \$40,000.00 and supports a Market Survey and Analysis of the Lake Berryessa Area.

In order for the Government to provide payment to your organization for this Grant, you are required to submit 3 copies of an invoice from your organization for the amount now due under the grant, to the above address, Attention: MP-831.

If you have any other questions, please contact Cassie Storms at (916) 979-2238 (TDD 979-2310).

Sincerely,



Camille L. Smith, III

Camille L. Smith, III  
Grants and Cooperative  
Agreements Officer

Enclosures (1)

COPY

OMB CIRCULARS

The following OMB circulars are incorporated by reference and carry the same effect as if physically attached hereto. The Recipient is responsible for compliance with the current applicable OMB Circular(s) and for an appropriate flow-down of the requirement of the applicable OMB circular(s) in all subgrants or contracts awarded hereunder. The administrative requirements and cost principles applicable to the subrecipient or contractor depend on the subrecipient, and not the prime recipient, and may, therefore, differ from the cost principles and administrative requirements applicable to the prime Recipient. Copies of current OMB Circulars are available from the Office of Management and Budget in Washington, D.C. (telephone number (202) 395-7332).

- OMB Circular A-21, "Cost Principles for Educational Institutions"
- OMB Circular A-87, "Cost Principles for State and Local Governments"
- OMB Circular A-88, "Indirect Cost Rates, Audit and Audit Followup at Educational Institutions"
- OMB Circular A-102, "Uniform Administrative Requirements for Grants-in Aid to State and Local Governments"
- OMB Circular A-110, "Uniform Administrative Requirements for Grants and Other Agreements with Institutions of Higher Education, Hospitals, and Other Nonprofit Organizations"
- OMB Circular A-122, "Cost Principles for NonProfit Organizations"
- OMB Circular A-128, "Audits of State and Local Governments"
- OMB Circular A-133, "Audit of Institutions of Higher Education and other Nonprofit Institutions"

When the Recipient/Subrecipient is a State or local government, including an Indian tribal government, the applicable requirements are set forth in OMB Circular A-102. The audit requirements are contained in OMB Circular A-128. Applicable costs shall be determined in accordance with OMB Circular A-87. When the Recipient/Subrecipient is an institution of higher education, a hospital, or other nonprofit organizations the applicable requirements are set forth in OMB Circular A-110. The audit requirements are contained in OMB Circular A-133. In awards to institutions of higher education, applicable costs shall be determined in accordance with OMB Circular A-21 and indirect cost rates shall be established in accordance with OMB Circular A-88. When the Recipient is a nonprofit organization, applicable costs shall be determined in accordance with OMB Circular A-122. When the Recipient/Subrecipient is a commercial organization, the basic principles of OMB Circular A-110 shall be utilized to the extent applicable, however, cost principles shall be in accordance with SubPart 31.2 of the Federal Acquisition Regulations (FAR), titled, "Contracts with Commercial Organizations."

MODIFICATIONS

Any changes to this Grant shall be made by means of a written modification. Changes dealing with administrative matters (such as in paying office, changes of address, etc.) may be made by a unilateral modification. A modification issued solely for funding a Federal Fiscal Year may also be made unilaterally. Any other changes shall be made by a bilateral modification (signed by both parties). No written statement by any other person than the Grants and Cooperative Agreements Officer, and no oral statement of any person, shall be allowed in any manner or degree to modify or otherwise effect the terms of the Grant.

TERMINATION OF THE GRANT

Termination of this Grant, either for cause or convenience, will be in accordance with the termination provisions of the applicable OMB Circular.

UTILIZATION OF SMALL BUSINESS CONCERNS AND SMALL DISADVANTAGED BUSINESS CONCERNS

It is the policy of the United States that small business concerns and small business concerns owned and controlled by socially and economically disadvantaged individuals shall have the maximum practicable opportunity to participate in performing grants awarded by any Federal agency.

The Recipient hereby agrees to carry out this policy in the awarding of subgrants and contracts to the fullest extent consistent with efficient grant performance. The Recipient further agrees to cooperate in any studies or surveys as may be conducted by the United States Small Business Administration or the awarding agency of the United States as may be necessary to determine the extent of the Recipient's compliance with this clause.

As used in this Grant the term "small business concern" shall mean a small business as defined pursuant to Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto. The term "small business concern owned and controlled by socially and economically disadvantaged individuals" shall mean a small business concern:

Which is at least 51 percent owned by one or more socially and economically disadvantaged individuals' or in the case of any publicly owned business, at least 51 per centum of the stock of which is owned by one or more socially and economically disadvantaged individuals; and

Whose management and daily business operations are controlled by one or more of such individuals.

The Recipient shall presume that socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans, Asian-Indian Americans and other minorities, or any other individual found to be disadvantaged by the Administration pursuant to Section 8(a) of the Small Business Act.

Recipients acting in good faith may rely on written representation by their sub-recipients or contractors regarding their status as either a small business concern or a small business concern owned and controlled by socially and economically disadvantaged individuals.

USE OF THE METRIC SYSTEM - RECLAMATION (MAR 1993)

Section 5163 of Public Law 100-418, the Omnibus Trade and Competitiveness Act of 1988 (Trade Act), amended the Metric Conversion Act of 1975 and designated the metric system of weights and measures for United States trade and commerce.

As a result of the Trade Act, the President issued Executive Order 12770 dated July 25, 1991, to implement the Congressional designation of the metric system of measurement as the preferred system of weights and measures for United States trade and commerce.

The metric system of measurement shall be used in grants, except to the extent that such use is impractical or is likely to cause significant inefficiencies, or is not economically feasible. To the extent possible, scientific and technical reports and recipient-furnished materials provided under the grant, including computer programs, shall use appropriate metric units.

17. CERTIFICATIONS AND ATTACHMENTS

The following attachments are hereby incorporated into this grant. These "certifications" must be completed by the Recipient.

Attachment 1 - DI Form 1953, Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions (2 pages)

Attachment 2 - DI Form 1954, Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions (2 pages)

Attachment 3 - Nonprocurement Debarment and Suspension; Notice and Final Rule and Interim Final Rule

Attachment 4 - DI Form 1955, Certification Regarding Drug-Free Workplace Requirements (Alternate I. Grantees Other Than Individuals) (2 pages)

OR

Attachment 5 - DI Form 1956, Certification Regarding Drug-Free Workplace Requirements (Alternate II. Grantees who are Individuals) (1 page)

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION

|                                                                                                                                                                                              |  |                                                                       |                                                                                                                                                                                                                                            |                             |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------|
| 1. GRANT NO.<br>5-FG-20-00007                                                                                                                                                                |  | 2. REQUISITION NUMBER<br>5-0200-0024-00093                            |                                                                                                                                                                                                                                            | 3. CLASS OF RECIPIENT<br>06 |                 |
| 4. ISSUED BY<br>U.S. Department of the Interior<br>Bureau of Reclamation<br>Mid-Pacific Region<br>2800 Cottage Way, Room W-1540<br>Sacramento CA 95825-1898                                  |  |                                                                       | 5. RECIPIENT<br>California State University, Chico<br>Survey Research Center<br>Chico, California 95929-0560                                                                                                                               |                             |                 |
| 6. NAME, ADDRESS, AND PHONE NO. OF ASSISTANCE REPRESENTATIVE<br>Bureau of Reclamation<br>Lake Berryessa Office<br>Jack Mellor, Park Manager<br>5520 Knoxville Road<br>Napa, California 94558 |  |                                                                       | 7. NAME, ADDRESS, AND PHONE NO. OF RECIPIENT'S PROJECT MANAGER<br>California State University, Chico<br>Survey Research Center<br>James E. Fletcher, Ph.D., and<br>Roger H. Guthrie, Ph.D., (916) 898-6408<br>Chico, California 95929-0560 |                             |                 |
| 8. PROGRAM STATUTORY AUTHORITY<br>PL 102-575 Reclamation Recreation Management Act of 1992                                                                                                   |  |                                                                       |                                                                                                                                                                                                                                            |                             |                 |
| 9. EFFECTIVE DATE<br>See Block 15                                                                                                                                                            |  |                                                                       | 10. COMPLETION DATE<br>May 15, 1995 / <i>6/26/95</i>                                                                                                                                                                                       |                             |                 |
| 11. TOTAL AMOUNT OF AGREEMENT<br>\$40,000.00                                                                                                                                                 |  | 12. ACCOUNTING AND APPROPRIATION DATA<br>450 0982 9832 100 95 0 5 (8) |                                                                                                                                                                                                                                            |                             |                 |
| AMOUNT OF FUNDS OBLIGATED<br>\$40,000.00                                                                                                                                                     |  |                                                                       |                                                                                                                                                                                                                                            |                             |                 |
| 13. PROJECT DESCRIPTION<br>To take a market Area Survey and Analysis of the Lake Berryessa area.                                                                                             |  |                                                                       |                                                                                                                                                                                                                                            |                             |                 |
| 14. Acceptance of this Assistance Agreement indicates a willingness to comply with all applicable Federal laws, Executive Orders, regulations and policies                                   |  |                                                                       | 15. Acceptance of this Assistance Agreement in accordance with all applicable Federal laws, Executive Orders, regulations and policies is hereby made on behalf of the United States of America, Bureau of Reclamation                     |                             |                 |
| NAME OF RECIPIENT<br>BY The University Foundation, CSU, Chico                                                                                                                                |  |                                                                       | BY <i>Camille L. Smith</i> 9.28.95                                                                                                                                                                                                         |                             |                 |
| SIGNATURE<br><i>Jeff Wright</i>                                                                                                                                                              |  | DATE<br>9/26/95                                                       | SIGNATURE<br><i>Camille L. Smith</i>                                                                                                                                                                                                       |                             | DATE<br>9.28.95 |
| TYPED NAME<br>Jeff Wright                                                                                                                                                                    |  |                                                                       | TYPED NAME<br>Grants and Cooperative Agreements Officer                                                                                                                                                                                    |                             |                 |
| TITLE<br>Director of Sponsored Projects                                                                                                                                                      |  |                                                                       | TITLE<br>(916) 979-2174                                                                                                                                                                                                                    |                             |                 |
| TELEPHONE NO. 916-898-5700                                                                                                                                                                   |  |                                                                       | TELEPHONE NO.                                                                                                                                                                                                                              |                             |                 |

Attach additional signatures