SURVEY RESEARCH CENTER
CALIFORNIA STATE UNIVERSITY, CHICO

LAKE BERRYESSA MARKET AREA SURVEY

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TABLE OF CONTENTS

	Page
Introduction	1
Survey Results and Discussion	3
Summary and Recommendations	13

Charts:

1. Outdoor Recreation Participation, 12 Month/5 year	2
2. Outdoor Recreation Participation on or Near Water, 12 Month	2
3. Outdoor Recreation Participation on or Near Water, 5 year	3
4. Been to Lake Berryessa / Plan to Return	3
5. Outdoor Recreation Participation by Activity, 12 Month	4
6. Boating Activity (Other than Fishing)	5
7. Usual Type of Camping	5
8. Length of Stay for Usual Type of Camping	6
9. Importance of Campsite Characteristics	6
10. Number of Water Based Outdoor Recreation Trips	7
11. Number of Days Per Outdoor Recreation Trip Near Water	8
12. Amount of Money Spent Per Outdoor Recreation Trip, Water	8
13. Amount of Money Spent Per Outdoor Recreation Trip/# of Trips	9
14. Amount of Money Spent Per Outdoor Recreation Trip/# of Days	9
15. Visitors to Lake Berryessa by Area of Residence	10
16. Why Not Berryessa	11
17. Sources of Information About Outdoor Recreation, 12 Month	12
18. Opportunity to Plan Favorite Outdoor Recreation Area, Important	13
19. Opportunity to Plan Favorite Outdoor Recreation Area, Unimportant	13

Appendices :

Survey	A
Focus Group Findings	B
Production Report	C
Survey Responses by Question	D
Activity Participation: Plan to Return to Lake Berryessa	E
Copy of the Contract	F

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 be 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).

CHART 1

OUTDOOR RECREATION PARTICIPATION
12 MONTH / 5 YEAR

	Past 12 months	Past 5 years	Total
Participation	**829**	**172**	**1001**

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).

CHART 2

OUTDOOR RECREATION PARTICIPATION
ON OR NEAR WATER
FOR
12 MONTH OUTDOOR RECREATION GROUP

	Past 12 months	Past 5 years	No water	Total
Participation	**656**	**116**	**57**	**829**

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

CHART 3

OUTDOOR RECREATION PARTICIPATION ON OR NEAR WATER 5 YEAR OUTDOOR RECREATION GROUP

	Past 5 years	No water	Total
Participation	**111**	**61**	**172**

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.

CHART 4

BEEN TO LAKE BERRYESSA / PLAN TO RETURN

Participants	Been	% Been	Plan to Return	% Plan to Return
880*	**506**	**57.5%**	**178**	**35.2%**

*** 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 2YRS	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

Type of Boating	Plan to return to Lake Berryessa within the next two years				
	Yes	No	Maybe	Total	% Return
Power	6	10	7	23	26.1
Sailing	3	14	1	18	16.7
Skiing	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
Total	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

Type of Camping	Plan to return to Lake Berryessa within the next two years				
	Yes	No	Maybe	Total	% Return
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
Tent	80	62	29	171	46.8
Total	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

Type of Camping	Length of Stay				
	1 Day	2 Days	3 Days	4 Days	5 Days
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
Tent	69	77	66	22	18
Total	83	100	97	35	37

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

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

Number of Trips	Plan to return to Lake Berryessa within the next two years				
	Yes	No	Maybe	Total	% Return
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
Total	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

Number of Days	Plan to return to Lake Berryessa within the next two years				
	Yes	No	Maybe	Total	% Return
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
Total	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

Amount of Money	Plan to return to Lake Berryessa within the next two years				
	Yes	No	Maybe	Total	% Return
$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
Total	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

Amount of Money	Number of Trips Per Year				
	1-4 Trips	5-9 Trips	10-14 Trips	15-24 Trips	25+Trips
$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
Total	**145**	**140**	**117**	**83**	**134**

CHART 14

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

Amount of Money	Number of Days Per Trip				
	1 Day	2 Days	3 Days	4 Days	5+ Days
$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
Total	**250**	**136**	**122**	**41**	**63**

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 flatwatter opportunities, the reasons for this group choosing Lake Berryessa may deserve further study.

CHART 15

VISITORS TO LAKE BERRYESSA BY AREA OF RESIDENCE

Area of Residence	Plan to return to Lake Berryessa within the next two years				
	Yes	No	Maybe	Total	% Return
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
Total	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?

Why don't go to Berryessa	All	Been, but are not returning within the next two years			
		No	Maybe	Total	% n=254
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				
Total	1001	190	64	254	100%

* 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
Total	824	100

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 experiencies 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 q1a]
<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 q1e1]
<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 experiencies 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 q1a]
<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 q1e1]
<3> No [goto agno]
<8> Don't Know [goto agno] ===>

>q1a< 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 ===>

>q1b< 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 ===>

>q1c< 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 ===>

>q1d< 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
===>

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

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

>Csmp< 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 q1e1 is yes-REC (12 mos) + PAST WATER (5 yrs)
sample 3=dial or rdil is yes and q1e1 is no- REC (12 mos) + NO WATER
sample 4=scr2 or scr5 is yes and q1e1 is yes-PAST REC(5 yrs) + PAST WATER(5 yrs)
sample 5=scr2 or scr5 is yes and q1e1 is no- PAST REC (5 yrs) + NO WATER

>wrd1< stores participate or participated

>q1f< 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            <9> Feather River
     <2> Lake Oroville          <10> San Francisco Bay
     <3> Lake Berryessa         <11> Lake Shasta
     <4> Clear Lake             <12> North Coast (Monterey Bay to Oregon)
     <5> Lake Tahoe             <13> South Coast (Pacific Grove to Mexico)
     <6> Sacramento Delta       <14> Russian River
     <7> Sacramento River       <15> Yosemite
     <8> American River         <16> Out of state or out of country

              <0> Other [specify]
              <88> Don't know [goto q1h]
              <99> Refused [goto q1h]        ===>

>Cq1f<[if samp eq <2> goto q1h]
     [if samp eq <4> goto q1h]

>q1g< During the past 12 months, about how often did you go to [fill q1f]?
          <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     ===>

>q1h< 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            <8> American River
     <2> Lake Oroville          <9> Feather River
     <3> Lake Berryessa         <10> San Francisco Bay
     <4> Clear Lake             <11> Lake Shasta
     <5> Lake Tahoe             <12> North Coast (Monterey Bay to Oregon)
     <6> Sacramento Delta       <13> South Coast (Pacific Grove to Mexico)
     <7> Sacramento River
                  <0> Other [specify]
                  <88> Don't know [goto wrd2]
                  <99> Refused [goto wrd2]   ===>
```

```
>ckf< [if samp ne <1> goto wrd2]
      [if q1f eq q1h goto wrd2]
>q1i< During the past 12 months, about how often did you go to [fill q1h]?
            <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

>q1j< 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 q1k]
      <4> group of families, [goto q1k]
      <5> group of friends, [goto q1k]
      <6> group of family and friends, [goto q1k]
      <7> organization, such as a club, school, or church group, or [goto q1k]
      <0> some other? [specify][goto q1k]
      <8> Don't know
      <9> Refused
===> [goto Cq2]

>q1k< 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 categoreis
            <14> state/fed agencies but not at rec. area
            <15> businesses not at rec. area
            <16> personel 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 get 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 q1f eq <3> goto q16a]          [if q1h eq <3> goto q16a]

>q16< Have you ever been to Lake Berryessa?
          <1>  Yes [goto q16a]
          <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 q18]
          <3> No
          <5> Maybe
          <8> Don't know
          <9> Refused     ===>

>word< if q16=3, store 'have never gone' in word
      if q6=1, store 'no longer go' in word
      if q16=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, somewnat 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> $80,000-100,0000
<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 subtacting 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 ELIGIBLE	% OF ALL
ELIGIBLE:			
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%
NON-ELIGIBLE:			
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%
TOTAL ELIGIBLE + NON-ELIGIBLE:	3800		100.0%

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, 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	0	17	522	319	8	67	212	1543
	ROW %	25.8%	0.0%	0.0%	1.1%	33.8%	20.7%	0.5%	4.3%	13.7%	100.0%
	COL %	39.8%	0.0%	0.0%	4.4%	89.4%	55.4%	21.6%	57.3%	42.1%	40.6%
2	N	224	0	0	77	28	54	7	19	119	528
	ROW %	42.4%	0.0%	0.0%	14.6%	5.3%	10.2%	1.3%	3.6%	22.5%	100.0%
	COL %	22.4%	0.0%	0.0%	20.0%	4.8%	9.4%	18.9%	16.2%	23.6%	13.9%
3	N	125	1	2	74	11	34	10	10	67	334
	ROW %	37.4%	0.3%	0.6%	22.2%	3.3%	10.2%	3.0%	3.0%	20.1%	100.0%
	COL %	12.5%	0.9%	0.4%	19.2%	1.9%	5.9%	27.0%	8.5%	13.3%	8.8%
4	N	87	1	10	46	2	26	2	4	35	213
	ROW %	40.8%	0.5%	4.7%	21.6%	0.9%	12.2%	0.9%	1.9%	16.4%	100.0%
	COL %	8.7%	0.9%	2.1%	11.9%	0.3%	4.5%	5.4%	3.4%	6.9%	5.6%
5	N	64	4	17	52	3	86	3	10	29	268
	ROW %	23.9%	1.5%	6.3%	19.4%	1.1%	32.1%	1.1%	3.7%	10.8%	100.0%
	COL %	6.4%	3.5%	3.5%	13.5%	0.5%	14.9%	8.1%	8.5%	5.8%	7.1%
6	N	54	5	24	37	9	18	2	4	19	172
	ROW %	31.4%	2.9%	14.0%	21.5%	5.2%	10.5%	1.2%	2.3%	11.0%	100.0%
	COL %	5.4%	4.4%	5.0%	9.6%	1.5%	3.1%	5.4%	3.4%	3.8%	4.5%
7	N	32	70	413	40	7	34	3	3	15	617
	ROW %	5.2%	11.3%	66.9%	6.5%	1.1%	5.5%	0.5%	0.5%	2.4%	100.0%
	COL %	3.2%	61.4%	85.7%	10.4%	1.2%	5.9%	8.1%	2.6%	3.0%	16.2%
8	N	12	21	11	32	2	5	1	0	6	90
	ROW %	13.3%	23.3%	12.2%	35.6%	2.2%	5.6%	1.1%	0.0%	6.7%	100.0%
	COL %	1.2%	18.4%	2.3%	8.3%	0.3%	0.9%	2.7%	0.0%	1.2%	2.4%
9	N	5	7	2	6	0	0	1	0	1	22
	ROW %	22.7%	31.8%	9.1%	27.3%	0.0%	0.0%	4.5%	0.0%	4.5%	100.0%
	COL %	0.5%	6.1%	0.4%	1.6%	0.0%	0.0%	2.7%	0.0%	0.2%	0.6%
10+	N	0	5	3	4	0	0	0	0	1	13
	ROW %	0.0%	38.5%	23.1%	30.8%	0.0%	0.0%	0.0%	0.0%	7.7%	100.0%
	COL %	0.0%	4.4%	0.6%	1.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%
TOTAL	N	1001	114	482	385	584	576	37	117	504	3800
	ROW %	26.3%	3.0%	12.7%	10.1%	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%	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 experiencies 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)

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

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

Q1F MOST OFTEN ON/NEAR WATER	Frequency	% n=1001	% n=868
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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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
Total	1001	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
total	1001	100	100

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
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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?

Q6 FREQUENCY BEACH 12 MONTHS	Frequency	% n=1001	Percent484
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	
Total	1001	100	100

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

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

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

Q6C AMOUNT SWIM PAST 12 MONTHS	Frequency	% n=1001	% n=421
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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	7.919.3	19.3
No camping past 12 months	592	59.1	
Total	1001	100	100

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

Q8B RESTROOMS WITH FLUSH TOILETS	Frequency	% n=1001	% n=409
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	
Total	1001	100	100

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

Q8C WASTE DUMP STATION	Frequency	% n=1001	% n=92
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	
Total	1001	100	100

q8d Campgrounds with hot showers?

Q8D HOT SHOWERS	Frequency	% n=1001	% n=409
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	
Total	1001	100	100

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

Q8E FULL HOOKUPS	Frequency	% n=1001	% n=92
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?

Q8F BOAT WHEN CAMPING	Frequency	% n=1001	% n=394
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?

Q8F1 NEAR LAUNCHING RAMP	Frequency	% n=1001	% n=140
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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
	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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

q12 Did you use any type of off road vehicle for recreation during the past 12 months? (dirtbiking, ATVing, 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	
Total	1001	100	100

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 ATVin	13	1.3	10.6
dunebuggying	4	0.4	3.3
No on q12 or no outdoor recreation past 12 months	878	87.7	
Total	1001	100	100

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	
Total	1001	100	100

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

Q12C 2ND 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	
Total	1001	100	100

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

Q12D FREQUENCY 2ND 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	
Total	1001	100	100

Q12E FREQUENCY 3RD 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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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

Q15B AMOUNT SPENT ON/NEAR WATER	Frequency	% n=1001	% n=623
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 (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	
Total	1001	100	100

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	
Total	1001	100	100

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

FUTURE PARTICIPATION ON/NEAR WATER	Frequency	% n=1001	% n=275
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	
Total	1001	100	100

q16 Have you ever been to Lake Berryessa?

Q16 BEEN TO LAKE BERRYESSA	Frequency	% n=1001	% n=880
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	
Total	1001	100	100

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

Q16A GO TO BERRYESSA NEXT 2 YRS	Frequency	% n=1001	% n=503
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	
Total	1001	100	100

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

Q17 WHY DON'T GO TO BERRYESSA	Frequency	% n=1001	% n=654
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	
Total	1001	100	100

q17b Any other reasons?

Q17B ANOTHER REASON NOT BERRYESSA	Frequency	% n=1001	% n=550
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	
Total	1001	100	100

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 2ND 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 3RD 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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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	
	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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

q18q Outdoor/nature educational facilities and programs?

Q18Q PLAN NATURE EDUCATION	Frequency	% n=1001	% n=883
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	
Total	1001	100	100

q18r Picnic areas?

Q18R PLAN PICNIC AREAS	Frequency	% n=1001	% n=883
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	
Total	1001	100	100

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

Q18S PLAN HOTELS/MOTELS	Frequency	% n=1001	% n=882
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	
Total	1001	100	100

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?

Q18W PLAN GAS/CONVENIENCE STORES	Frequency	% n=1001	% n=882
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	
Total	1001	100	100

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

Q18X PLAN ACTIVE SPORTS FACILITIES	Frequency	% n=1001	% n=883
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	
Total	1001	100	100

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

Q18Y PLAN ENFORCEMENT OF LAWS	Frequency	% n=1001	% n=881
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	
Total	1001	100	100

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	
Total	1001	100	100

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	
Total	1001	100	100

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 8th 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	
Total	1001	100	100

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	
Total	1001	100	100

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

ZIP CODE	First two	Last three	Frequency	% n=1001
	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.

Hiking or Backpacking	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	101	117	47	265
No	62	89	32	183
Total	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.

Fishing	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	72	68	22	162
No	65	105	45	215
Total	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.

Boating Other Than Fishing	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	75	89	32	196
No	62	84	35	181
Total	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.

Beach Activities	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	98	124	53	275
No	39	49	14	102
Total	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.

Swimming	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	110	99	40	249
No	27	74	27	128
Total	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.

Camping	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	104	96	44	244
No	59	110	35	204
Total	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.

Use Boat When Camping	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	54	28	13	95
No	50	67	31	148
Total	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.

Horseback Riding	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	18	17	5	40
No	145	189	74	408
Total	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.

Tennis/Golf Vollyball	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	85	98	36	219
No	78	108	43	229
Total	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.

Mountain/ Road Biking	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes (Mountain)	33	31	9	73
Yes (Road)	37	55	18	109
Yes (Both)	10	19	2	31
No	83	101	50	234
Total	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.

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

Picnicking	Plan to return to Lake Berryessa within the next two years			
	Yes	No	Maybe	Total
Yes	134	158	70	362
No	29	48	9	86
Total	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.

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

Number of missing observations = 553

BOATING ACTIVITY
(OTHER THAN FISHING

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

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

Characteristic	Importance		
	Very %	Some %	Not %
Near Water	52	37.3	10.7
Near Restrooms	44.3	35.2	20.5
Flush Toilets	38.5	32.4	29.1
Waste Dump Station	33.9	25.9	40.7
Hot Showers	33.2	34	32.8
Full Hookups	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 30 1999

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,

Cammille L. Smith, III
Grants and Cooperative
Agreements Officer

Enclosures (1)

COPY

16. GENERAL PROVISIONS

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 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)

-2277A

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

1. GRANT NO.	2. REQUISITION NUMBER	3. CLASS OF RECIPIENT
5-FG-20-00007	5-0200-0024-00093	06

4. ISSUED BY CODE MP-831

U.S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Region
2800 Cottage Way, Room W-1540
Sacramento CA 95825-1898

5. RECIPIENT

California State University, Chico
Survey Research Center
Chico, California 95929-0560

6. NAME, ADDRESS, AND PHONE NO. OF ASSISTANCE REPRESENTATIVE

Bureau of Reclamation
Lake Berryessa Office
Jack Mellor, Park Manager
5520 Knoxville Road
Napa, California 94558

7. NAME, ADDRESS, AND PHONE NO. OF RECIPIENT'S PROJECT MANAGER

California State University, Chico
Survey Research Center
James E. Fletcher, Ph.D., and
Roger H. Guthrie, Ph.D., (916) 898-6408
Chico, California 95929-0560

8. PROGRAM STATUTORY AUTHORITY

PL 102-575 Reclamation Recreation Management Act of 1992

9. EFFECTIVE DATE

See Block 15

10. COMPLETION DATE

May 15, 1996 RW 9/26/95

11. TOTAL AMOUNT OF AGREEMENT $40,000.00

AMOUNT OF FUNDS OBLIGATED $40,000.00

12. ACCOUNTING AND APPROPRIATION DATA

450 0982 9832 100 95 0 5 (8)

13. PROJECT DESCRIPTION

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

NAME OF RECIPIENT
BY The University Foundation, CSU, Chico

SIGNATURE Jeff Wright DATE 9/26/95

TYPED NAME
Jeff Wright

TITLE
Director of Sponsored Projects

TELEPHONE NO. 916-898-5700

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

BY Camille L. Smith 9.28.95

SIGNATURE DATE

TYPED NAME
Grants and Cooperative Agreements Officer

TITLE
(916) 979-2174

TELEPHONE NO.

Attach additional signatures