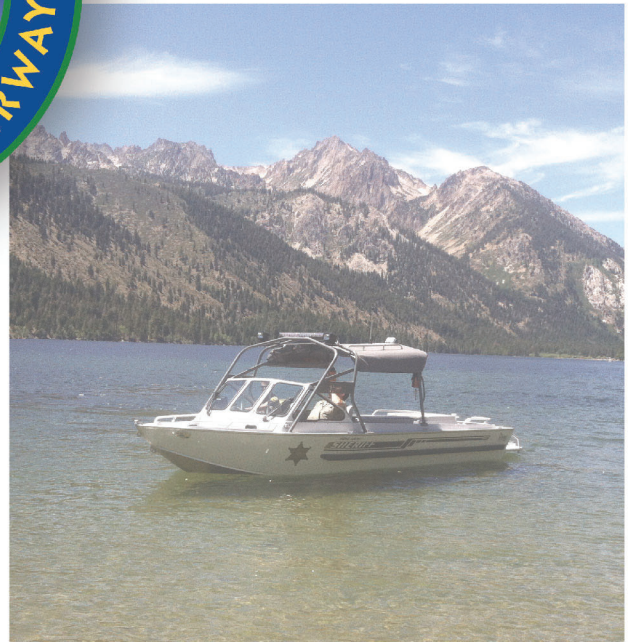


CALIFORNIA BOATING FACILITIES NEEDS ASSESSMENT

2019

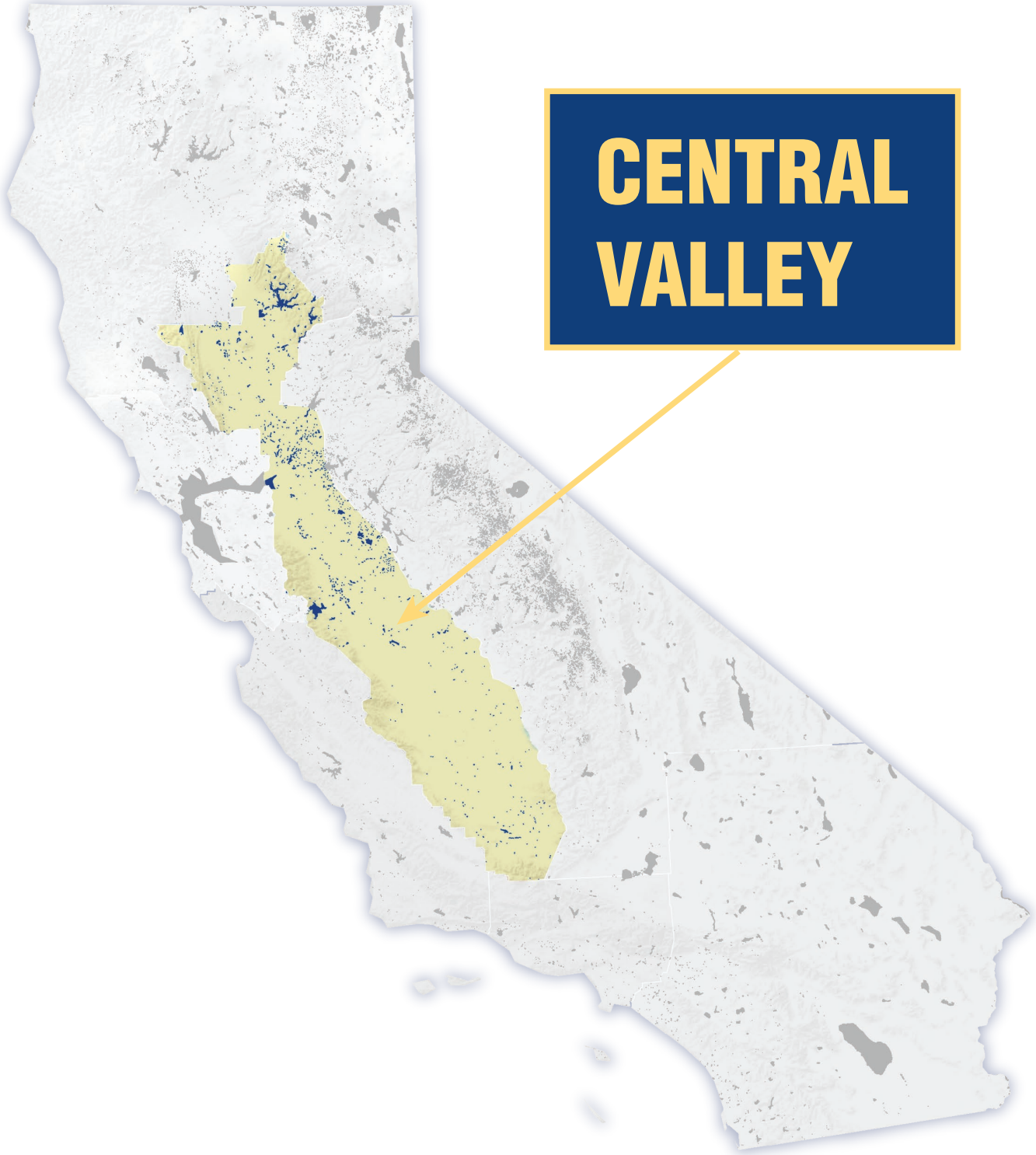


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CBFNA

VOLUME VI



**CENTRAL
VALLEY**

CALIFORNIA BOATING FACILITIES NEEDS ASSESSMENT



CALIFORNIA BOATING FACILITIES NEEDS ASSESSMENT

State of California

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California Natural Resources Agency

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December 2019

The California Boating Facility Needs Assessment was prepared under contract by:

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Contractors would like to acknowledge and thank the following individuals from the Division of Boating and Waterways.

Deputy Directors: Ramona Fernandez, *Acting Deputy Director*; Lynn Sadler, *Former Deputy Director*;

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California Boating and Waterways Commission: Randy Short, *Former-Chair*; Katherine Pettibone, *Vice*

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Douglas W. Metz, *Member*; Frank Peralta, *Member*

CBFNA Project Managers: Jeffrey Caudill, Charley Hesse, and Jared Zucker

DBW Employees: Keren Dill, Brian Carroll, Joleane King, and Amy Rigby.

Contractors would like to acknowledge and thank the following individuals for their work on this project. Without their dedication, this project would not have been possible.

Senior Research Assistants: Heather Everett, Laura Gray, and Casey White

Junior Research Assistants: Elizabeth Armas, Laurel Pyle, Cinthia Spitaleri, and Kyle Weisenthal

Graphic Designer: Nathan Rinehart

CSUS, Department Chair of RPTA: Dr. Greg Shaw

CSUS, IT Support: Carl Kelley

Thank you to everyone who participated in this study by completing a survey or attending a focus group interview.

The statements and conclusions of this report are those of the contractor and not necessarily those of the California Division of Boating and Waterways, or its employees. The division makes no warranties, express or implied, and assumes no liability for the information in the succeeding text.



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Introduction

In *Volume VI: Central Valley*, findings for this region and its waterways are provided. In the first part of this volume, the regions' counties and waterways are identified, followed by descriptions of the motorized and non-motorized boater study participants who reside in this region. Preferred waterways located in this region—as reported by both motorized and non-motorized study participants—are identified. Descriptions of these waterways' facility needs, issues, and reasons for boating are summarized. Forecasts for registered motorized boats in this region are provided, in addition to summary statistics for existing facilities. Data are included for all waterways at the end of this volume in the appendices.

Region's Counties & Waterways

The Central Valley region is comprised of 14 counties: Butte, Colusa, Fresno, Kern, Kings, Madera, Merced, Sacramento, San Joaquin, Stanislaus, Sutter, Tulare, Yolo, and Yuba. A portion of four counties (Fresno, Madera, Stanislaus, and Yuba) that are geographically located in the Sierra mountain range are included in the Sierra region. Within the Central Valley region, 48 waterways have been identified as having recreational opportunities for motorized and/or non-motorized boaters (Table 1).



Table 1. Waterways in the Region

Waterways			
American River	Fresno Slough	Lake Yosemite	Sacramento River
Avocado Lake	Hensley Lake	Lodi Lake	Sacramento-San Joaquin Delta
Bass Lake	Kaweah Reservoir	Los Banos Creek Reservoir	San Joaquin River
Berenda Reservoir	Lake Buena Vista	Merced River	San Luis Reservoir
Brite Valley Lake	Lake Evans	Millerton Lake	Sly Creek Reservoir
Butte Creek	Lake Isabella	Modesto Reservoir	Success Lake
Cache Creek	Lake McClure	Oak Grove Lake	Thermalito Afterbay
Collins Lake	Lake McSwain	O'Neill Forebay	Thermalito Diversion Pool
East Park Reservoir	Lake Ming	Paradise Lake	Thermalito Forebay
Eastman Lake	Lake Natoma	Pine Flat Lake	Turlock Lake
Feather River	Lake Oroville	Rancho Seco Lake	Washington Lake
Folsom Lake	Lake Woollomes	Redinger Lake	Woodward Reservoir

Total Count = 48



Motorized Boater Survey

For the Central Valley region, a total of 598 registered boat owners responded to this survey. The sample of motorized recreational boaters reside across a range of counties within this region with most of the respondents residing in Sacramento, followed by San Joaquin, Fresno, Stanislaus, and Butte (Table 2).

Participants' Characteristics & Boat

Ownership

This results section provides information on the study participants, including information on participants' demographics, their households, and types of boats owned.

Characteristics of Online Study Participants

Survey respondents were asked a range of demographic questions. Questions included ones related to gender, age, number of adults and children in the household, income, education level, ethnicity, and primary language spoken. These demographic questions were voluntary, and half of the respondents (approximately 48%) chose to answer these questions.

Of those who chose to disclose their gender, the overwhelming majority were males (Table 3).

Table 3. Gender of Survey Respondents

Gender	Respondents	Percent
Female	24	8.4%
Male	261	91.6%

N = 285

The average age is 70, and the median is 71 years old (Table 4).

The number of adults and children reported in participants' household are summarized in Table 5 and Table 6, respectively.

Table 5. Number of Adults in Household

Adults	Respondents	Percent
1	26	9.2%
2	212	74.6%
3	27	9.5%
4+	19	6.7%

N = 284

Table 2. Counties Where Respondents Reside

County	Respondents	Percent
Sacramento	175	29.3%
San Joaquin	76	12.7%
Fresno	70	11.7%
Stanislaus	62	10.4%
Butte	61	10.2%
Kern	43	7.2%
Yolo	21	3.5%
Tulare	21	3.5%
Madera	18	3.0%
Merced	18	3.0%
Yuba	13	2.2%
Sutter	9	1.5%
Kings	7	1.2%
Colusa	4	0.7%

N = 598

Table 4. Age of Survey Respondents

Age Range	Respondents	Percent
30-39	3	1.1%
40-49	16	5.6%
50-59	34	11.9%
60-69	72	25.3%
70-79	100	35.1%
80-89	53	18.6%
Over 89	7	2.5%

N = 285

Table 6. Number of Children in Household

Children	Respondents	Percent
0	206	73.6%
1	34	12.1%
2	28	10.0%
3	8	2.9%
4+	4	1.4%

N = 280

For those responding to income-related questions, total household income and number of people contributing to household income can be found in Table 7 and Table 8, respectively.

Table 7. Total Household Income (Before Taxes)

Income Range	Respondents	Percent
under \$25,000	13	4.5%
\$25,000 - \$49,999	34	11.8%
\$50,000 - \$74,999	52	18.1%
\$75,000 - \$99,999	50	17.4%
\$100,000 - \$124,999	49	17.0%
\$125,000 - \$149,999	26	9.0%
\$150,000 - \$174,999	23	8.0%
\$175,000 - \$199,999	11	3.8%
\$200,000 or more	30	10.4%

N = 288

The majority of respondents (62.5%) have completed some form of higher education: a 2-year degree, 4-year degree, or graduate school (Table 9).

Ethnicity and primary language spoken reported by survey respondents can be found in Table 10 and Table 11, respectively.



Table 8. Number Contributing to Household Income

Earners	Respondents	Percent
1	87	30.2%
2	193	67.0%
3+	8	2.8%

N = 288

Table 9. Participants' Highest Education Level Completed

Education Level	Respondents	Percent
Did not complete high school	7	2.5%
High School	73	25.8%
2-Year College Degree	54	19.1%
4-Year College Degree	80	28.3%
Graduate School	42	14.8%
Other	27	9.5%

N = 283

Table 10. Ethnicity of Survey Respondents

Ethnicity	Respondents	Percent
White	226	81.9%
Asian	18	6.5%
Hispanic or Latino	8	2.9%
African American	6	2.2%
Prefer not to answer	6	2.2%
Pacific Islander	6	2.2%
Native American	5	1.8%
Biracial/multiracial	1	0.4%

N = 276

Table 11. Primary Language of Survey Respondents

Primary Language	Respondents	Percent
English	276	96.5%
Other	7	2.4%
Punjabi	1	0.3%
Spanish	2	0.7%

N = 286

Boat Ownership of Study Participants

Respondents were asked how many motorized boats they owned. The large majority (72.2%) indicated owning only one motorized boat (Table 12).

Respondents were also asked to identify the type of boat(s) they own. Participants owning more than one boat registered with the DMV or USCG were asked to identify which of their registered motorized boats they consider their “primary” boat (i.e., used most frequently).

Approximately 49.9% of the registered boat owners reported a powerboat as their primary boat. Bass boat/jon boats were the second most frequently reported boat (Table 13).

Participants were also asked how many non-motorized boats they own (Table 14). Approximately, 82.7% of the survey respondents did not own a non-motorized boat, while the other 37.3% reported owning a non-motorized watercraft. Those not owning a non-motorized boat were asked if they were interested in non-motorized boating, and 45.3% indicated interest (Table 15).



Table 12. Number of Motorized Boats Owned

Number of Boats	Respondents	Percent
1	421	72.2%
2	120	20.6%
3	22	3.8%
4	11	1.9%
5+	9	1.5%

N = 583

Table 13. Primary Motorized Boat

Types of Boats	Respondents	Percent
Powerboat	278	49.9%
Bass boat / jon boat	119	21.4%
Rowboat (w/ motor)	43	7.7%
Pontoon boat	28	5.0%
Cabin cruiser	28	5.0%
Sailboat (> 8 ft) w/ aux	25	4.5%
Other	22	3.9%
Houseboat	7	1.3%
Inflatable w/ motor	4	0.7%
Sailboat (< 8 ft)	1	0.2%
Barge	1	0.2%
Sailboat (> 8 ft) w/o aux	1	0.2%

N = 557

Table 14. Number of Non-motorized Boats

Number of Boats	Respondents	Percent
0	375	62.7%
1	95	15.9%
2	72	12.0%
3	32	5.4%
4	12	2.0%
5+	12	2.0%

N = 598

Table 15. Interest in Non-motorized Boating Activities

Interest	Respondents	Percent
No	205	54.7%
Yes	170	45.3%

N = 375

Participants owning more than one boat (motorized or non-motorized) were asked which boat was their “secondary” boat (i.e., used second most frequently). There was a wide range of responses with kayaks being mentioned the most frequently (Table 16).

In response to a question about whether or not their boat was also their primary residence, the overwhelming majority of respondents (approximately 92.1%) reported “no” (Table 17).



Table 16. Secondary Boat Types

Boat Type	Respondents	Percent
Kayak	83	29.2%
Powerboat	40	14.1%
Bass boat / jon boat	30	10.6%
Canoe	30	10.6%
Other	27	9.5%
Rowboat (w/ motor)	17	6.0%
Sailboat (> 8 ft) w/ aux	10	3.5%
Pontoon boat	10	3.5%
Inflatable w/ motor	9	3.2%
Rowboat (w/o motor)	9	3.2%
Houseboat	6	2.1%
Paddleboard	6	2.1%
Cabin cruiser	4	1.4%
Sailboat (< 8 ft)	2	0.7%
Kitesurfer	1	0.4%

N = 284

Table 17. Boat as Primary Residence

Primary Residence	Respondents	Percent
No	538	92.1%
Yes	46	7.9%

N = 584

Non-Motorized Boater Survey

For the Central Valley region, a total of 213 non-motorized boaters responded to this survey. The sample of non-motorized recreational boaters reside across a range of counties within this region (Table 18).

Participants' Characteristics & Boat Ownership/Rentals

This results section provides information on the study participants, including information on participants' demographics, their households, and types of boats owned or rented.

Table 18. Counties Where Respondents Reside

County	Respondents	Percent
Sacramento	101	47.4%
Butte	27	12.7%
Yolo	20	9.4%
San Joaquin	19	8.9%
Stanislaus	18	8.5%
Tulare	8	3.8%
Kern	7	3.3%
Fresno	7	3.3%
Yuba	3	1.4%
Madera	1	0.5%
Merced	1	0.5%
Sutter	1	0.5%

N = 213

Characteristics of Online Study Participants

Survey participants were asked a range of demographic questions. Questions included ones related to gender, age, number of adults and children in the household, income, education level, ethnicity, and primary language spoken. These demographic questions were voluntary, and just over half of the respondents (approximately 68%) chose to answer these questions.

Of those who chose to disclose their gender, there was a slightly higher number of males (57.6%) compared to females (39.6%) (Table 19).

The average age is 54, and the median is 57 years old (Table 20).

The number of adults and children reported in participants' household are summarized in Table 21 and Table 22, respectively.

Table 21. Number of Adults in Household

Adults	Respondents	Percent
1	32	23.4%
2	95	69.3%
3	8	5.8%
4	2	1.5%

N = 137

For those responding to income-related questions, total household income and number of people contributing to household income can be found in Table 23 and Table 24, respectively.

Table 23. Total Household Income (Before Taxes)

Income Range	Respondents	Percent
under \$25,000	6	4.1%
\$25,000 - \$49,999	15	10.3%
\$50,000 - \$74,999	25	17.2%
\$75,000 - \$99,999	18	12.4%
\$100,000 - \$124,999	30	20.7%
\$125,000 - \$149,999	11	7.6%
\$150,000 - \$174,999	9	6.2%
\$175,000 - \$199,999	11	7.6%
\$200,000 or more	20	13.8%

N = 145

Table 19. Gender of Survey Respondents

Gender	Respondents	Percent
Female	57	39.6%
Male	83	57.6%
Prefer not to say	4	2.8%

N = 144

Table 20. Age of Survey Respondents

Age Range	Respondents	Percent
18-29	11	7.69%
30-39	14	9.79%
40-49	23	16.08%
50-59	35	24.48%
60-69	49	34.27%
70-79	10	6.99%
80-96	1	0.70%

N = 143

Table 22. Number of Children in Household

Children	Respondents	Percent
0	111	80.4%
1	13	9.4%
2	13	9.4%
3	1	0.7%

N = 138

Table 24. Number Contributing to Household Income

Earners	Respondents	Percent
1	55	41.0%
2	74	55.2%
3	5	3.7%

N = 134

The majority of respondents (90.3%) have completed some form of higher education: a 2-year degree, 4-year degree, or graduate school (Table 25).

Ethnicity and primary language spoken reported by the survey respondents can be found in Table 26 and Table 27, respectively.

Boat Ownership/Rentals of Study Participants

Respondents were asked if they owned, rented, or both owned and rented non-motorized boats. The majority (83.6%) indicated that they owned a boat(s) (Table 28).

Those owning a non-motorized watercraft were asked how many non-motorized boats they own. Approximately, 69.2% reported owning two or more boats (Table 29).



Table 28. Own vs. Rent Boats

Number of Boats	Respondents	Percent
Both Rent and Own	41	19.2%
Own	137	64.3%
Rent	35	16.4%

N = 213

Table 25. Participants' Highest Education Level Completed

Education Level	Respondents	Percent
High School	14	9.7%
2-Year College Degree	16	11.1%
4-Year College Degree	48	33.3%
Graduate School	66	45.8%

N = 144

Table 26. Ethnicity of Survey Respondents

Ethnicity	Respondents	Percent
White	108	76.6%
Asian	14	9.9%
Bi/multiracial	9	6.4%
Prefer not to say	3	2.1%
Hispanic or Latino	2	1.4%
Black or African American	2	1.4%
Native Hawaiian or Pacific Islander	2	1.4%
American Indian or Alaska Native	1	0.7%

N = 141

Table 27. Primary Language of Survey Respondents

Primary Language	Respondents	Percent
English	138	95.8%
Cantonese	2	1.4%
Vietnamese	1	0.7%
Punjabi	1	0.7%
Mandarin	1	0.7%
German	1	0.7%

N = 144

Table 29. Number of Non-motorized Boats Owned

# of Boats Owned	Respondents	Percent
1	52	30.8%
2	37	21.9%
3	24	14.2%
4	12	7.1%
5	17	10.1%
6 - 10	22	13.0%
11 or more	5	3.0%

N = 169

Respondents were also asked to identify the type of boat(s) they own. The most frequently mentioned boats include river kayaks, SUP, outrigger canoes, and ocean kayaks (sit on top) (Table 30).

Those respondents renting boats were also asked to identify the type of boat(s) they rent. The most frequently mentioned boats include stand up paddleboards (SUP), dragon boats, ocean kayaks (sit on top), and outrigger canoes (Table 31).

Table 31. Boat Types Rented by Participants

Boat Type	Responses	Percent
SUP	20	13.4%
Dragon boat	19	12.8%
Ocean kayak (sit on top)	19	12.8%
Outrigger canoe	19	12.8%
Ocean kayak (touring)	14	9.4%
Canoe	13	8.7%
River kayak	10	6.7%
Sailboat (<8 ft)	8	5.4%
Scull/shell	8	5.4%
Whitewater raft	8	5.4%
Inflatable kayak	4	2.7%
Rowboat	3	2.0%
Windsurfer	3	2.0%
Prone paddleboard	1	0.7%
Dinghy/small raft	0	0.0%
Dory	0	0.0%
Kitesurfer	0	0.0%
Surfski /surf kayak	0	0.0%

Total Count = 149

Table 30. Boat Types Owned by Participants

Boat Type	Responses	Percent
River kayak	55	15.4%
SUP	54	15.1%
Outrigger canoe	47	13.1%
Ocean kayak (sit on top)	43	12.0%
Canoe	34	9.5%
Ocean kayak (touring)	34	9.5%
Inflatable kayak	23	6.4%
Whitewater raft	16	4.5%
Scull/shell	15	4.2%
Rowboat	10	2.8%
Windsurfer	7	2.0%
Sailboat (<8 ft)	5	1.4%
Surfski /surf kayak	5	1.4%
Dragon boat	4	1.1%
Prone paddleboard	4	1.1%
Dinghy/small raft	1	0.3%
Kitesurfer	1	0.3%
Dory	0	0.0%

Total Count = 358

Waterways Used by Recreational Boaters



















In both the motorized and non-motorized boater surveys, participants were asked to identify two waterways in California they most frequently used for recreational boating activities within the past two years (see map for waterways identified by participants as most frequented). Subsequent questions focused on aspects related to the particular waterway, including (a) what types of boats they use on the waterway and (b) perceptions of use and level of crowdedness.



Most Frequented Waterways

The following table summarizes the waterways most frequently reported for motorized and non-motorized boaters (Table 32) in response to the question: *Which two waterways have you visited most frequently within the past 2 years?* The “propeller” icon represents approximately 5% of those main waterways reported in Table 32 as most frequently visited by motorized boaters. For example, Sacramento River represents 25% (5 propellers) of those reported as most frequently visited waterways by motorized-boater study participants. Similarly, the “paddle” icon represents approximately 5% of those waterways reported in Table 32 as most frequently visited by non-motorized-boater study participants. For example, Sacramento-San Joaquin Delta represents 20% (4 paddles) of those reported as most frequently visited waterways by non-motorized boaters. The total number of waterway reports, including those not listed in Table 32, can be found in Appendix A and B.

Table 32. Reported as Primary Waterway by Respondents

Primary Waterway	Motorized Boaters	Non-motorized Boaters
Sacramento River		
Folsom Lake		
Sacramento-San Joaquin Delta		
Lake Oroville		
American River		
Lake Natoma		
San Joaquin River		
Millerton Lake		
Bass Lake		
Lake McClure		
Pine Flat Lake		
Collins Lake		
Lake Isabella		
Feather River		
Thermalito Forebay		

Types of Boats on Primary Waterways

Study participants were asked which boat(s) they use most frequently on those waterways.¹ These findings are presented in Table 33 for the primary waterways in this region (those listed in Table 32 and in the same order). For each waterway, the total number of reported motorized boat types and the total number of non-motorized reported boat types were generated. From those totals, percentages of the various boat types were calculated. In both the motorized and non-motorized boat type columns, the top two or three boat types reported for that waterway are included; boat types with small percentages are not included. For example, powerboats represent 57% and bass/jon boats represent 18% of the total number of boat types reported on Sacramento River. The remaining 25% include a wide range of the other possible motorized boat types. If a boating sub-population (i.e., motorized or non-motorized) did not identify a waterway as primary, boat type data are not included in the cell.

Table 33. Boat Types on Primary Waterways

Primary Waterway	Motorized Boat Types	Non-motorized Boat Types
Sacramento River	Powerboat (57%) Bass Boat / Jon Boat (18%)	Canoe (25%) Ocean Kayak (25%) River / Inflatable Kayak (25%)
Folsom Lake	Powerboat (65%) Bass Boat / Jon Boat (11%)	Outrigger Canoe (33%) Ocean Kayak (20%) SUP (20%)
Sacramento-San Joaquin Delta	Powerboat (60%) Bass Boat / Jon Boat (22%)	Ocean Kayak (30%) Sailboat < 8 ft, windsurfer, kitsurfer (21%) Scull or Shell Boat (15%)
Lake Oroville	Powerboat (55%) Bass Boat / Jon Boat (14%)	_____
American River	_____	River / Inflatable Kayak (41%) Ocean Kayak (19%) Canoe (14%)
Lake Natoma	_____	Outrigger Canoe (22%) SUP (19%) Ocean Kayak (17%) Scull or Shell Boat (17%)
San Joaquin River	_____	Scull or Shell Boat (36%) Canoe (27%) River / Inflatable Kayak (27%)
Millerton Lake	Powerboat (58%) Cabin Cruiser (10%) Pontoon Boat (10%)	_____
Bass Lake	Powerboat (60%) Bass Boat / Jon Boat (10%) Pontoon Boat (10%)	_____

¹ Motorized watercrafts include: barge, bass boat/jon boat, cabin cruiser, houseboat, inflatable with motor, pontoon boat, powerboat, PWC, rowboat with motor, sailboat (over 8 feet) with auxiliary, and others. Non-motorized watercrafts include: canoe, dory, dragon boat, inflatable kayak, kitesurfer, ocean kayak (sit on top), ocean kayak (touring), outrigger canoe, prone paddleboard, river kayak, rowboat, sailboat (under 8 feet), scull or shell boat, stand up paddleboard, surfski, whitewater raft, windsurfer, and other.

Lake McClure	Powerboat (62%) Bass Boat / Jon Boat (28%)	_____
Pine Flat Lake	Powerboat (57%) Bass Boat / Jon Boat (17%)	_____
Collins Lake	Powerboat (48%) Bass Boat / Jon Boat (26%)	_____
Lake Isabella	_____	River / Inflatable Kayak (43%) Ocean Kayak (29%) Stand Up Paddleboard (29%)
Feather River	_____	River / Inflatable Kayak (70%)
Thermalito Forebay	_____	Scull or Shell Boat (31%) Rowboat, Dinghy, Small Raft (23%)

Motorized: Total Count of Responses = 916

Non-motorized: Total Count of Responses = 332

Perceptions of Use and Level of Crowdedness

Table 34 visually represents the perceptions of use and levels of crowdedness of motorized and non-motorized watercrafts through “propeller” and “paddle” icons for each waterway in the region (listed in alphabetical order). **In sum, more icons equate to perceptions of heavier usage and crowdedness.**

In both the motorized and non-motorized boater surveys, study participants were asked to indicate their perception of boat use and crowdedness of their most frequented waterways by checking one option to the following question: *How would you describe the usage of [WATERWAY NAME] by **motorized** [and **non-motorized**] boaters?*

- Extremely heavy use / over-crowding (scored as 4)
- Heavy use / frequent crowding (scored as 3)
- Moderate use / occasional crowding (scored as 2)
- Low use / rarely crowded (scored as 1)

The answers were scored from 1 (low use) to 4 (extremely heavy use). For each waterway in the region, the motorized and non-motorized survey responses were combined for perceptions of watercrafts use. An average was calculated for both motorized and non-motorized watercrafts for each waterway (see Appendix C for all of the averages). By rounding the average to the nearest whole number, a waterway received a score of 1 – 4 where one icon represents a score of 1 (low use) and 4 icons represent a score of (extremely heavy use). For example, American River is perceived as having ‘moderate use/occasional crowding’ for motorized watercrafts (2 propellers) and ‘moderate use/occasional crowding’ for non-motorized watercrafts (2 paddles).

Table 34. Perceptions of Use/Crowdedness

Waterway	Watercrafts
American River	
Bass Lake	
Butte Creek	
Cache Creek	
Collins Lake	
East Park Reservoir	
Eastman Lake	
Feather River	
Folsom Lake	
Fresno Slough	
Hensley Lake	
Kaweah Reservoir	
Lake Buena Vista (Lake Webb)	
Lake Evans	
Lake Isabella	
Lake McClure	
Lake McSwain	
Lake Natoma	
Lake Oroville	

Waterway	Watercrafts
Lake Yosemite	
Lodi Lake	
Los Banos Creek Reservoir	
Merced River	
Millerton Lake	
Modesto Reservoir	
O'Neill Forebay	
Paradise Lake	
Pine Flat Lake	
Redinger Lake	
Sacramento River	
Sacramento-San Joaquin Delta	
San Joaquin River	
San Luis Reservoir	
Success Lake	
Thermalito Afterbay	
Thermalito Forebay	
Turlock Lake	
Woodward Reservoir	

Total Count of Responses = 1,052

Facility Needs, Issues, & Reasons for Visiting

In this section, facility needs and boating issues from the perspectives of the motorized and non-motorized boaters are summarized, along with the reasons they visit particular waterways. This section concludes with facility needs and boating issues from the perspectives of facility owners/managers and law enforcement agents who completed the surveys.

Facility Needs: Recreational Boater Perspectives

In both the motorized and non-motorized boater surveys, study participants were asked to respond to the following question for their most frequented waterways: *Please check all of the facilities and services that either need to be improved upon and/or added to [WATERWAY NAME] for **motorized** boats [and **non-motorized**] (check all that apply).*²

These findings are summarized in Table 35 for the primary waterways in this region (those listed in Table 32 and in the same order). For each waterway, the total number of reported facility needs for both motorized and non-motorized boats were generated. From those totals, percentages of the various needs were calculated. For the shared, motorized, and non-motorized needs columns, the top three or four needs reported for that waterway are included; needs with small percentages are not included. If a boating sub-population (i.e., motorized or non-motorized) did not identify a waterway as primary or indicate a need, data are not included in the cell. Please note that all of the facility need data for all waterways in this region can be found in Appendix D for motorized boaters and Appendix E for non-motorized boaters. Additional comments from all survey participants regarding facility needs can be found in Appendix F.

Table 35. Facility Needs on Primary Waterways

Primary Waterway	Shared Facility Needs	Motorized Facility Needs	Non-motorized Facility Needs
Sacramento River	Restrooms (30%) Boating Access (27%) Parking (15%)	Launch Ramps (27%) Day Docks (short-term) (15%) Fish Cleaning Stations (14%)	Launch Spots (by hand) (30%) Take-Out Spots (21%) Landings (12%) Access to Fresh Water (12%)
Folsom Lake	Boating Access (24%) Restrooms (21%) Parking (17%)	Launch Ramps (22%) Day Docks (short-term) (15%)	Launch Spots (by hand) (43%) Boat-In Campsites (19%) Boat-In Day-Use Areas (17%)
Sacramento-San Joaquin Delta	Restrooms (26%) Parking (19%) Boating Access (18%)	Launch Ramps (23%) Fish Cleaning Stations (14%) Day Docks (short-term) (13%)	Launch Spots (by hand) (28%) Boat-In Campsites (20%) Boat-In Day-Use Areas (11%) Access to Fresh Water (11%)
Lake Oroville	Boating Access (22%) Parking (17%) Restrooms (17%)	Launch Ramps (17%) Day Docks (short-term) (15%) Floating Docks/Piers (11%)	Launch Spots (by hand) (39%) Boat-In Campsites (22%) Boat-In Day-Use Areas (17%) Access to Fresh Water (17%)

² Shared facility need options include: boating access, parking, restrooms, showers, supply stores, emergency services, and navigation aids. Motorized facility needs include: boarding floats, day docks (short-term dockage), dry storage, fish cleaning stations, floating docks/piers, landings/boat-in sites, launch ramps, marinas (slips), marine service & repairs, mooring fields, pump-out stations, transient facilities/tie-ups, utilities, and other. Non-motorized facility needs include: landings, boat-in campsites, boat-in day-use areas, launch spots (by hand), access to fresh water, launch spots (by other ways e.g., trailer), take-out spots, rinse station (boats/gear), boat storage, security, personal storage, campgrounds, garbage cans, and other.

American River	Parking (28%) Restrooms (25%) Boating Access (21%)	_____	Take-Out Spots (20%) Launch Spots (by hand) (19%)
Lake Natoma	Restrooms (32%) Parking (22%) Boating Access (12%) Showers (12%)	Launch Ramps (29%)	Access to Fresh Water (23%) Launch Spots (by hand) (21%) Landings (17%)
San Joaquin River	Restrooms (30%) Boating Access (18%) Supply Stores (18%)	Launch Ramps (26%) Day Docks (short-term) (13%) Fish Cleaning Stations (13%) Marine Service & Repairs (13%)	Launch Spots (by hand) (33%) Landings (17%) Boat-In Campsites (17%) Boat-In Day-Use Areas (17%)
Millerton Lake	Restrooms (27%) Supply Stores (27%) Boating Access (20%)	Utilities (17%) Boarding Floats (12%) Day Docks (short-term) (12%) Landings/Boat-In Sites (12%)	Launch Spots (50%)
Bass Lake	Parking (30%) Boating Access (22%) Restrooms (19%)	Day Docks (short-term) (20%) Launch Ramps (15%) Fish Cleaning Stations (12%) Marinas (slips) (12%)	Boat-In Day-Use Areas (50%) Boat-In Campsites (25%) Launch Spots (by hand) (25%)
Lake McClure	Restrooms (29%) Supply Stores (22%)	Marinas (slips) (18%) Fish Cleaning Stations (14%) Floating Docks/Piers (14%) Marine Service & Repairs (14%)	Launch Spots (by hand) (50%) Access to Fresh Water (50%)
Pine Flat Lake	Parking (29%) Restrooms (29%) Boating Access (18%)	Day Docks (short-term) (19%) Launch Ramps (19%) Fish Cleaning Stations (15%)	Boat-In Campsites (25%) Boat-In Day-Use Areas (25%) Launch Spots (by hand) (25%) Access to Fresh Water (25%)
Collins Lake	Restrooms (37%) Parking (26%) Boating Access (11%) Showers (11%)	Fish Cleaning Stations (23%) Launch Ramps (19%) Day Docks (short-term) (12%)	Launch Spots (by hand) (67%) Boat-In Campsites (33%)
Lake Isabella	Restrooms (35%) Showers (19%) Boating Access (15%)	Launch Ramps (31%) Fish Cleaning Stations (25%) Floating Docks/Piers (13%) Utilities (13%)	Boat-In Campsites (38%) Access to Fresh Water (25%)
Feather River	Boating Access (33%) Restrooms (30%) Navigation Aids (19%)	Launch Ramps (35%) Fish Cleaning Stations (29%) Floating Docks/Piers (18%)	Launch Spots (by hand) (29%) Access to Fresh Water (24%)
Thermalito Forebay	Showers (25%) Emergency Services (25%)	_____	Landings (40%) Take-Out Spots (40%) Launch Spots (by hand) (20%)

Shared Facility Needs: Total Count of Responses = 1,125

Motorized Facility Needs: Total Count of Responses = 998

Non-motorized Facility Needs: Total Count of Responses = 423

Main Issues: Recreational Boater Perspectives

In both the motorized and non-motorized boater surveys, study participants were asked to respond to the following question for their most frequented waterways: *What are the biggest problems you have experienced at [WATERWAY NAME]? (Check up to three)*³

These findings are summarized in Table 36 for the primary waterways in this region (those listed in Table 32 and in the same order). For each waterway, the total number of reported issues/problems for both motorized and non-motorized boaters were generated. From those totals, percentages of the various issues were calculated. For the motorized and non-motorized issues columns, the top three or four problems reported for that waterway are included; problems with small percentages are not included. If a boating sub-population (i.e., motorized or non-motorized) did not identify a waterway as primary or indicate an issue, data are not included in the cell. Please note that all of the problems/issues data for all waterways in this region can be found in Appendix G for motorized boaters and Appendix H for non-motorized boaters.

Table 36. Issues on Primary Waterways

Primary Waterway	Motorized Boater Perspective	Non-motorized Boater Perspective
Sacramento River	Floating Debris (18%) Poor Ramp Condition (13%) Insufficient Water Depth (11%)	Have Not Experienced Any Problems (22%) Lack of Parking (13%) Issues with Motorized Boaters (13%) Lack of Law Enforcement (13%)
Folsom Lake	Insufficient Water Depth (29%) Overcrowding (20%) High Facility Use Fee (16%)	Issues with Motorized Boaters (22%) Overcrowding (17%) Floating Debris (17%)
Sacramento-San Joaquin Delta	Floating Debris (26%) Invasive Species (15%) Reckless PWC Operators (10%)	Issues with Motorized Boaters (15%) Invasive Species (14%) Reckless PWC Operators (12%) Have Not Experienced Any Problems (12%)
Lake Oroville	Have Not Experienced Any Problems (19%) Insufficient Water Depth (18%) Floating Debris (17%)	Have Not Experienced Any Problems (100%)
American River	_____	Overcrowding (20%) Have Not Experienced Any Problems (20%) Lack of Parking (11%) Difficult to Access Waterway (11%)
Lake Natoma	Have Not Experienced Any Problems (33%) Lack of Parking (17%)	Lack of Parking (20%) Overcrowding (20%) Floating Debris (18%)
San Joaquin River	Floating Debris (19%) Reckless PWC Operators (17%) Poor Water Quality (14%)	Invasive Species (23%) Lack of Law Enforcement (15%) Difficult to Access Waterway (15%)

³ Problems/issue options include: lack of parking, overcrowding, reservations required, poor ramp condition, poor water quality, poor road access, floating debris, issues with motorized boaters, reckless PWC operators, issues with non-motorized boaters, issues with shipping vessels, excessive/rude law enforcement, lack of law enforcement, invasive species, high facility use fee, insufficient water depth, difficult to access waterway, other, and I have not experienced problems at this waterway.

Millerton Lake	Overcrowding (21%) High Facility Use Fee (17%) Reckless PWC Operators (16%) Have Not Experienced Any Problems (16%)	_____
Bass Lake	Overcrowding (28%) Lack of Parking (14%)	Have Not Experienced Any Problems (100%)
Lake McClure	Insufficient Water Depth (29%) Have Not Experienced Any Problems (15%) Poor Ramp Condition (10%)	Poor Water Condition (33%) Excessive/Rude Law Enforcement (33%) Lack of Law Enforcement (33%)
Pine Flat Lake	Insufficient Water Depth (24%) Lack of Parking (18%) Floating Debris (13%)	_____
Collins Lake	High Facility Use Fee (24%) Have Not Experienced Any Problems (22%) Overcrowding (19%)	_____
Lake Isabella	Insufficient Water Depth (35%) Poor Water Quality (13%) Have Not Experienced Any Problems (13%)	Overcrowding (25%) Poor Water Quality (25%) Reckless PWC Operators (25%) Lack of Law Enforcement (25%)
Feather River	Insufficient Water Depth (25%) Poor Ramp Condition (21%) Poor Road Access (13%)	Difficult to Access Waterway (29%) Have Not Experienced Any Problems (29%)
Thermalito Forebay	Excessive/Rude Law Enforcement (50%) Have Not Experienced Any Problems (50%)	Floating Debris (36%) Poor Water Quality (18%) Excessive/Rude Law Enforcement (18%) Difficult to Access Waterway (18%)

Motorized Perspective: Total Count of Responses = 1,320

Non-motorized Perspective: Total Count of Responses = 286

Reasons for Visiting Waterways: Recreational Boater Perspectives

In both the motorized and non-motorized boater surveys, study participants were asked to respond to the following questions for their most frequented waterways: *What are the top reasons you visit [WATERWAY NAME]? (Check up to three)*⁴

These findings are summarized in Table 37 for the primary waterways in this region (those listed in Table 32 and in the same order). For each waterway, the total number of reported reasons for both motorized and non-motorized boaters were generated. From those totals, percentages of the various reasons were calculated. For the motorized and non-motorized reasons columns, the top three or four reasons reported for that waterway are included; reasons with small percentages are not included. If a boating sub-population (i.e., motorized or non-motorized) did not identify a waterway as primary or indicate a reason, data are not included in the cell.

Table 37. Reasons for Boating Primary Waterways

Primary Waterway	Motorized Boater Reasons	Non-motorized Boater Reasons
Sacramento River	Close to Home (32%) Good Fishing (27%) Scenery / Natural Beauty (15%)	Scenery / Natural Beauty (36%) Close to Home (25%)
Folsom Lake	Close to Home (46%) Large Water Area (23%) Scenery / Natural Beauty (9%)	Close to Home (43%) Scenery / Natural Beauty (30%) Warm Water (9%)
Sacramento-San Joaquin Delta	Large Water Area (27%) Close to Home (23%) Good Fishing (19%)	Scenery / Natural Beauty (27%) Close to Home (24%) No Fees (10%)
Lake Oroville	Large Water Area (25%) Close to Home (23%) Good Fishing (16%)	Close to Home (50%) Few Motorized Boats (50%)
American River	_____	Close to Home (34%) Scenery / Natural Beauty (29%) Few Motorized Boats (11%)
Lake Natoma	Close to Home (50%) Scenery / Natural Beauty (21%) Good Facilities (14%)	Close to Home (27%) Scenery / Natural Beauty (22%) Few Motorized Boats (21%)
San Joaquin River	Close to Home (25%) Large Water Area (19%) Good Fishing (17%)	Scenery / Natural Beauty (35%) Close to Home (18%) Not Crowded (12%) Few Motorized Boats (12%)
Millerton Lake	Close to Home (38%) Large Water Area (21%) Not Crowded (10%)	Close to Home (100%)
Bass Lake	Scenery / Natural Beauty (23%) Close to Vacation Home or Camp (19%) Close to Home (15%)	Close to Home (33%) Good Fishing (33%) Scenery / Natural Beauty (33%)

⁴ Reasons options include: close to home, good camping, good facilities, good fishing, close to vacation home or camp, not crowded, no fees, no restrictions, scenery, natural beauty, warm water, large water area, and other. The additional reasons emerged for the non-motorized boaters: few motorized boats, good whitewater, reliable releases, regattas, good wind, and club site.

Lake McClure	Close to Home (29%) Good Fishing (20%) Large Water Area (16%)	Close to Home (50%) Good Facilities (50%)
Pine Flat Lake	Close to Home (28%) Large Water Area (28%) Good Fishing (21%)	_____
Collins Lake	Good Fishing (35%) Close to Home (19%) Good Camping (18%)	_____
Lake Isabella	Close to Home (27%) Good Camping (17%) Good Fishing (17%)	Close to Home (33%) No Fees (33%) Scenery / Natural Beauty (33%)
Feather River	Good Fishing (33%) Close to Home (30%) No Fees (13%)	Scenery / Natural Beauty (37%) Not Crowded (21%) No Fees (21%)
Thermalito Forebay	Close to Home (17%) Good Fishing (17%) Not Crowded (17%) No Fees (17%) Warm Water (17%) Large Water Area (17%)	Scenery / Natural Beauty (29%) Good Facilities (21%) Few Motorized Boats (21%)

Motorized Reasons: Total Count of Responses = 1,491

Non-motorized Reasons: Total Count of Responses = 359

Facility Needs: Facility & Law Enforcement Perspectives

In the facility survey, facility owners/managers were asked to identify facility needs on the waterway where the facility was located. Law enforcement officers were also requested to provide similar information about the waterway(s) within their areas of responsibility. These findings are summarized in Table 38. Law enforcement responses are noted with “LE” before the comment.

Table 38. Facility Needs: Facility & Law Enforcement Surveys

Waterway	Facility and Law Enforcement Perspectives
Clear Lake	LE: facility to keep our new boat covered; more certified training to give new officer the confidence they need to enforce Boating laws; a program to removed sunken and abandoned vessels that is easy and quick to get the boat removed immediately.
Eastman Lake	Boating access, Fish cleaning stations, Launch ramps, Navigation aids (buoys, markers), Parking for vehicles / trailers, Restrooms, Showers, Access to fresh water (non-motorized) Boating access (non-motorized), Carry down paths (non-motorized), Emergency Servicess (non-motorized), Hand launch ramps (non-motorized), Launch ramps (for small trailers) (non-motorized), Navigation aids (buoys, markers) (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Take-out spots (non-motorized).
Feather River	Carry down paths (non-motorized).
Folsom Lake	Carry down paths (non-motorized).
Folsom Lake	Day docks (short-term dockage), Marine service & repairs, Transient facilities / tie-ups, Carry down paths (non-motorized), Landings (non-motorized).
Hensley Lake	Boating access, Day docks (short-term dockage), Marinas (slips), Parking for vehicles / trailers, Restrooms, Boating access (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Low water ramp extension.
Hensley Lake	Fish cleaning stations, Floating docks / piers, Marinas (slips), Marine service & repairs, Supply stores, Supply stores (non-motorized).
Kaweah Reservoir	Launch ramps (for small trailers) (non-motorized), disability accessd, Lighted lot.
Kaweah Reservoir	Boarding floats, Boating access, Fish cleaning stations, Floating docks / piers, Landings / boat-in sites, Marinas (slips), Marine service & repairs, Mooring fields, Parking for vehicles / trailers, Pump-out stations, Utilities, Carry down paths (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Take-out spots (non-motorized), Handicap access to vessels, Fishing docks.
Kaweah Reservoir	Boat Camping, Day docks (short-term dockage), Fish cleaning stations, Landings / boat-in sites, Launch ramps, Parking for vehicles / trailers, Boat-in campsites (non-motorized), Boat-in day use area (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Restrooms (non-motorized).
Kaweah Reservoir	Boat-in campsites (non-motorized).
Kaweah Reservoir	Fish cleaning stations, Landings / boat-in sites, Parking for vehicles / trailers, Boat-in campsites (non-motorized), Carry down paths (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Take-out spots (non-motorized).
Kaweah Reservoir	Fish cleaning stations, Parking for vehicles / trailers, Showers, Carry down paths (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Take-out spots (non-motorized), Disability access from the dock.

Kaweah Reservoir	Landings / boat-in sites, Landings (non-motorized).
Lake McClure	LE: More staffing, better technology.
Lake Natoma	Boating access, Mooring fields, Utilities, Landings (non-motorized).
Lodi Lake	Carry down paths (non-motorized), Hand launch ramps (non-motorized), Take-out spots (non-motorized).
Los Banos Creek Reservoir	Boarding floats, Boating access, Day docks (short-term dockage), Dry Storage, Fish cleaning stations, Floating docks / piers, Landings / boat-in sites, Launch ramps, Marinas (slips), Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Pump-out stations, Restrooms, Showers, Supply stores, Transient facilities / tie-ups, Utilities, Access to fresh water (non-motorized) Boat-in campsites (non-motorized), Boat-in day use area (non-motorized), Boating access (non-motorized), Carry down paths (non-motorized), Hand launch ramps (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized) Navigation aids (buoys, markers) (non-motorized), Parking (non-motorized), Showers (non-motorized), Supply stores (non-motorized), Take-out spots (non-motorized), Campground, Day use beach areas.
Millerton Lake	Fish cleaning stations, Pump-out stations, Restrooms.
Modesto Reservoir	Fish cleaning stations, Access to fresh water (non-motorized) Parking (non-motorized), Restrooms (non-motorized), Showers (non-motorized).
O'Neill Forebay	LE: There needs to be an additional boat launch area or the current one needs to be expanded. There are currently only two true lanes from which to launch a vessel. This may have been adequate at the inception of the reservoir but it is now the cause of traffic on shore with tow vehicles and trailers and on the water with all of the vessels launching and returning. Expansion of the Boat Ramp at the Forebay; Protected Dock for the State Rescue Vessels at the Lifeguard Headquarters, located at South Beach; Keep the forebay channel dredged so that the boat ramp at Medeiros can be utilized.
O'Neill Forebay	Boarding floats, Boating access, Day docks (short-term dockage), Fish cleaning stations, Floating docks / piers, Landings / boat-in sites, Launch ramps, Marinas (slips), Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Pump-out stations, Restrooms, Showers, Supply stores, Transient facilities / tie-ups, Utilities, Access to fresh water (non-motorized) Boat-in day use area (non-motorized), Boating access (non-motorized), Hand launch ramps (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Navigation aids (buoys, markers) (non-motorized), Parking (non-motorized) Restrooms (non-motorized), Showers (non-motorized), Supply stores (non-motorized), Take-out spots (non-motorized).
Pine Flat Lake	LE: Marina improvements. Additional parking facilities and navigation aids.
Sacramento River	Parking for vehicles / trailers, Parking (non-motorized).
Sacramento River (Northern Section)	LE: This area is a hot spot due the "tubing" activity that occurs during the summer months. I has a high population of both motor vessel operation and "tubers" floating down the river.
Sacramento-San Joaquin Delta	Boarding floats, Boating access, Day docks (short-term dockage), Landings / boat-in sites, Launch ramps, Marinas (slips), Marine service & repairs, Mooring fields, Parking for vehicles / trailers, Pump-out stations, Restrooms, Showers, Supply stores, Transient facilities / tie-ups, Utilities, Boat-in campsites (non-motorized), Carry down paths (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Take-out spots (non-motorized).

Sacramento-San Joaquin Delta	Boarding floats, Boating access, Fish cleaning stations, Floating docks / piers, Launch ramps, Navigation aids (buoys, markers), Restrooms, Showers, Transient facilities / tie-ups, Utilities.
Sacramento-San Joaquin Delta	Marine service & repairs, Restaurants.
Sacramento-San Joaquin Delta	Restrooms, Showers, Utilities, Parking (non-motorized), Take-out spots (non-motorized).
Sacramento-San Joaquin Delta-Piper Slough	Carry down paths (non-motorized).
San Joaquin River	Fish cleaning stations.
San Luis Reservoir	Boarding floats, Boating access, Day docks (short-term dockage), Fish cleaning stations, Floating docks / piers, Launch ramps, Marinas (slips), Mooring fields, Navigation aids (buoys, markers), Restrooms, Showers, Supply stores, Transient facilities / tie-ups, Utilities, Access to fresh water (non-motorized) Boat-in day use area (non-motorized), Boating access (non-motorized), Carry down paths (non-motorized), Hand launch ramps (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Navigation aids (buoys, markers) (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Showers (non-motorized), Supply stores (non-motorized), Take-out spots (non-motorized).
San Luis Reservoir	Boating access, Dry Storage, Fish cleaning stations, Floating docks / piers, Launch ramps, Navigation aids (buoys, markers), Restrooms, Showers, Transient facilities / tie-ups, Utilities, Boating access (non-motorized), Carry down paths (non-motorized), Hand launch ramps (non-motorized), Launch ramps (for small trailers) (non-motorized), Navigation aids (buoys, markers) (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Showers (non-motorized), Take-out spots (non-motorized).
Stanislaus River	Boat Camping, Boating access, Emergency Services, Landings / boat-in sites, Launch ramps, Parking for vehicles / trailers, Restrooms, Utilities, Access to fresh water (non-motorized) Boat-in campsites (non-motorized), Boat-in day use area (non-motorized), Boating access (non-motorized), Carry down paths (non-motorized), Emergency Services (non-motorized), Hand launch ramps (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Navigation aids (buoys, markers) (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Showers (non-motorized), Take-out spots (non-motorized).
Success Lake	Day docks (short-term dockage), Transient facilities / tie-ups, Utilities, Carry down paths (non-motorized), Hand launch ramps (non-motorized), Launch ramps (for small trailers) (non-motorized), Take-out spots (non-motorized).
Thermalito Afterbay	LE: Swimming area needs to be separated from launch ramp and signage needs to be updated; launch ramps.
Tuolumne River	Boat Camping, Boating access, Fish cleaning stations, Launch ramps, Parking for vehicles / trailers, Restrooms, Showers, Supply stores, Utilities, Access to fresh water (non-motorized) Boat-in campsites (non-motorized), Boat-in day use area (non-motorized), Boating access (non-motorized), Carry down paths (non-motorized), Emergency Services (non-motorized), Hand launch ramps (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Showers (non-motorized), Supply stores (non-motorized), Take-out spots (non-motorized), Recreation Center, Camping.

N = 37

Main Issues: Facility & Law Enforcement Perspectives

In the facility survey, facility owners/managers were asked to identify boating issues on the waterway where the facility was located. Law enforcement officers were also requested to provide similar information about the waterway(s) within their areas of responsibility. These findings are summarized in Table 39. Law enforcement responses are noted with “LE” before the comment.

Table 39. Issues/Problems: Facility & Law Enforcement Surveys

Waterway	Facility Owner/Manager Perspective
Bass Lake	Insufficient water depth, Lack of parking, Floating debris.
Bass Lake	No problems.
Cosumnes River	Invasive species, Lack of parking.
Eastman Lake	Poor water quality, the drought has had an impact on water quality.
Feather River	Lack of law enforcement.
Feather River	No problems.
Lake McClure	LE: Problems at Lake McClure Marina near ramp--high population, slow navigation area, tight quarters.
Lake Oroville	Insufficient water depth, Invasive species, Insufficient boating access, Poor ramp condition, Floating debris.
Sacramento River	LE: More personnel needed.
Sacramento River	Floating debris, Reckless PWC operators, Lack of law enforcement.
Sacramento River	Insufficient boating access.
Sacramento River	Insufficient water depth, Conflict w/ motorized & Non-motorized boaters.
Sacramento River	Insufficient water depth, Invasive species, Poor water quality, Floating debris, Lack of law enforcement.
Sacramento River	Lack of law enforcement, Flooding, Handicap access.
Sacramento River	Poor ramp condition, Floating debris.
Sacramento River	Poor water quality, Floating debris, Issues w/ motorized boaters, Reckless PWC operators.
Sacramento-San Joaquin Delta	Insufficient water depth, Floating debris.
Sacramento-San Joaquin Delta	Invasive species.
Sacramento-San Joaquin Delta	Invasive species.
Sacramento-San Joaquin Delta	Invasive species, Conflict w/ motorized & Non-motorized boaters, Lack of law enforcement.
Sacramento-San Joaquin Delta	Invasive species, Floating debris, Reckless PWC operators.
Sacramento-San Joaquin Delta	Invasive species, Poor ramp condition, Poor water quality.
Sacramento-San Joaquin Delta	Lack of parking, Overcrowding, Poor ramp condition, Poor road access, Floating debris.
Sacramento-San Joaquin Delta	No problems.
Sacramento-San Joaquin Delta	No problems.
Sacramento-San Joaquin Delta	Poor water quality, Floating debris, Water weeds.
San Joaquin River	Invasive species, Floating debris.
San Luis Reservoir	Insufficient water depth, Poor ramp condition, Poor water quality, Poor road access.
Thermalito Afterbay	LE: Lots of traffic, alcohol, and inexperienced operators.
Woodward Reservoir	Insufficient water depth, Lack of parking, Overcrowding, Poor ramp condition, Poor road access.

N = 30

Forecasts for Registered Recreational Motorized Boats

In this section, forecasts of registered recreational motorized boats for this region are provided. Forecasts include total number of boats, boats by propulsion type, and boats by length. The methods used in generating these forecasts are described in *Volume II: Methods*. The data used in generating these forecasts are from the DMV for 2012, 2014, and 2016.⁵ In the figures, the actual data used to generate the forecasts from the DMV are in blue, while the forecasts are in yellow. These numbers are also found in Tables 40 and 41. Regardless of propulsion or length, the overall trend illustrates a decrease in the number of registered recreational motorized boats and the forecasts reflect a continued decline in the number of recreational motorized boats over the next four years.

Figure 1. Total Number of DMV-Registered Motorized Boats

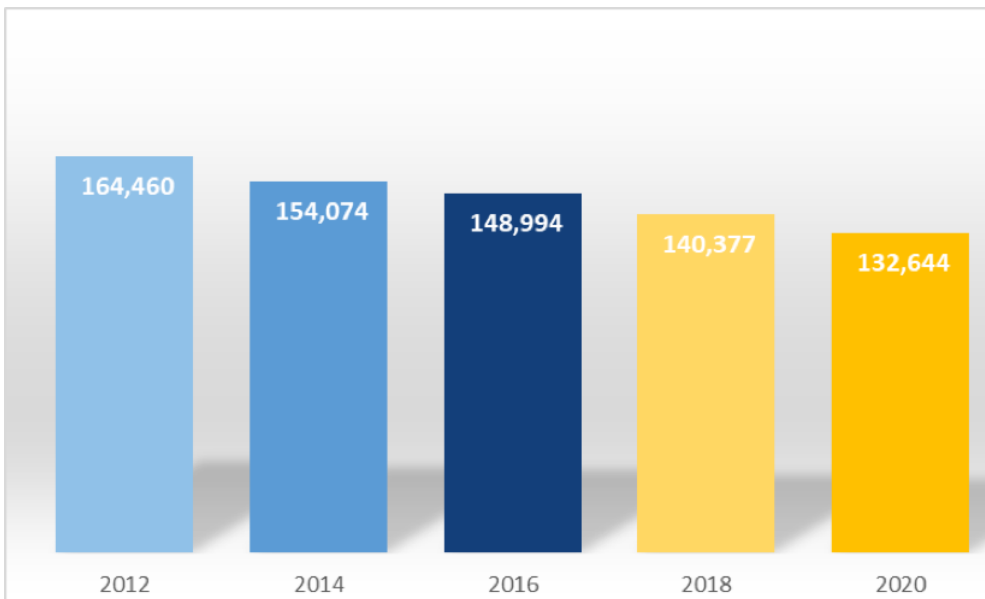
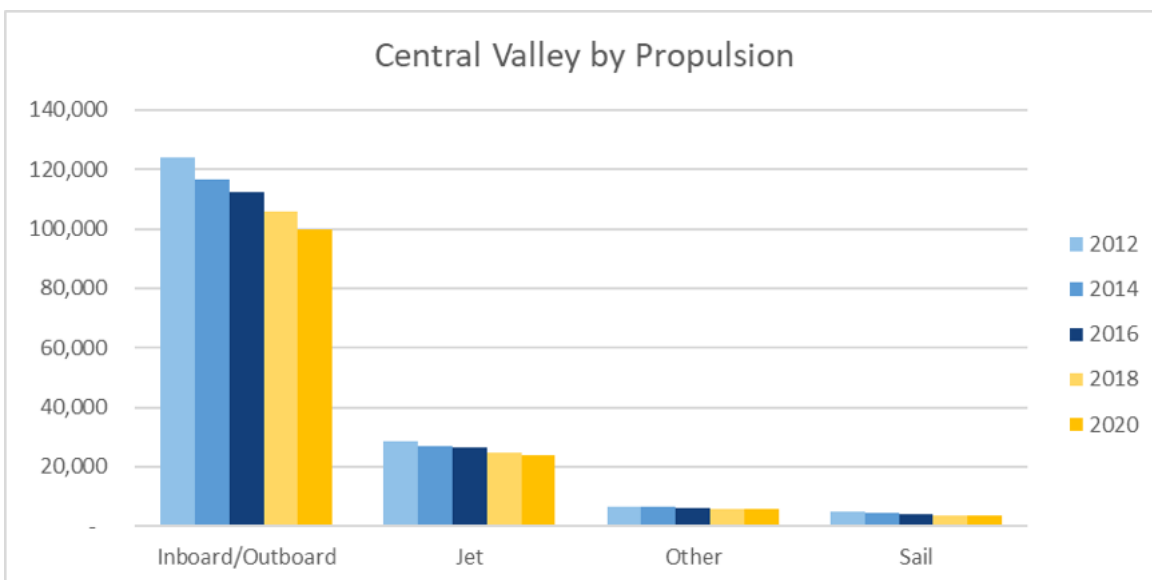


Figure 2. Motorized Boats by Propulsion Type



⁵ Please note that the USCG data are not included in these analyses, because the USCG could not provide the data. Historically, approximately 3.5% of the total number of boats registered in the state of California are registered with the DMV.

Table 40. Motorized Boat by Propulsion (Figure 2)

Propulsion Type	2012	2014	2016	2018	2020
Inboard/ Outboard	124,120	116,426	112,297	105,791	99,880
Jet	28,689	26,803	26,326	24,910	23,728
Other	6,803	6,384	6,235	5,906	5,622
Sail	4,848	4,461	4,132	3,764	3,406
TOTAL	164,460	154,074	148,994	140,377	132,644

Actual Values: 2012, 2014, 2016

Forecasted Values: 2018, 2020

Figure 3. Motorized Boats by Length (Less than 26 feet)

Figure 4. Motorized Boats by Length (Greater than or equal to 26 feet)

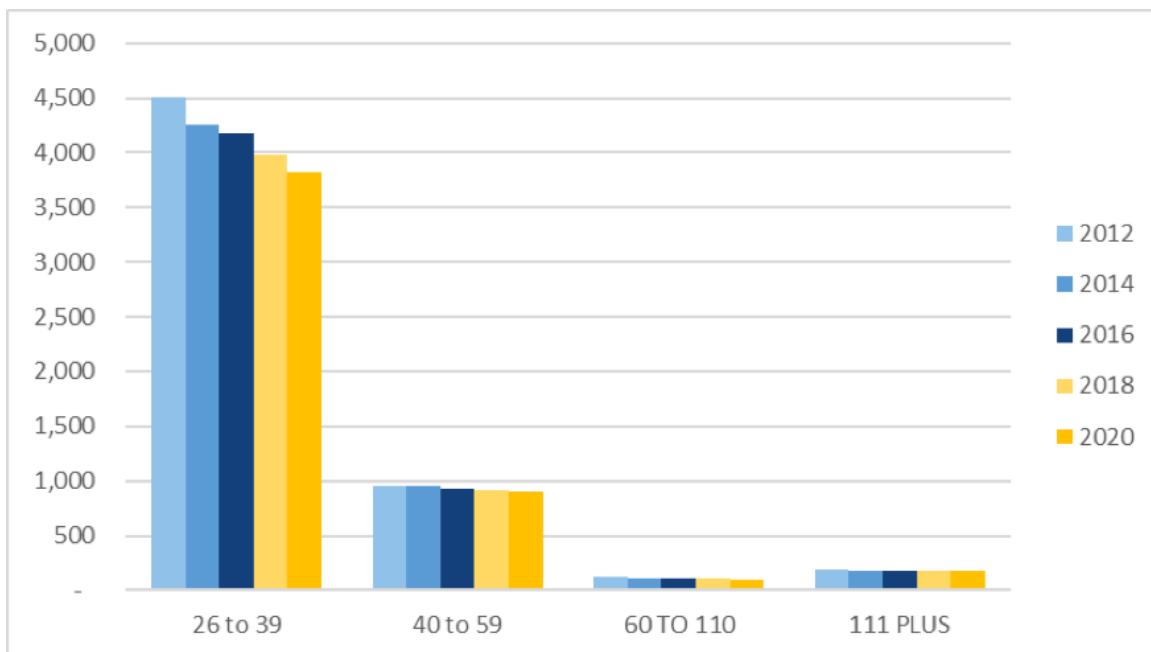
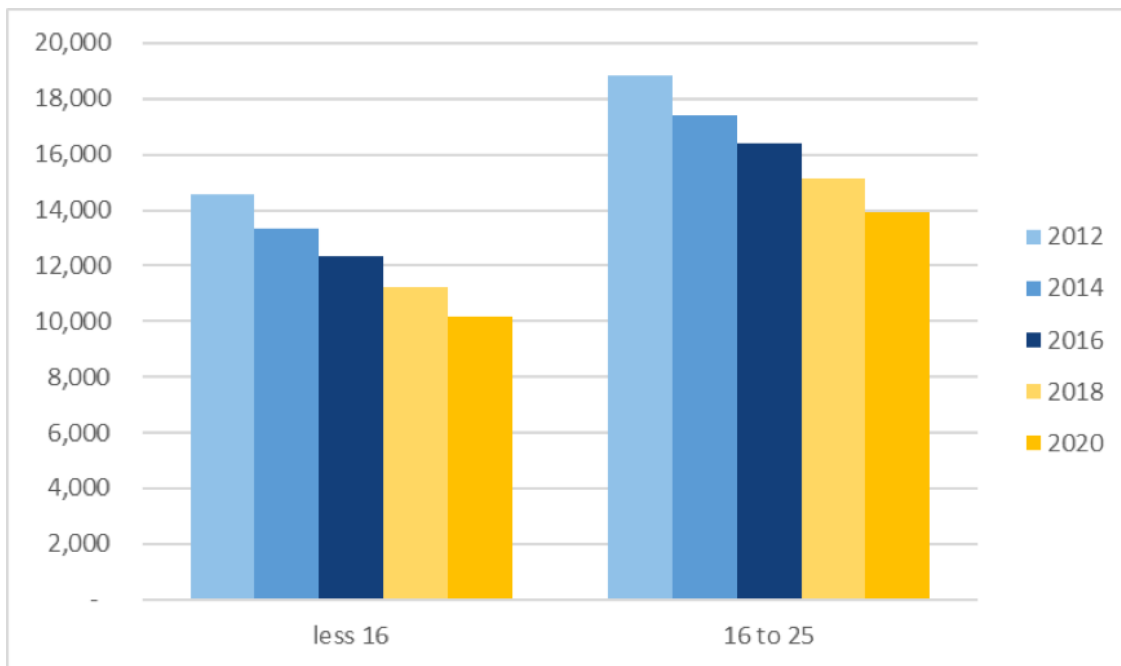


Table 41. Motorized Boat by Length (Figures 3 and 4)

Length in Feet	2012	2014	2016	2018	2020
less than 16	72,689	67,082	64,081	59,343	55,039
16 to 25	85,984	81,484	79,508	75,849	72,611
26 to 39	4,508	4,251	4,177	3,981	3,815
40 to 59	962	962	932	922	907
60 to 110	127	116	113	105	98
111 or more	190	179	183	177	174
TOTAL	164,460	154,074	148,994	140,377	132,644

Actual Values: 2012, 2014, 2016

Forecasted Values: 2018, 2020

In *Volume II: Methods*, a description of the boating facility database is provided. Table 42 summarizes the total counts of the different facility types in this region.¹ Facilities are also listed by waterways in Appendix I.

Study participants for the motorized and non-motorized boater surveys were asked where they launch their boats, and these findings are presented in Appendix J.

Table 42. Existing Boating Facilities & Access

Facility Type	Number in Region
Boat Launch	154
Dry Storage	41
Marina	67
Mooring Field	11
Aquatic Center/BISC	2
Boating Access	84
Fuel Dock	2
Landing/Boat-In Sites	4
Marine Services/Repair	1
SSR Facility	6
Yacht Club	21

Total Count = 393



¹ As discussed in *Volume II: Methods*, not all facilities and boating access points are captured in this database. In the recommendations section of *Volume III: Statewide*, the research team recommends DBW be responsible for updating the database on an ongoing basis.

Appendices

Appendix A. Preferred Waterway Reported by Motorized Boaters

Waterway	Motorized Count
Bass Lake	30
Brite Valley Lake	1
Butte Creek	2
Collins Lake	27
East Park Reservoir	3
Eastman Lake	4
Feather River	15
Folsom Lake	181
Fresno Slough	1
Hensley Lake	11
Kaweah Reservoir	10
Lake Buena Vista (Lake Webb)	9
Lake Evans	9
Lake Isabella	15
Lake McClure	29
Lake McSwain	9
Lake Natoma	9
Lake Oroville	91
Lake Woollomes	2
Lake Yosemite	3
Lodi Lake	2
Los Banos Creek Reservoir	7
Millerton Lake	40
Modesto Reservoir	7
O'Neill Forebay	8
Pine Flat Lake	30
Redinger Lake	2
Sacramento River	180
Sacramento-San Joaquin Delta	99
San Joaquin River	24
San Luis Reservoir	16
Success Lake	15
Thermalito Forebay	3
Turlock Lake	8
Woodward Reservoir	14

Appendix B. Preferred Waterway Reported by Non-motorized Boaters

Waterway	Non-motorized Count
American River	76
Avocado Lake	1
Bass Lake	2
Butte Creek	4
Cache Creek	9
Feather River	10
Folsom Lake	19
Hensley Lake	2
Lake Buena Vista (Lake Webb)	1
Lake Isabella	8
Lake McClure	1
Lake McSwain	2
Lake Natoma	65
Lake Oroville	8
Lodi Lake	5
Los Banos Creek Reservoir	1
Merced River	1
Millerton Lake	3
Modesto Reservoir	2
O'Neill Forebay	2
Paradise Lake	5
Redinger Lake	1
Sacramento River	34
Sacramento-San Joaquin Delta	57
San Joaquin River	9
Thermalito Afterbay	2
Thermalito Diversion Pool	1
Thermalito Forebay	11
Woodward Reservoir	1

Appendix C. Perceptions of Use Level / Crowdedness

Waterway	Motorized Watercrafts	Non-motorized Watercrafts
American River	1.57	2.41
Bass Lake	2.44	1.61
Brite Valley Lake	—	—
Butte Creek	1.00	1.25
Cache Creek	1.00	1.86
Collins Lake	2.19	1.50
East Park Reservoir	1.00	1.00
Eastman Lake	1.67	1.25
Feather River	1.79	1.06
Folsom Lake	2.64	1.55
Fresno Slough	—	2.00
Hensley Lake	1.83	1.67
Kaweah Reservoir	2.33	1.63
Lake Buena Vista (Lake Webb)	2.38	1.33
Lake Evans	3.00	1.75
Lake Isabella	1.79	1.73
Lake McClure	1.96	1.17
Lake McSwain	1.67	1.25
Lake Natoma	1.10	2.23
Lake Oroville	2.02	1.17
Lake Woollomes	—	—
Lake Yosemite	3.33	1.67
Lodi Lake	2.17	2.17
Los Banos Creek Reservoir	2.00	1.40
Merced River	—	2.00
Millerton Lake	2.34	1.31
Modesto Reservoir	2.63	1.50
O'Neill Forebay	2.14	1.57
Paradise Lake	2.00	1.50
Pine Flat Lake	2.04	1.15
Redinger Lake	1.00	1.00
Sacramento River	2.05	1.27
Sacramento-San Joaquin Delta	2.10	1.44
San Joaquin River	1.78	1.23
San Luis Reservoir	1.29	1.00
Success Lake	1.69	1.40
Thermalito Afterbay	1.50	1.00
Thermalito Diversion Pool	—	—
Thermalito Forebay	1.40	2.10
Turlock Lake	1.83	1.67
Woodward Reservoir	2.80	2.00

Total Count of Responses = 1052

(1 = not crowded, 4 = extremely crowded)

Appendix D. Facility Needs Reported by Motorized Boaters

Appendix D. Boating Access (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	6	20.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	2	7.4%
East Park Reservoir	3	1	33.3%
Eastman Lake	4	0	0.0%
Feather River	15	5	33.3%
Folsom Lake	181	32	17.7%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	2	20.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	4	44.4%
Lake Isabella	15	3	20.0%
Lake McClure	29	2	6.9%
Lake McSwain	9	1	11.1%
Lake Natoma	11	3	27.3%
Lake Oroville	91	12	13.2%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	1	33.3%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	2	28.6%
Millerton Lake	40	4	10.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	4	13.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	58	32.2%
Sacramento-San Joaquin Delta	99	23	23.2%
San Joaquin River	24	4	16.7%
San Luis Reservoir	16	1	6.3%
Success Lake	15	3	20.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	0	0.0%

Appendix D. Boarding Floats (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	2	7.4%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	1	6.7%
Folsom Lake	181	19	10.5%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	1	6.7%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	8	8.8%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	5	12.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	2	6.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	14	7.8%
Sacramento-San Joaquin Delta	99	2	2.0%
San Joaquin River	24	0	0.0%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix D. Day Docks (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	8	26.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	3	11.1%
East Park Reservoir	3	1	33.3%
Eastman Lake	4	1	25.0%
Feather River	15	1	6.7%
Folsom Lake	181	36	19.9%
Fresno Slough	1	0	0.0%
Hensley Lake	11	1	9.1%
Kaweah Reservoir	10	4	40.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	1	11.1%
Lake Isabella	15	1	6.7%
Lake McClure	29	2	6.9%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	13	14.3%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	5	12.5%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	9	30.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	43	23.9%
Sacramento-San Joaquin Delta	99	17	17.2%
San Joaquin River	24	3	12.5%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	2	14.3%

Appendix D. Dry Storage (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	6	3.3%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	1	11.1%
Lake Isabella	15	0	0.0%
Lake McClure	29	0	0.0%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	0	0.0%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	3	7.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	1	3.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	1	0.6%
Sacramento-San Joaquin Delta	99	4	4.0%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix D. Fish Cleaning Stations (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	5	16.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	6	22.2%
East Park Reservoir	3	1	33.3%
Eastman Lake	4	1	25.0%
Feather River	15	5	33.3%
Folsom Lake	181	22	12.2%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	2	22.2%
Lake Isabella	15	4	26.7%
Lake McClure	29	4	13.8%
Lake McSwain	9	1	11.1%
Lake Natoma	11	1	9.1%
Lake Oroville	91	5	5.5%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	7	23.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	41	22.8%
Sacramento-San Joaquin Delta	99	19	19.2%
San Joaquin River	24	3	12.5%
San Luis Reservoir	16	3	18.8%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	2	25.0%
Woodward Reservoir	14	1	7.1%

Appendix D. Floating Docks/Piers (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	3	20.0%
Folsom Lake	181	25	13.8%
Fresno Slough	1	1	100.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	3	30.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	2	22.2%
Lake Isabella	15	2	13.3%
Lake McClure	29	4	13.8%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	10	11.0%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	3	7.5%
Modesto Reservoir	7	2	28.6%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	3	10.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	27	15.0%
Sacramento-San Joaquin Delta	99	7	7.1%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	1	7.1%

Appendix D. Landings/Boat-in Sites (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	3	10.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	1	25.0%
Feather River	15	1	6.7%
Folsom Lake	181	24	13.3%
Fresno Slough	1	0	0.0%
Hensley Lake	11	1	9.1%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	3	33.3%
Lake Isabella	15	0	0.0%
Lake McClure	29	3	10.3%
Lake McSwain	9	1	11.1%
Lake Natoma	11	1	9.1%
Lake Oroville	91	6	6.6%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	5	12.5%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	5	16.7%
Redinger Lake	3	1	33.3%
Sacramento River	180	18	10.0%
Sacramento-San Joaquin Delta	99	9	9.1%
San Joaquin River	24	2	8.3%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	2	14.3%

Appendix D. Launch Ramp (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	6	20.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	5	18.5%
East Park Reservoir	3	2	66.7%
Eastman Lake	4	0	0.0%
Feather River	15	6	40.0%
Folsom Lake	181	52	28.7%
Fresno Slough	1	1	100.0%
Hensley Lake	11	1	9.1%
Kaweah Reservoir	10	3	30.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	4	44.4%
Lake Isabella	15	5	33.3%
Lake McClure	29	2	6.9%
Lake McSwain	9	1	11.1%
Lake Natoma	11	2	18.2%
Lake Oroville	91	15	16.5%
Lake Webb	2	1	50.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	1	33.3%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	3	42.9%
Millerton Lake	40	4	10.0%
Modesto Reservoir	7	2	28.6%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	9	30.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	80	44.4%
Sacramento-San Joaquin Delta	99	31	31.3%
San Joaquin River	24	6	25.0%
San Luis Reservoir	16	1	6.3%
Success Lake	15	2	13.3%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix D. Marina (slips) (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	5	16.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	1	25.0%
Feather River	15	0	0.0%
Folsom Lake	181	23	12.7%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	3	33.3%
Lake Isabella	15	1	6.7%
Lake McClure	29	5	17.2%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	7	7.7%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	1	33.3%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	3	7.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	3	10.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	17	9.4%
Sacramento-San Joaquin Delta	99	8	8.1%
San Joaquin River	24	2	8.3%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	2	14.3%

Appendix D. Marine Service & repairs (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	2	7.4%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	6	3.3%
Fresno Slough	1	0	0.0%
Hensley Lake	11	1	9.1%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	4	13.8%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	4	4.4%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	2	5.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	1	3.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	14	7.8%
Sacramento-San Joaquin Delta	99	9	9.1%
San Joaquin River	24	3	12.5%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	0	0.0%

Appendix D. Mooring Fields (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	6	3.3%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	0	0.0%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	2	2.2%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	6	3.3%
Sacramento-San Joaquin Delta	99	2	2.0%
San Joaquin River	24	0	0.0%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	0	0.0%

Appendix D. Navigational Aids (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	1	3.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	3	20.0%
Folsom Lake	181	18	9.9%
Fresno Slough	1	0	0.0%
Hensley Lake	11	1	9.1%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	2	13.3%
Lake McClure	29	4	13.8%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	6	6.6%
Lake Webb	2	1	50.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	1	50.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	1	3.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	20	11.1%
Sacramento-San Joaquin Delta	99	12	12.1%
San Joaquin River	24	4	16.7%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix D. Parking Vehicles / Trailers (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	7	23.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	1	50.0%
Collins Lake	27	5	18.5%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	1	6.7%
Folsom Lake	181	21	11.6%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	3	30.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	2	13.3%
Lake McClure	29	4	13.8%
Lake McSwain	9	1	11.1%
Lake Natoma	11	1	9.1%
Lake Oroville	91	9	9.9%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	6	20.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	29	16.1%
Sacramento-San Joaquin Delta	99	20	20.2%
San Joaquin River	24	3	12.5%
San Luis Reservoir	16	0	0.0%
Success Lake	15	2	13.3%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	1	7.1%

Appendix D. Pump-Out Stations (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	5	2.8%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	2	6.9%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	7	7.7%
Lake Webb	2	1	50.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	11	6.1%
Sacramento-San Joaquin Delta	99	9	9.1%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix D. Restrooms (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	4	13.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	7	25.9%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	2	50.0%
Feather River	15	5	33.3%
Folsom Lake	181	39	21.5%
Fresno Slough	1	1	100.0%
Hensley Lake	11	2	18.2%
Kaweah Reservoir	10	2	20.0%
Lake Buena Vista	7	2	28.6%
Lake Evans	9	2	22.2%
Lake Isabella	15	7	46.7%
Lake McClure	29	12	41.4%
Lake McSwain	9	1	11.1%
Lake Natoma	11	2	18.2%
Lake Oroville	91	11	12.1%
Lake Webb	2	1	50.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	2	66.7%
Lodi Lake	2	1	50.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	8	20.0%
Modesto Reservoir	7	3	42.9%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	8	26.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	68	37.8%
Sacramento-San Joaquin Delta	99	41	41.4%
San Joaquin River	24	8	33.3%
San Luis Reservoir	16	2	12.5%
Success Lake	15	7	46.7%
Thermalito Forebay	3	2	66.7%
Turlock Lake	8	2	25.0%
Woodward Reservoir	14	4	28.6%

Appendix D. Showers (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	1	3.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	2	7.4%
East Park Reservoir	3	1	33.3%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	13	7.2%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	2	22.2%
Lake Isabella	15	4	26.7%
Lake McClure	29	5	17.2%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	10	11.0%
Lake Webb	2	1	50.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	3	7.5%
Modesto Reservoir	7	2	28.6%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	2	6.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	10	5.6%
Sacramento-San Joaquin Delta	99	11	11.1%
San Joaquin River	24	2	8.3%
San Luis Reservoir	16	1	6.3%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	2	25.0%
Woodward Reservoir	14	3	21.4%

Appendix D. Supply Stores (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	28	15.5%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	3	33.3%
Lake Isabella	15	1	6.7%
Lake McClure	29	9	31.0%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	8	8.8%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	1	33.3%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	8	20.0%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	3	37.5%
Pine Flat Lake	30	3	10.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	26	14.4%
Sacramento-San Joaquin Delta	99	20	20.2%
San Joaquin River	24	6	25.0%
San Luis Reservoir	16	1	6.3%
Success Lake	15	4	26.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	4	28.6%

Appendix D. Transient Facilities / Tie-ups (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	1	3.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	11	6.1%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	0	0.0%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	4	4.4%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	2	6.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	12	6.7%
Sacramento-San Joaquin Delta	99	9	9.1%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	1	6.3%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix D. Utilities (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	1	3.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	2	7.4%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	6	3.3%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	2	13.3%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	6	6.6%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	7	17.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	2	25.0%
Pine Flat Lake	30	5	16.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	7	3.9%
Sacramento-San Joaquin Delta	99	7	7.1%
San Joaquin River	24	0	0.0%
San Luis Reservoir	16	2	12.5%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	0	0.0%

Appendix D. Emergency Services (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	1	6.7%
Folsom Lake	181	6	3.3%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	1	3.4%
Lake McSwain	9	1	11.1%
Lake Natoma	11	0	0.0%
Lake Oroville	91	2	2.2%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	1	33.3%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	0	0.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	1	3.3%
Redinger Lake	3	1	33.3%
Sacramento River	180	7	3.9%
Sacramento-San Joaquin Delta	99	10	10.1%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	1	6.3%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix E. Facility Needs Reported by Non-motorized Boaters

Appendix E. Boating Access (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	14	18.4%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	1	25.0%
Cache Creek	9	2	22.2%
Feather River	10	2	20.0%
Folsom Lake	19	2	10.5%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	1	50.0%
Lake Natoma	65	7	10.8%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	3	60.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	2	40.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	5	14.7%
Sacramento-San Joaquin Delta	42	11	26.2%
Delta-Deep Water Channel	15	2	13.3%
San Joaquin River	9	2	22.2%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	2	18.2%
Woodward Reservoir	1	0	0.0%

Appendix E. Boat-in Campsites (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	9	11.8%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	2	20.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	0	0.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	5	7.7%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	1	100.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	2	5.9%
Sacramento-San Joaquin Delta	42	11	26.2%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Parking (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	19	25.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	2	22.2%
Feather River	10	1	10.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	1	50.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	1	50.0%
Lake Natoma	65	16	24.6%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	2	40.0%
Los Banos Creek Reservoir	1	1	100.0%
Merced River-Mariposa, Merced	1	1	100.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	2	40.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	4	11.8%
Sacramento-San Joaquin Delta	42	8	19.0%
Delta-Deep Water Channel	15	8	53.3%
San Joaquin River	9	2	22.2%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Launch Spots -by Other Means (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	5	6.6%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	5	7.7%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	1	100.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	1	33.3%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	1	20.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	2	5.9%
Sacramento-San Joaquin Delta	42	8	19.0%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Access to Fresh Water (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	9	11.8%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	2	22.2%
Feather River	10	3	30.0%
Folsom Lake	19	2	10.5%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	14	21.5%
Lake Oroville	8	1	12.5%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	1	50.0%
Paradise Lake	5	2	40.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	2	5.9%
Sacramento-San Joaquin Delta	42	6	14.3%
Delta-Deep Water Channel	15	2	13.3%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Restrooms (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	17	22.4%
Avocado Lake	1	0	0.0%
Bass Lake	2	1	50.0%
Butte Creek	4	2	50.0%
Cache Creek	9	6	66.7%
Feather River	10	3	30.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	1	50.0%
Lake Isabella	8	2	25.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	22	33.8%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	1	100.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	1	100.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	1	50.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	1	20.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	5	14.7%
Sacramento-San Joaquin Delta	42	12	28.6%
Delta-Deep Water Channel	15	7	46.7%
San Joaquin River	9	4	44.4%
Thermalito Afterbay	2	1	50.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Supply Stores (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	1	1.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	0	0.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	3	4.6%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	6	14.3%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	2	18.2%
Woodward Reservoir	1	0	0.0%

Appendix E. Rinse Station-Boats/Gear (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	0	0.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	0	0.0%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Security (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	6	7.9%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	1	11.1%
Feather River	10	1	10.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	5	7.7%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	1	50.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	1	2.4%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Campgrounds (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	0	0.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	0	0.0%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Landings (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	9	11.8%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	1	11.1%
Feather River	10	1	10.0%
Folsom Lake	19	2	10.5%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	1	50.0%
Lake Natoma	65	11	16.9%
Lake Oroville	8	1	12.5%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	2	40.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	2	40.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	4	11.8%
Sacramento-San Joaquin Delta	42	9	21.4%
Delta-Deep Water Channel	15	3	20.0%
San Joaquin River	9	2	22.2%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	2	18.2%
Woodward Reservoir	1	0	0.0%

Appendix E. Boat-in Day-use Areas (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	9	11.8%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	1	10.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	0	0.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	0	0.0%
Lake McSwain	2	1	50.0%
Lake Natoma	65	3	4.6%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	1	100.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	8	19.0%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Launch Spots -by Hand (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	15	19.7%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	2	22.2%
Feather River	10	3	30.0%
Folsom Lake	19	4	21.1%
Hensley Lake	2	1	50.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	1	50.0%
Lake Natoma	65	13	20.0%
Lake Oroville	8	1	12.5%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	4	80.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	1	20.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	5	14.7%
Sacramento-San Joaquin Delta	42	15	35.7%
Delta-Deep Water Channel	15	4	26.7%
San Joaquin River	9	3	33.3%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	1	9.1%
Woodward Reservoir	1	0	0.0%

Appendix E. Navigation Aids (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	3	3.9%
Avocado Lake	1	0	0.0%
Bass Lake	2	1	50.0%
Butte Creek	4	0	0.0%
Cache Creek	9	1	11.1%
Feather River	10	2	20.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	6	9.2%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	1	2.9%
Sacramento-San Joaquin Delta	42	4	9.5%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Take-out Spots (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	16	21.1%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	1	25.0%
Cache Creek	9	3	33.3%
Feather River	10	2	20.0%
Folsom Lake	19	3	15.8%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	6	9.2%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	1	100.0%
Lodi Lake	5	2	40.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	1	20.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	7	20.6%
Sacramento-San Joaquin Delta	42	6	14.3%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	2	18.2%
Woodward Reservoir	1	0	0.0%

Appendix E. Showers (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	6	7.9%
Avocado Lake	1	0	0.0%
Bass Lake	2	1	50.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	1	50.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	8	12.3%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	1	100.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	1	33.3%
Modesto Reservoir	2	1	50.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	1	2.9%
Sacramento-San Joaquin Delta	42	6	14.3%
Delta-Deep Water Channel	15	2	13.3%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	3	27.3%
Woodward Reservoir	1	0	0.0%

Appendix E. Emergency Services (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	4	5.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	1	11.1%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	2	3.1%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	2	4.8%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	2	22.2%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Boat Storage (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	2	2.6%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	2	3.1%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	2	4.8%
Delta-Deep Water Channel	15	2	13.3%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Personal Storage (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	0	0.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	0	0.0%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix E. Garbage Cans (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
American River	76	0	0.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	0	0.0%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix F. Facility-related Comments from Survey Participants

Appendix F: Facility-related Comments from Survey Participants

Waterway	Facility-related Comments
American River	Access to fresh water: Not really a big problem.
American River	Better policing of loose dogs, littering and illegal campsites
American River	Boat-in campsites: Generally facilities are fine. Not a lot of boat in campsites for canoes/kayaks, though.
American River	Boat-in campsites: I love boat-in camping!
American River	Boat-in day-use areas: Currently there is basically just one (HLP) on C to G, one on Gorge run.
American River	Boat-in day-use areas: there are a lot of areas that are unusable due to over growth and would be nice if they are managed.
American River	Boating access: need a location that is vegetation free and no rocks...something like a beach.
American River	Emergency services: Safety, we need our cars to be safe from vandals.
American River	Emergency services: There are no emergency communications to 911 incase of an in park or on water emergency. The facility really relies of the publics cell phones.
American River	Launch spots (by hand): Need have places to get on the water.
American River	Launch spots (by hand): pay to park in a park but don't use facilities ,only parking.
American River	Launch spots (by hand): Promote the 'green' boating use.
American River	Other: I would like access to different parts of the river.
American River	Parking: Boat trailers take up all the parking.
American River	Parking: Difficult to access river due to traffic congestion.
American River	Parking: necessary to transport boats to water.
American River	Parking: Parking is limited.
American River	Parking: Sacramento County discriminates against non-motorized boaters by charging a launch fee for no services. The same place fishermen wade in the river are the same places we wade to launch our boats. No other parkway user has to pay an extra fee for non-motorized boats.
American River	Parking: There is no free parking.
American River	Parking: There is parking already available along the American River, however it can get crowded and I think better and safer (to reduce break ins) parking would encourage people to pay the day use fees.
American River	Parking: vehicle security due to break ins. As a white water kayaker, we leave a car unattended in remote parking lots like greenwood.
American River	Parking: When kayaking, vehicles are needed for put-in and also for take-out. It is safer to have specific parking areas at put-ins and take-outs than trying to park along side roads, etc.
American River	Restrooms are used by homeless drug addicts, some of which leave a ton of litter including needles.
American River	Restrooms on the American River because of the homeless and wake boarder boaters who defecate along the shoreline. It's a disgusting mess!
American River	Restrooms: environmental protection.
American River	Restrooms: More restrooms.
American River	Security: cars gets broken into frequently.
American River	Security: Some members have experienced vehicle break ins while boating.

American River	Showers: water irritates my skin.
American River	Take-out spots: I take out at Gaety park, where Eppies ends, it's a long way from parking area to river. A road to the river to pick up boats would be nice. no parking, just drop off and pick up.
American River	Take-out spots: It can be many miles between take out spots along all local rivers.
American River	Take-out spots: It's a long way to carry the boat at RiverBend Park from the river up to the parking lot. Closer parking during the summer would be nice.
American River	Take-out spots: river rafts are the most convenient means for a day trip that can be segmented and divided into smaller or longer durations.
American River	Take-out spots: Sutter's Landing doesn't have a good trail.
Bass Lake	Boat in sites to use for day use when there are large groups with the boat.
Bass Lake	Launch facilities. Lake can get very crowded and launch ramp gets backed up.
Bass Lake	Launch Ramps. There is only one public launch ramp on the lake and the parking is limited during the summer months.
Bass Lake	Regular boat launch is too expensive for kayak usage.
Bass Lake	Showers: There are non except one private overpriced place.
Bass Lake	SLIPS AND MOORINGS. NO PLACE TO PUT A BOAT ON THE WATER AND LEAVE IT THERE.
Butte Creek	Access. Currently limited to PG&E facility and private takeout.
Butte Creek	Boating access: Access could go away and the river would be effectively closed.
Butte Creek	Restrooms: There is no outhouse or other restroom at the put in.
Cache Creek	Access to fresh water: Carrying sufficient fresh water is more important that a cleaner pit-toilet.
Cache Creek	Boating access: Property owners along the river try to close off access to prevent boaters from entering the river.
Cache Creek	Navigation aids (buoys, trail markers): Mark the low water bridge consistently.
Cache Creek	Parking: Parking at Bear Creek put-in is limited and somewhat dangerous to access if there are many events going on (e.g. a bike race + a lot of people driving).
Cache Creek	Parking: Security and safety.
Cache Creek	Restrooms: restroom facilities are lacking badly at the Haswell Boy Scout camp that's a classic take out for whitewater kayakers.
Collins Lake	Bathrooms.....the port a pottys are awful.
Collins Lake	Boarding floats are needed while parking trailer when launch ramp is busy.
Collins Lake	Cell phone service. if there is an emergency on the water there is no way to get a call out to help.
Collins Lake	Fish cleaning stations....fishing is a major draw at Collins and there is only one fish cleaning station in the the entire area.
Collins Lake	I prefer keep my boat close to my campsite, we were informed of people looking around our campsite when we returned from a boat trip at dusk.
Collins Lake	Launch ramp- it can be very crowded at the beginning of the day and again at the end of the day.
Collins Lake	launch ramps, bathrooms.
Collins Lake	License boat operators...Require all operators to be MOCC.
Collins Lake	Parking because at high season, there are few parking spots.
Delta-Deep Water Channel	Boating access: Sculling requires low docks. There aren't enough of them to accommodate users.

Delta-Deep Water Channel	Landings: very few docks are for rowing boats.
Delta-Deep Water Channel	Launch spots (by hand): Many hand launch spots along this waterway are on inaccessible private agricultural lands. Much of the shoreline is levy berms not suitable for launching.
Delta-Deep Water Channel	Parking: Not enough, frequently sold out, frequently flooded by tides.
Delta-Deep Water Channel	Parking: The city says that they will increase the fees. It's so hard to pay the fees already. If I park outside the park, cars get broken into.
Delta-Deep Water Channel	Restrooms: Clean bathroom with toilet supplies.
Delta-Deep Water Channel	Restrooms: No shit!
Delta-Deep Water Channel	Restrooms: that or parking.
Delta-Deep Water Channel	Restrooms: There are no restrooms
East Park Reservoir	This is a reservoir with no facilities other than dirt launch areas and out houses. There are gravel/dirt roads. Camping is permitted and is subject to overnight fees. There is a day use fee of \$7. An annual pass is \$100.
Eastman Lake	Boat in day use. Nice to get out of boat and/or set up family gatherings.
Feather River	Access to fresh water: Break ins.
Feather River	Boating access: nothing else matters if not accessible.
Feather River	Restrooms: Facilities at fish hatchery and riverbend park have been non-functional lately.
Feather River	Restrooms: the most popular 20 mile stretch (Hatchery to Gridly) only one pit toilet.
Feather River	Take-out spots: could make trip shorter.
Feather River-Butte, Sutter, Yuba	Logs need to be pulled from this river seasonally.
Feather River-Butte, Sutter, Yuba	More paved boat launch ramps & Paved access roads to them.
Feather River-Butte, Sutter, Yuba	Parking is at your own risk.
Feather River-Butte, Sutter, Yuba	Parking. Because during fishing season the most popular boat ramps and parking is overflowing.
Feather River-Butte, Sutter, Yuba	There are only a few places to launch and they are all near each other.
Folsom Lake	Add wet slips to other parts of the lake. Day use people who tow their boats have long lines on the weekends.
Folsom Lake	Better launch for low water levels.
Folsom Lake	Better monitoring of launch ramps is needed where people park their boats and leave to go get tow vehicle, all while many others wait. Would be better to educate people on dropping the driver off at the dock then backing out of the way for others who's to.
Folsom Lake	Boarding floats. They're important for loading gear and people but are often left in less than ideal position-not in the water far enough to be useful. Not the floats fault it's not adjusted on a regular basis.
Folsom Lake	Boat access can be very slow and frustrating.
Folsom Lake	Boat camping there is not much area to camp like Bullard bar.
Folsom Lake	Boat Ramps long wait time.
Folsom Lake	Boat ramps On Folsom Lake with such vary water levels the lower water ramps get smaller and more crowded.

Folsom Lake	Boat repairs. There have been a number of instances where boats breakdown and there are no immediate on lake services to aid or repair. Good Samaritan tows is all you can expect. This could be dangerous if a boat fails late in the day.
Folsom Lake	Boat-in day-use areas: Recreation.
Folsom Lake	Boating access (i.e. water management) Keep the water in the lake! Need to work with Fed's on this.
Folsom Lake	Boating safety decreases as lake level drops. need to mark underwater obstructions better.
Folsom Lake	Camp grounds fill to fast and no "on" board overnight camping is allowed.
Folsom Lake	Cell phone signal is poor at launch area, but good on lake.
Folsom Lake	Day use is at times very crowded.
Folsom Lake	Ease of launching boats and other watercraft. Typically, the launch areas are not large enough to support the number of boats to be launched. Long delays are common. Parallel docks (and more of them) would be helpful.
Folsom Lake	Expanded launching docks to alleviate ramp crowding. Too often the launching docks are full waiting for users to park launching vehicles.
Folsom Lake	Extending marina availability for water level less than 412 feet because of the tendency for the state to drop the Folsom lake level by mid summer. Same is true for the 5 mph speed limit that is imposed at 400 ft.
Folsom Lake	Fish cleaning station. clean in lake or on shore . throw in trash cans.
Folsom Lake	Floating docks adjacent to ramps to free up launch ramp/lanes/docks for solo boaters. Browns/Hobie ramp used to have short term mooring slips for use while getting or parking trailer. Let boaters be responsible for boating at there own risk.
Folsom Lake	Floating restrooms would reduce the likelihood of boaters using the shoreline.
Folsom Lake	Floating restrooms: don't have.
Folsom Lake	Fuel Dock, Currently only one on the whole lake.
Folsom Lake	Fuel docks. Folks either carry extra fuel on board (dangerous) or jerry can fuel at dock (messy/dangerous).
Folsom Lake	Fuel-you have to get off the lake to get gas.
Folsom Lake	Hand boat launch areas need to actually be built. Currently people just go in where ever. This include Personnel Watercraft like jet skis and wave runners. They should have areas specifically for them to launch and recover. That way they do not tie up the.
Folsom Lake	Hand boat launching separate from motorized launching would reduce crowding and improve safety.
Folsom Lake	Hand launch areas protected from motorized vehicle traffic causing waves while launching.
Folsom Lake	Hand launch facilities as there are none available at the Rattlesnake Bar area and road conditions are very poor.
Folsom Lake	If water level is low, more marking of hazardous rocks. The one time I was there (May) in 2016,I hit a submerged rock and almost sunk the boat. When we were hauling the boat from the lake for repairs the next day, we met a gentleman at the launch ramp w.
Folsom Lake	It would be good to add real restrooms at Rattlesnake Bar. People do their business outside the "porta-potties", which are nasty as they aren't well maintained.
Folsom Lake	It would be nice to have a fuel option and more robust Marina services (docking, food, equipment).
Folsom Lake	It would be nice to have boat in only campsites or floating boat in campsites like lake Oroville.

Folsom Lake	It would be nice to have boat only access sites available to get away from the day use crowds.
Folsom Lake	Landings: Easy access to exit my kayak would be nice.
Folsom Lake	Launch ramps - often the lines are very long both to get in and out.
Folsom Lake	Launch ramps and docking spots at the launch areas.
Folsom Lake	Launch ramps and fuel facilities are most important. Currently there is only on fuel facility on the lake at Browns Ravine. An additional asset should be added at the Granite Bay side.
Folsom Lake	Launch ramps to reduce over crowding when the lake is lower(which it typically has been for the last four years).
Folsom Lake	Launch ramps, launch access, docks. Low water levels during summer severely limits access and launching.
Folsom Lake	Launch ramps. Quality of lower level access need to be improved especially since water management issues keep this body in a sever depleted state.
Folsom Lake	Launch sites for when water is low.
Folsom Lake	Launch spots (by hand): The launch spot would also be able to be used as a take-out spot. The non-motorized boaters would not be using the launch ramp for motorized. This would increase the safety of the non-motorized boaters who have to launch by hand on the same ramp motorize.
Folsom Lake	Launch spots (by hand): Trailer focused.
Folsom Lake	Launch spots (by other means such as trailer): For several years the Folsom Point(Dyke 8) ramp has had a large hole in the surface that renders that side of the ramp to 1 lane instead of the intended 2 lane.
Folsom Lake	Launching facilities. The existing ones are very crowded.
Folsom Lake	Launching is often a big problem at the granite bay location of Folsom Lake and gate entrance is often very crowded with long waits to get in.
Folsom Lake	Less expensive, more and better access from Auburn, CA.
Folsom Lake	Like all public restrooms, today's users have no respect for property or cleanliness.
Folsom Lake	Lines to pull boats in/out over the weekend are long. Can we add more ramps (particularly in low water years)?
Folsom Lake	Low water creates unique problems at Folsom Lake.
Folsom Lake	Maintain the slip conditions. Repair wood for walkways and slip spots. Safety is main reason.
Folsom Lake	Marina slips or mooring. I would like to leave my boat at the lake, instead of having to launch and pull it each time.
Folsom Lake	Marina slips. not enough and the lake dries up too quickly so boats must be pulled early in season.
Folsom Lake	Marinas - I would rather use a slip than to launch my boat every time.
Folsom Lake	Marking all the potential hazards is most important.
Folsom Lake	More boarding docks to tie up to and park.
Folsom Lake	More launch ramps, especially during low water.
Folsom Lake	MORE LAUNCHING ROOM, WHEN THE WATER IS AVAILABLE.
Folsom Lake	More space around docks especially when the water is low at Folsom lake and its a weekend I find it dangerous. Boats are hitting rocks and or each other.
Folsom Lake	More water. For the second year the lake is 5 mph after August.

Folsom Lake	Need additional and larger launch access as water level drops during late summer. Access at Granite Bay becomes cramped to launch and to haul out with only two ramps and lots of boaters trying to maneuver in late afternoons.
Folsom Lake	Over night stays on the lake would greatly expand on the use of the lake for my family.
Folsom Lake	Parking closer to launch.
Folsom Lake	Parking for vehicles with trailers can be problematic.
Folsom Lake	Probably day docks so that is easier to load little kids than at the ramp. Second supply store for food/drink/equipment.
Folsom Lake	Ramps , old and falling apart , drift wood all over the place.
Folsom Lake	Ramps can use work. Facility is otherwise excellent.
Folsom Lake	Ramps. Too crowded. Long lines.
Folsom Lake	Ramps: In the summer time when water is low, the low number of ramps creates heavy traffic.
Folsom Lake	Restrooms. They get ugly pretty fast and need to be cleaned out when necessary, even hourly if needed.
Folsom Lake	Security: Frequently there are boaters, motorized and non motorized drinking too much or creating too much noise.
Folsom Lake	Supply stores so we would not have to leave.
Folsom Lake	Supply stores, fuel is only available after 30 min boat trip.
Folsom Lake	The biggest issue is when it is crowded launching can be problematic and when the water drops, the larger (wider) ramps are not usable for long (only 2-3 months tops.
Folsom Lake	The boat launch area can be congested with traffic - people launching or retrieving their boats. It might be nice to have more launch ramps.
Folsom Lake	The facilities and services are generally fine. The problem with Folsom Lake is the extreme variation in water level, often so low that the marina is dry.
Folsom Lake	The lower elevation boat ramps are terribly inadequate. The poor rangers have a difficult job to manage the process on a narrow ramp and the road to the ramp is not even paved. Take the boat ramp reserved for rentals and let that be used by the public.
Folsom Lake	The Restrooms need to be cleaned more often.
Folsom Lake	The shoreline at Rattlesnake used to be open to vehicles to launch both motorized and nonmotorized boats (along with just general parking for recreation). Having that access during the spring thru fall would alleviate congestion at the ramp and provide a.
Folsom Lake	The shoreline at Rattlesnake used to be open to vehicles to launch both motorized and nonmotorized boats (along with just general parking for recreation). Having that access during the spring thru fall would alleviate congestion at the ramp and provide a.
Folsom Lake	The shoreline is irregular and rocky. it would be nice to have a sandy shoreline.
Folsom Lake	The slips are rotting and in disrepair.
Folsom Lake	The water is drained very early in the summer, eliminating recreational use.
Folsom Lake	There is a great need for additional floating restrooms and more frequent servicing of the restrooms currently on the water.
Folsom Lake	THERE IS NO DEDICATED HAND BOAT LAUNCH.
Folsom Lake	Water levels at Folsom Lake are so grossly mismanaged as to make the lake almost unusable for motorized boats. A very short season is the result of incompetence in managing the lake levels, almost eliminating recreational use of this lake.
Fresno Slough	Boat camping because it gets so hot in the summer night fishing is more comfortable.

Hensley Lake	Buoys not always marking the shallows (Rocks, islands).
Hensley Lake	Keep waterway clean.
Hensley Lake	Launch spots (by hand): The nature of the levees makes it difficult to develop more parking areas.
Kaweah Reservoir	Emergencies, if there were to be an accident, it would take time for help to arrive.
Kaweah Reservoir	The main launch ramp when the lake gets low, is uneven and can be tricky loading boat back on trailer.
Lake Buena Vista	Restrooms are pretty bad.
Lake Evans	Parking no room for trailers.
Lake Isabella	Docks, keep them from getting to populated.
Lake Isabella	Markers for under water rocks and other under water structures/ objects that can cause accidents by a boat hitting it causing a bad accident or even death. I think the Lake should be monitored at regular times to check for such objects and markers put in.
Lake Isabella	RESTROOMS ALWAYS CLOSED.
Lake Isabella	Restrooms, sometimes they are locked.
Lake Isabella	Restrooms. Because we had kids who had to "go" and could not find them.
Lake Isabella	Restrooms: Lots of other user groups like campers and fisherman are at the same access points with not enough restrooms, trash services/education on low impact use to meet the need.
Lake Isabella	Restrooms: There are no restrooms at the Tillie Creek boat launch, so people use the bushes - not very sanitary!
Lake Isabella	Tables with BBQ grills/stations.
Lake Isabella	They need more shore side restrooms for all activities.
Lake McClure	Better supply services.
Lake McClure	Cell phone and internet access needs to be improved, for both convenience and for safety. Camping sites need upgrades/updates. Some of the tables and awnings are really old or worn.
Lake McClure	Clean bathrooms.
Lake McClure	Docks. They are crowded at times.
Lake McClure	Fishing!
Lake McClure	Fuel Docks, distance to nearest station too far.
Lake McClure	Fuel....Otherwise you have to haul fuel down hills to get to the boat ramp/marina.
Lake McClure	McClure point launch ramps one did not open all year, the other docks did not have hand rails to help boaters on and off boats. Saw elderly (me) and teenagers hurt falling losing balance on docks. Did not find a full hookup near launch ramp for Rivers.
Lake McClure	Need a sandy or soft bottom area to launch and board kayaks ...
Lake McClure	Showers to get clean up.
Lake McClure	They need to get the Marina back up and running, we need fuel and the supplies from the store.
Lake McSwain	Ramps, do to low water ramps are few.
Lake McSwain	Water quality. . .with little water in Lake McClure, the water is too warm for cold water species such as trout.
Lake Natoma	Access to fresh water: Convenience & health safety.
Lake Natoma	Access to fresh water: Gets hot.
Lake Natoma	Access to fresh water: Hard to find... and very infrequent.
Lake Natoma	Access to fresh water: It gets really hot.

Lake Natoma	Access to fresh water: It gets unbearably hot here - water is needed.
Lake Natoma	Access to motorized boats. Non-motorized boaters tie up and block the launch ramp.
Lake Natoma	Algae.
Lake Natoma	It would be nice if kayaks could launch somewhere other than the big boat ramp.
Lake Natoma	Landings: Places to stop and look at the scenery or picnic.
Lake Natoma	Launch spots (by hand): increasing access and area for boat rigging like grass or bark ground covered areas, verse asphalt and concrete parking and ramps.
Lake Natoma	Launch spots (by hand): most kayakers can carry their boats to the water.
Lake Natoma	Launch spots (by hand): Weekends are difficult to launch near the Aquatic Center due to congestion.
Lake Natoma	Launch spots (by other means such as trailer): When launching sailboat or row boat. There are no cleats on the floating walkway. If you launch by yourself, as I often do, it is very inconvenient to leave the boat while parking the trailer.
Lake Natoma	Navigation aids (buoys, trail markers): Safety.
Lake Natoma	Parking: Not enough parking down in the picnic area and hard to turn around at the end.
Lake Natoma	Parking: Often no parking at Willow Creek.
Lake Natoma	Parking: Parking during the summer months is extremely impacted, and that is for paying customers. The overflow parking is not always available - only for "special" events.
Lake Natoma	Parking: This only really applies during big events. It gets hectic.
Lake Natoma	Parking: When there are events at Nimbus Flat, there is often no parking available for those not participating in that event.
Lake Natoma	Restrooms: lots of porta potties are brought in for regattas.
Lake Natoma	Restrooms: Maintenance.
Lake Natoma	Restrooms: More restrooms are needed at take-out points along Lake Natomas.
Lake Natoma	Restrooms: Need more of them.
Lake Natoma	Restrooms: They are unsanitary, not kept clean, often lots of bird poop.
Lake Natoma	Restrooms: Usually have portopotties at regattas which has worked pretty well, and having the two stations minimizes the pile up prior to races to use the restrooms.
Lake Natoma	Restrooms: Without parking, we can't do anything. Others are also important.
Lake Natoma	Secure boathouse for outrigger canoes - There are currently two Northern Calif. Outrigger Clubs using the lake and Sac State A.C. holds the sole storage rights granted for this lake.
Lake Natoma	Security: cars are broken into at the parking spots.
Lake Natoma	Shade we should be allowed to bring our own tents.
Lake Natoma	Showers: nice to get into car and not be sweaty - actually there ARE showers at Sac state aquatic center :-). cost \$\$.
Lake Natoma	Supply stores: We have repeatedly attempted to acquire a small space on which to store our boats, but are always rejected.
Lake Oroville	A sundry store at the Limesaddle Marina, that carries groceries, boating equipment, repair items, fishing supplies, etc. There once was one, that was very convenient to using the north end of the lake.
Lake Oroville	Boat camping (would attract more campers).
Lake Oroville	Boat camping- this would be nice to experience.
Lake Oroville	Campground with camping on the lake with boat access.

Lake Oroville	Cell phone reception for emergencies.
Lake Oroville	Day docks they don't exist.
Lake Oroville	Disabled parking is too far from the water at lime saddle when the water goes down, the ramp is too steep and long to walk up. I have paid for access then seen the ramp with no parking and just turned around and gone home.
Lake Oroville	Docking is a nightmare to get in and out of for gas on a busy day.
Lake Oroville	Driving the proper direction on the lake. Other lakes have these rules. It is very dangerous especially with inexperienced boaters when they are coming right at you the wrong direction.
Lake Oroville	Enforcement: too many boaters preparing their boats at water edge, on ramp or dock side blocking prepared boats from launching or returning.
Lake Oroville	Extended launch ramps would be nice with the lower lake levels launching in the mud is no fun
Lake Oroville	For the fees we pay to launch a boat, (which are high) a couple golf carts going up and down the ramp to transport people to and from the parking lot to the water would be helpful. Due to extreme water level drops, many older boaters can't make the walk up.
Lake Oroville	Fuel Docks and Restrooms.
Lake Oroville	Getting rid of the peninsula.
Lake Oroville	Good car top access. I can't leave a vehicle without fear of getting it broken into. At the main ramps I get stuck putting my kayak in with the bass boats.
Lake Oroville	Handicap parking. if you can't park close to the boat ramp, it makes it exceedingly difficult to use the boat. (boat ramp is a very steep hill for someone with mobility issues).
Lake Oroville	Improving the boat ramps is needed because the water levels continue to be very low at times.
Lake Oroville	Landings: They have nice picnic sites but it is very difficult to access from the water.
Lake Oroville	Launch ramp when water level is low.
Lake Oroville	Launch ramps are only usable with a full lake.
Lake Oroville	Launches are only usable with full lake.
Lake Oroville	Launching, having more access. There is frequent over-crowding.
Lake Oroville	Lime Saddle has no slips for sailboats.
Lake Oroville	More launching areas needed and deeper into the lake when the lake level is low.
Lake Oroville	Parking, especially at lower lake levels.
Lake Oroville	Removal of debris. Serious Hazard to boats and people.
Lake Oroville	Seems like the gas filling stations should be a remote area of the docks. Boaters sometimes take up gas docks to go the restroom and hold everyone up.
Lake Oroville	The water levels fluctuate so much that access is undependable. Muddy and dusty conditions during the end of summer months.
Lake Oroville	Too hard to reserve floating campsites. There is only 10...need more...
Lake Oroville	Upkeep of mooring docks by marina. Better organized parking areas closer to water.
Lake Oroville	When lake levels are low, some launch ramps are closed. The open ones have minimal tie up facilities for boaters who are waiting for passengers or for a vehicle and boat trailer for pullout. Although this usually isn't an issue since lake usage is down.
Lake Oroville	Would be nice to have a restaurant, easier access up the ramp when water is down. Little more parking.

Lake Oroville	Would like to be able to tie down near the camping area. Boat launch can be a long way from the camp ground and always there are children who needs to walk and cars that are to much in a hurry to launch.
Lake Webb	Restrooms Busy.
Lake Webb (Buena Vista Lake)	Restrooms: To keep the river and banks free from toilet paper and waste.
Lake Yosemite	Emergency services. None available.
Lodi Lake	Boat-in day-use areas: Most beaches along the river are private or owned by the City and we are not allowed to take out and stretch.
Lodi Lake	Landings. Would be nice to tie up somewhere else along the lake or river and get out to stretch.
Lodi Lake	Launch spots (by hand): Many, if not all, of the locations along the river where hand launching is possible/convenient are privately held and posted 'no trespassing'.
Lodi Lake	Launch spots (by hand): the kayak ramp is only if renting their boats and the boat ramp is not set up to allow easy use by kayakers and no launching allowed from the banks of the park.
Lodi Lake	Launch spots (by hand): They have the beach closed needlessly.
Los Banos Creek Reservoir	Boat launch needs repaired for easier launch.
Merced River	Boat-in campsites: Standard campsites are hard to find.
Millerton Lake	Access to launch ramps. With water levels receding, it can be a degree of risk to safely launch boat. Sometimes, there is just a sign "launch at your own risk" but there should be more information posted or available. Traffic control when launch ramps are busy.
Millerton Lake	Avoid drunk boating.
Millerton Lake	Boarding floats at ramps. Not enough available when lake is busy.
Millerton Lake	Clean restrooms.
Millerton Lake	Cost of access.
Millerton Lake	Floating restrooms: don't have.
Millerton Lake	Fuel, so you do not have to load boat to go get gas.
Millerton Lake	General automotive / boat parts and service for those times a maintenance issue needs to be addressed so boat can be safely used.
Millerton Lake	Hand launching safety.
Millerton Lake	It would be nice to have internet access across the lake because of emergency contact as well as entertainment (we boat camp).
Millerton Lake	RAMPS AND LOADING FLOATS. THE RAMPS ARE IN DISREPAIR AND MOST OF THE FLOATS ARE IN FAIR, AT BEST, CONDITION. THEY ALSO NEED A GREATER ENFORCEMENT PRESENCE AT THE RAMPS DURING BUSY TIMES TO PROVIDE DIRECTION FOR NON-EXPERIENCED BOATERS.
Millerton Lake	Temperance Flat camping area has very little amenities. Anything would be an improvement!
Millerton Lake	The lake is very busy. with the drought the lake has been low. it is not infrequent to have to wait a bit to get in or out of the water as there are usually only 2 ramps. ramp courtesy is in need of help. people are not well trained on the nuances of ramp.
Millerton Lake	Transient facilities/tie ups = convenient for picnic/boating.
Modesto Reservoir	Additional launch site would be useful as their is only one.
Modesto Reservoir	Back Lake restrooms!
Modesto Reservoir	Restrooms: People need to use the restrooms and they shouldn't have to trek half a mile to the nearest one when the waterway itself is so spread out.

Modesto Reservoir	Showers needed. More restrooms.
O'Neill Forebay	Fueling station, occasionally need for fuel.
O'Neill Forebay	Open all existing launch ramps to ease crowding and make it more convenient for campers.
O'Neill Forebay	Security: Many vehicles are broken into. Only security is park ranger.
O'Neill Forebay	There is no potable water available from the hwy33 entry.
Paradise Lake	Access to fresh water: Usually bring own water but if one forgets...
Paradise Lake	Boating access: our local lake (reservoir) is closed in the winter it would be nice if it were open year round.
Pine Flat Lake	Better docks.
Pine Flat Lake	Fish cleaning stations. Much easier to take your fish back home.
Pine Flat Lake	Fuel and snacks. Because nearest store offering services is now closed.
Pine Flat Lake	Hand boat launch....too far to walk from parking.
Pine Flat Lake	Hand Launch with parking.
Pine Flat Lake	Landing/Boat in site to get off boat without having to anchor off in the middle to BBQ.
Pine Flat Lake	Launch Ramps. Currently, Deer Creek is only paved ramp in water when water level is low. Ramp is not steep or wide enough. Need do like Millerton or New Melones and add multi lane ramps at several levels. Low water levels are a recurring problem.
Pine Flat Lake	More slips at marinas for rent and short term transient. VHF marine band radio coverage.
Pine Flat Lake	Need places for guests to load while other boat are launching so it doesn't tie the ramp up.
Pine Flat Lake	Parking and launching because it can take forever to launch a boat and some people get cranky and rude while waiting. As for parking there is not enough parking for boat trailers when the water is high therefore people tend to park all along the side of t.
Pine Flat Lake	RAMPS. SEVERAL AVAILABLE BUT ALL VERY SMALL.
Pine Flat Lake	Restrooms not a lot available through lake.
Pine Flat Lake	Short term docking is none existent so some boaters use the ramp dock to work on a boat, blocking it's use. Emergency services are a Sheriff patrol boat in peek summer use. Nothing during the rest of the year.
Pine Flat Lake	Short term slips. There was sometimes a need to tie off a boat to run into town.
Sacramento River	Access of restrooms by fishermen and boaters.
Sacramento River	Access to the river.
Sacramento River	Additional launch ramps to alleviate crowding on busy weekends.
Sacramento River	Affordable and open access to river. Irvine finch gets a ton of use and is really expensive compared to other landings. I purposely avoid this most convenient ramp due to cost.
Sacramento River	All launches are very shallow above balls ferry.
Sacramento River	Bathrooms none exist.
Sacramento River	Better launch ramp docks at Garcia bend and the ramp under I-5 near the airport.
Sacramento River	Boat Access. Very few and far apart.
Sacramento River	Boating access is too far from the water.
Sacramento River	Boating access: We need access to the river.
Sacramento River	Brannen Island State park docks have been neglected and off limits for years. Beautiful boat docks that the public cannot use to do no maintenance by state.
Sacramento River	Clean out and repair launch ramp when water flows are low and clean off ramps after high water leaves mud on the ramp.

Sacramento River	Day docks to access restaurants.
Sacramento River	Discovery Park was a mess with traffic and 4 cars and boats were trying to launch at one time. Other people in the park were parking in the boating area. Jet ski riders were riding in the launch area and they also had some Paddleboards in the ramp area.
Sacramento River	Docks at the marinas need to be long enough and have enough cleats to secure your boat while you park your truck. It's a river and its always moving.
Sacramento River	Docks for day use. we often want to go to a restaurant, but cant because there is limited docking and it is full.
Sacramento River	Docks to allow boarding of boats. Current docks are in need of repair
Sacramento River	Downstream of Woodson Bride day floats for fishing is really challenging 10-12 mile max. Forces day use for fishing to chico area or to motors. I primarily use oar raft or drift boat (assuming primary boat is motor is false for me). I am heavy user with.
Sacramento River	Emergency services: I've fished on the Sacramento river for years. If there were some type of emergency, and I had no cell phone or service, there are no emergency phones or emergency beacons at any of the boat ramps or marinas.
Sacramento River	Finch River Ramp needs to be longer and deeper.
Sacramento River	Fish cleaning station. There aren't any near.
Sacramento River	Fix the ramp at Irvine Finch.
Sacramento River	Fuel. I have been close to running out of gas on the river and fueling points can be scarce depending where you are.
Sacramento River	Fuel. Too few places spread too far apart in places.
Sacramento River	I use the river mostly for Salmon fishing and would like to see cleaning stations and if it were possible egg recovery stations for the salmon eggs.
Sacramento River	Irvine Finch ramp in Hamilton City needs improvement/enlargement. It's a difficult place to launch.
Sacramento River	Landings Boat in sites. We love to go up river and anchor out in the river for the weekend. During that time we like to take the both the big boat and its tender to restaurants and shopping on shore.
Sacramento River	Launch conditions / main channel access during low flow.
Sacramento River	Launch facilities. The area between the Davis Park and The Virgin Sturgeon is always very crowded. With the exception of Discovery Park ramp which is protected from the river current it is difficult to launch and recover your boat when you have to fight t.
Sacramento River	launch ramp dredging so that two boats may consistently be launched at Garcia Bend, even during low tide.
Sacramento River	Launch ramps - need more access to the water.
Sacramento River	Launch ramps are few and far between.
Sacramento River	Launch ramps are important. I'm not sure of good locations other than Discovery Park, which can get pretty congested.
Sacramento River	Launch ramps are narrow, sometimes filled with silt or washed out on a side or end.
Sacramento River	Launch ramps need to be improved for multiple boats with docks with cleats to tie up to after launching.
Sacramento River	Launch Ramps with parking and restrooms.

Sacramento River	Launch ramps. They are for the most part not very well taken care of. Pot holes, loose boards and rubber bumpers hanging revealing sharp nails and fasteners as well as splintered pressure treated boards protruding. Dangerous to people and boats.
Sacramento River	Launch spots (by hand): Needed.
Sacramento River	Launch spots (by hand): none available.
Sacramento River	Launches: often crowded, wait time is often long, launches close early, parking for trailers limited.
Sacramento River	Launching sites are limited when water level is impacted.
Sacramento River	Launching sites condition, safety issues are the main concerns. most of them are old and they are steep and the lanes are too narrow.
Sacramento River	More launch ramps after garcia bends, no access until Hogback.
Sacramento River	Navigation hazards to include slightly submerged trees or submerged trees, abandoned boats, hazardous debris.
Sacramento River	Parking for boats and trailers for handicap.
Sacramento River	Parking is often crowded.
Sacramento River	Parking, often times the parking lots are full.
Sacramento River	Parking: our boats are heavy - it is hard to carry them for long distances. the older we get, the harder it gets too.
Sacramento River	Ramps - long lines at peak times.
Sacramento River	Ramps very difficult to use during low water. Marine vegetation clogging some launch sites.
Sacramento River	Ramps. For safety and ease of use.
Sacramento River	Reasonably priced fuel.
Sacramento River	Rest rooms, few and far between.
Sacramento River	Restroom facilities are lacking.
Sacramento River	Restrooms-There are no restroom facilities that are open at Miller Park. The building is there but in the last 10 years they have never been unlocked at anytime of day.
Sacramento River	Restrooms at the dock.
Sacramento River	Restrooms because there are few.
Sacramento River	Restrooms because there are not many places except for business.
Sacramento River	Restrooms for water quality.
Sacramento River	Restrooms to prevent the obvious.
Sacramento River	Rio vista boat launch has a people ramp that submerges under water at high tide.
Sacramento River	Security because many people now have thievery as their occupation.
Sacramento River	Security. Several Vehicle break-ins over the last few years. Some Patrolling by PD this year has helped.
Sacramento River	Several launch ramps have huge drops from washout at the end of the concrete. During low water releases this makes launches difficult if not dangerous.
Sacramento River	Some nearby launch ramps are too small and crowded. Need more ramps or more dock space.
Sacramento River	Some of the floating dock are in need of repair.
Sacramento River	Some sites have invasive weed species that clog up motor. Pine creek launch is an example. Elodea and hornwort are the culprits.
Sacramento River	Tainted water in sac and fluctuating levels make avoiding objects difficult.
Sacramento River	Take-out spots: More ease of getting up to parking needed.

Sacramento River	Take-out spots: taking boat out of the water can be tricky.
Sacramento River	Take-out spots: Very Few.
Sacramento River	The yearly pass cost is not reasonable. If it is \$11 to park and launch but the yearly fee is \$225 one would have to use the facilities every week end to justify the expense of the yearly pass. Maybe guides who use the ramps the most and make money doing.
Sacramento River	Transient Facilities/Tie Ups. Need fun places to take the boat out for overnight trips. The Sacramento River is mostly an anchoring out experience.
Sacramento River	Useable ramps to allow access to the river. There is not a descent ramp between Colusa and Woodson Bridge!!!!
Sacramento River	We need launching in Colusa very badly. And some docks near the main town to tie up and get food or supplies.
Sacramento River	Would be nice to have 1 or 2 additional ramps in greater Sacramento area.
Sacramento-San Joaquin Delta	Access to fresh water: Because we need access to fresh water!
Sacramento-San Joaquin Delta	Access to fresh water: It is not a big problem because I bring water.
Sacramento-San Joaquin Delta	Accidents happen and crimes are committed, more ems and sheriff presence would help curb wait times and crime.
Sacramento-San Joaquin Delta	Adequate Marina Slips. I want to leave the boat at a monitored marina for approximately 2 months during the spring striper run.
Sacramento-San Joaquin Delta	Bank fishing sites. They are getting harder to find as they keep restricting access to places I used to fish at. What good is buying a fishing license when the places to fish are disappearing.
Sacramento-San Joaquin Delta	Bathrooms are the most important as bodily functions are difficult to control once on the water.
Sacramento-San Joaquin Delta	Better launch ramps.
Sacramento-San Joaquin Delta	Better ramps and docks.
Sacramento-San Joaquin Delta	Boat launch ramps need to be clean.
Sacramento-San Joaquin Delta	Boat ramps there are only a few locations where you can launch. The other problem is security for tow vehicles. At sandy beach which is a county operated launch there is a deputy onsite during the day. At Vieira's it is privately owned so there are people.
Sacramento-San Joaquin Delta	Boat-in campsites: There seems to be only one decent campsite available.
Sacramento-San Joaquin Delta	Boat-in day-use areas: It is nice to have a pleasant destination rather than just paddling along rip rap levees.
Sacramento-San Joaquin Delta	Boat-in day-use areas: Lowe fees.
Sacramento-San Joaquin Delta	Boating access: Levees make the delta a difficult place to launch and launching facilities are far enough from each other to limit where you can go.
Sacramento-San Joaquin Delta	Clear out/control hyacinth. Totally blocks access to water and kills fish. Green algae dangerous to health of users. What can be done?

Sacramento-San Joaquin Delta	Day docks. boaters need to have a safe place to stop and rest.
Sacramento-San Joaquin Delta	Fuel Docks - very limited.
Sacramento-San Joaquin Delta	fuel, marina You need fuel to run boats.
Sacramento-San Joaquin Delta	Fuel. I burn 2 to 3 gallons of diesel an hour.
Sacramento-San Joaquin Delta	Fuel. It is needed since it is a large body of water. Prices need to come down less taxes of boat fuel.
Sacramento-San Joaquin Delta	Gas, Not many places to reliably fill up. Some close early.
Sacramento-San Joaquin Delta	Hand boat launch; very few choices for launching non-motorized boats with limited parking and access.
Sacramento-San Joaquin Delta	Handy restrooms for boaters.
Sacramento-San Joaquin Delta	Hyacinth and egeria are clogging the waterways can damage motors and hurt fish.
Sacramento-San Joaquin Delta	I feel that if fish cleaning station were added to many of the marinas that would cut down on people cleaning fish right on the water.
Sacramento-San Joaquin Delta	I think boat operator training needs to be addressed no matter the waterway location. Boating on the San Joaquin/Sacramento River Delta can be very dangerous when busy.
Sacramento-San Joaquin Delta	I think emergency services is always an area to address. Supporting existing efforts and seeing where resources could be better utilized and funded to police and keep safe the large numbers of recreational boaters throughout California.
Sacramento-San Joaquin Delta	In the Delta, the invasive plants are taking over and clogging many of the waterways.
Sacramento-San Joaquin Delta	Landings/boat in site. not many areas where you can take a break other than going to the boat ramp/ dock you launched from. also helps with emergencies.
Sacramento-San Joaquin Delta	Landings: Lots of places around here there is no place to rest while kayaking.
Sacramento-San Joaquin Delta	Launch ramps and boarding floats. Access is limited and can be crowded.
Sacramento-San Joaquin Delta	Launch ramps; very few to choose from in the primary area where we keep our houseboat.
Sacramento-San Joaquin Delta	Launch spots (by hand): Access is key.
Sacramento-San Joaquin Delta	Launch spots (by hand): For kayakers, current access spots tend to be far apart.
Sacramento-San Joaquin Delta	Launch spots (by hand): Having to launch from boat ramp and motorized boat owners not happy and or consistently busy.
Sacramento-San Joaquin Delta	Launch spots (by hand): I windsurf.

Sacramento-San Joaquin Delta	Launch spots (by hand): It is hard to find access to the river.
Sacramento-San Joaquin Delta	Launch spots (by hand): So much of the Delta edges are privately owned preventing many waterways and sloughs to be inaccessible unless a 20 mile paddle is involved. More launch spots dotted along the Delta shores would be highly appreciated so waterways can be explored and end.
Sacramento-San Joaquin Delta	Launch spots (by other means such as trailer): Having more launch spots would allow for better access to certain areas in the Delta.
Sacramento-San Joaquin Delta	Launch spots (by other means such as trailer): Many launch spots in Delta region are too costly or too far to reasonably carry non motorized craft to launch.
Sacramento-San Joaquin Delta	Launch spots (by other means such as trailer): Not enough launch spots.
Sacramento-San Joaquin Delta	Marine service and repair facilities that are accessible by water. Residents who live on the water, or those that store their boats on the water would benefit by not having to trailer their boats elsewhere.
Sacramento-San Joaquin Delta	Marine services and businesses. Need more options to the few available.
Sacramento-San Joaquin Delta	More hand boat launches so that we can access more areas.
Sacramento-San Joaquin Delta	More launch ramps. Those that are open are often overcrowded and source for aggravation and accidents.
Sacramento-San Joaquin Delta	Parking along river since many people park on the side of he road creating hazardous conditions.
Sacramento-San Joaquin Delta	Parking is limited at some places.
Sacramento-San Joaquin Delta	Parking, restrooms, easy launch area, reasonable parking & entry fees.
Sacramento-San Joaquin Delta	Parking. There should be reserved parking for trailered kayaks and vehicles.
Sacramento-San Joaquin Delta	Parking: always full. parking 'reserved' for boat trailers is full of weekend tripper motorhomes.
Sacramento-San Joaquin Delta	Parking: safety for unloading and accessibility.
Sacramento-San Joaquin Delta	pump out; pollution.
Sacramento-San Joaquin Delta	Ramp reserved to kayaks.....issue is that motorized boats tend to crowd ramps and leave little space to kayaks.
Sacramento-San Joaquin Delta	Restroom access, because it would alleviate the need to just "go in the woods".
Sacramento-San Joaquin Delta	Restrooms - very hard to come by after you leave the ramp.
Sacramento-San Joaquin Delta	Restrooms- so my wife can join us.

Sacramento-San Joaquin Delta	Restrooms. Don't want to pee in the river.
Sacramento-San Joaquin Delta	Restrooms. Not enough available.
Sacramento-San Joaquin Delta	Restrooms: Convivence.
Sacramento-San Joaquin Delta	Restrooms: Having more things posted..i.e...no wake zone, watch for wake boarders and tubing and kayakers.
Sacramento-San Joaquin Delta	Restrooms: Needed.
Sacramento-San Joaquin Delta	Safety is always a good place to look. Making sure boaters of all types know, obey and follow the rules of safe boating.
Sacramento-San Joaquin Delta	Security. a lot of riff-raft people.
Sacramento-San Joaquin Delta	Showers: There are lots of great stops in the delta but some of them could use better overnight facilities such as good showers.
Sacramento-San Joaquin Delta	There are very few temp. tie up slips through out the delta at areas where there are activities. Such is the case at Old Town Sacramento. For a large attraction, there are only a few boat slips available.
San Joaquin River	Bathrooms. Boater are always peeing in the river.
San Joaquin River	Boat launch. Private property is only place to launch motorized boat on.
San Joaquin River	Boat-in day-use areas: Make it easier to launch & exit the river at end of trip.
San Joaquin River	Launch spots (by hand): Low profile docks make access for sculls simple year-round.
San Joaquin River	Marine service and repair. Boaters who live on the water or spend a great deal of time there would benefit from maintenance and repair facilities that are accessible from the water.
San Joaquin River	Park security presence. Have come in from fishing to find young kids playing in the water on the ramp as well as persons fishing from the dock. No fishing or swimming on dock sign is posted but nobody cares to follow.
San Joaquin River	Parking: For the class 2 put-in we have to park on the side of the road.
San Joaquin River	Restrooms: Few takeout or launch sites. Typical trip is 4+ hours on the various reaches. Many homeless in bushes!
San Joaquin River	Sometimes the ramp get choked with floating seaweed plants which make loading difficult for my trailer.
San Luis Reservoir	A store with basic necessities would be well appreciated.
San Luis Reservoir	Again we only fish the forbay and launching depends on the ranger at the pay station.
San Luis Reservoir	Boat camping (great to fish at night).
San Luis Reservoir	Camping not opened year round.
San Luis Reservoir	Launching in the forbay is inconsistent depending on the ranger at the pay station.
Success Lake	Another Launch site would help.
Success Lake	Launch ramps often out of water.
Success Lake	Supply stores, have to drive at this time.
Success Lake	There is no store regularly open to purchase supplies, food, drinks, etc.
Thermalito Afterbay	Restrooms: I see toilet paper on shores and the island where folks have stopped to relieve themselves.

Thermalito Forebay	Additional boat launch area.
Thermalito Forebay	Boating access: Without access there is no fun!
Turlock Lake	Easy launching and loading of boat! LAKE IS LOW AND HAVE TO LAUNCH IN MUD RIGHT NOW.
Woodward Reservoir	Fuel... self explanatory...long drive after pull boat out of water to refuel.
Woodward Reservoir	More showers for the over crowding.
Woodward Reservoir	Supply Store, Restroom and Shower.
N=474	

Appendix G. Boating Issues Reported by Motorized Boaters

Appendix G. High Facility Use Fee (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	3	10.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	9	33.3%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	60	33.1%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	3	10.3%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	12	13.2%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	2	28.6%
Millerton Lake	40	10	25.0%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	3	37.5%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	15	8.3%
Sacramento-San Joaquin Delta	99	7	7.1%
San Joaquin River	24	2	8.3%
San Luis Reservoir	16	4	25.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	2	14.3%

Appendix G. Invasive Species (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	1	3.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	1	25.0%
Feather River	15	0	0.0%
Folsom Lake	181	1	0.6%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	1	1.1%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	3	42.9%
Millerton Lake	40	0	0.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	17	9.4%
Sacramento-San Joaquin Delta	99	27	27.3%
San Joaquin River	24	4	16.7%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Overcrowded (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	10	33.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	7	25.9%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	2	13.3%
Folsom Lake	181	74	40.9%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	2	20.0%
Lake Buena Vista	7	2	28.6%
Lake Evans	9	0	0.0%
Lake Isabella	15	1	6.7%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	5	5.5%
Lake Webb	2	1	50.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	2	66.7%
Lodi Lake	2	1	50.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	12	30.0%
Modesto Reservoir	7	2	28.6%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	3	10.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	30	16.7%
Sacramento-San Joaquin Delta	99	10	10.1%
San Joaquin River	24	2	8.3%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	1	12.5%
Woodward Reservoir	14	5	35.7%

Appendix G. Poor Ramp Conditions (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	1	3.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	1	50.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	2	66.7%
Eastman Lake	4	0	0.0%
Feather River	15	5	33.3%
Folsom Lake	181	19	10.5%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	3	30.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	3	33.3%
Lake Isabella	15	2	13.3%
Lake McClure	29	4	13.8%
Lake McSwain	9	1	11.1%
Lake Natoma	11	1	9.1%
Lake Oroville	91	9	9.9%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	4	10.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	4	13.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	42	23.3%
Sacramento-San Joaquin Delta	99	9	9.1%
San Joaquin River	24	0	0.0%
San Luis Reservoir	16	1	6.3%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Poor Road Access (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	1	33.3%
Eastman Lake	4	0	0.0%
Feather River	15	3	20.0%
Folsom Lake	181	3	1.7%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	2	2.2%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	0	0.0%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	1	33.3%
Sacramento River	180	4	2.2%
Sacramento-San Joaquin Delta	99	1	1.0%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Issues with Motorized Boaters (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	2	6.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	2	7.4%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	1	6.7%
Folsom Lake	181	18	9.9%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	1	11.1%
Lake Isabella	15	1	6.7%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	3	3.3%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	3	100.0%
Lodi Lake	2	1	50.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	5	12.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	2	6.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	15	8.3%
Sacramento-San Joaquin Delta	99	11	11.1%
San Joaquin River	24	0	0.0%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	3	21.4%

Appendix G. Issues with Non-motorized Boaters (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	0	0.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	0	0.0%
Fresno Slough	1	1	100.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	0	0.0%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	0	0.0%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	1	3.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	3	1.7%
Sacramento-San Joaquin Delta	99	0	0.0%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Excessive/Rude Law Enforcement (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	0	0.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	4	2.2%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	1	6.7%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	4	4.4%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	3	1.7%
Sacramento-San Joaquin Delta	99	2	2.0%
San Joaquin River	24	0	0.0%
San Luis Reservoir	16	2	12.5%
Success Lake	15	1	6.7%
Thermalito Forebay	3	1	33.3%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. I have not experienced problems at this waterway (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	4	13.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	8	29.6%
East Park Reservoir	3	1	33.3%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	19	10.5%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	3	20.0%
Lake McClure	29	6	20.7%
Lake McSwain	9	2	22.2%
Lake Natoma	11	4	36.4%
Lake Oroville	91	24	26.4%
Lake Webb	2	0	0.0%
Lake Woollomes	2	1	50.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	9	22.5%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	4	13.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	20	11.1%
Sacramento-San Joaquin Delta	99	6	6.1%
San Joaquin River	24	2	8.3%
San Luis Reservoir	16	3	18.8%
Success Lake	15	3	20.0%
Thermalito Forebay	3	1	33.3%
Turlock Lake	8	2	25.0%
Woodward Reservoir	14	2	14.3%

Appendix G. Insufficient Water Depth (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	4	13.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	1	50.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	4	100.0%
Feather River	15	6	40.0%
Folsom Lake	181	108	59.7%
Fresno Slough	1	0	0.0%
Hensley Lake	11	8	72.7%
Kaweah Reservoir	10	5	50.0%
Lake Buena Vista	7	1	14.3%
Lake Evans	9	0	0.0%
Lake Isabella	15	8	53.3%
Lake McClure	29	12	41.4%
Lake McSwain	9	1	11.1%
Lake Natoma	11	0	0.0%
Lake Oroville	91	22	24.2%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	5	12.5%
Modesto Reservoir	7	2	28.6%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	11	36.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	35	19.4%
Sacramento-San Joaquin Delta	99	9	9.1%
San Joaquin River	24	4	16.7%
San Luis Reservoir	16	3	18.8%
Success Lake	15	4	26.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	2	25.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Lack of Parking (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	5	16.7%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	1	50.0%
Collins Lake	27	3	11.1%
East Park Reservoir	3	1	33.3%
Eastman Lake	4	0	0.0%
Feather River	15	2	13.3%
Folsom Lake	181	4	2.2%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	1	6.7%
Lake McClure	29	1	3.4%
Lake McSwain	9	1	11.1%
Lake Natoma	11	2	18.2%
Lake Oroville	91	8	8.8%
Lake Webb	2	1	50.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	8	26.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	20	11.1%
Sacramento-San Joaquin Delta	99	7	7.1%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	0	0.0%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Reservations Required (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	0	0.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	3	11.1%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	0	0.0%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	1	14.3%
Lake Evans	9	0	0.0%
Lake Isabella	15	0	0.0%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	1	1.1%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	2	28.6%
Millerton Lake	40	0	0.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	1	0.6%
Sacramento-San Joaquin Delta	99	0	0.0%
San Joaquin River	24	0	0.0%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Poor Water Quality (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	0	0.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	2	7.4%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	3	1.7%
Fresno Slough	1	0	0.0%
Hensley Lake	11	2	18.2%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	5	71.4%
Lake Evans	9	2	22.2%
Lake Isabella	15	3	20.0%
Lake McClure	29	1	3.4%
Lake McSwain	9	1	11.1%
Lake Natoma	11	1	9.1%
Lake Oroville	91	1	1.1%
Lake Webb	2	1	50.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	1	14.3%
Millerton Lake	40	0	0.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	3	37.5%
Pine Flat Lake	30	1	3.3%
Redinger Lake	3	0	0.0%
Sacramento River	180	14	7.8%
Sacramento-San Joaquin Delta	99	16	16.2%
San Joaquin River	24	6	25.0%
San Luis Reservoir	16	1	6.3%
Success Lake	15	1	6.7%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	1	7.1%

Appendix G. Floating Debris (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	0	0.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	2	13.3%
Folsom Lake	181	13	7.2%
Fresno Slough	1	0	0.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	2	13.3%
Lake McClure	29	3	10.3%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	21	23.1%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	1	14.3%
O'Neill Forebay	8	1	12.5%
Pine Flat Lake	30	6	20.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	60	33.3%
Sacramento-San Joaquin Delta	99	45	45.5%
San Joaquin River	24	8	33.3%
San Luis Reservoir	16	0	0.0%
Success Lake	15	2	13.3%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Reckless PWC Operators (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	4	13.3%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	1	3.7%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	1	25.0%
Feather River	15	1	6.7%
Folsom Lake	181	37	20.4%
Fresno Slough	1	0	0.0%
Hensley Lake	11	1	9.1%
Kaweah Reservoir	10	1	10.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	0	0.0%
Lake Isabella	15	1	6.7%
Lake McClure	29	3	10.3%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	8	8.8%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	2	66.7%
Lodi Lake	2	2	100.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	9	22.5%
Modesto Reservoir	7	3	42.9%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	5	16.7%
Redinger Lake	3	0	0.0%
Sacramento River	180	34	18.9%
Sacramento-San Joaquin Delta	99	18	18.2%
San Joaquin River	24	7	29.2%
San Luis Reservoir	16	1	6.3%
Success Lake	15	2	13.3%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	4	28.6%

Appendix G. Issues with Shipping Vessels (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	0	0.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	0	0.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	0	0.0%
Folsom Lake	181	0	0.0%
Fresno Slough	1	0	0.0%
Hensley Lake	11	2	18.2%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	1	11.1%
Lake Isabella	15	0	0.0%
Lake McClure	29	0	0.0%
Lake McSwain	9	0	0.0%
Lake Natoma	11	0	0.0%
Lake Oroville	91	0	0.0%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	0	0.0%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	0	0.0%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	0	0.0%
Sacramento-San Joaquin Delta	99	1	1.0%
San Joaquin River	24	1	4.2%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix G. Lack of Law Enforcement (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Bass Lake	30	0	0.0%
Brite Valley Lake	1	0	0.0%
Butte Creek	2	1	50.0%
Collins Lake	27	0	0.0%
East Park Reservoir	3	0	0.0%
Eastman Lake	4	0	0.0%
Feather River	15	2	13.3%
Folsom Lake	181	6	3.3%
Fresno Slough	1	1	100.0%
Hensley Lake	11	0	0.0%
Kaweah Reservoir	10	0	0.0%
Lake Buena Vista	7	0	0.0%
Lake Evans	9	1	11.1%
Lake Isabella	15	0	0.0%
Lake McClure	29	1	3.4%
Lake McSwain	9	0	0.0%
Lake Natoma	11	1	9.1%
Lake Oroville	91	4	4.4%
Lake Webb	2	0	0.0%
Lake Woollomes	2	0	0.0%
Lake Yosemite	3	2	66.7%
Lodi Lake	2	0	0.0%
Los Banos Creek Reservoir	7	0	0.0%
Millerton Lake	40	1	2.5%
Modesto Reservoir	7	0	0.0%
O'Neill Forebay	8	0	0.0%
Pine Flat Lake	30	0	0.0%
Redinger Lake	3	0	0.0%
Sacramento River	180	17	9.4%
Sacramento-San Joaquin Delta	99	7	7.1%
San Joaquin River	24	3	12.5%
San Luis Reservoir	16	0	0.0%
Success Lake	15	0	0.0%
Thermalito Forebay	3	0	0.0%
Turlock Lake	8	0	0.0%
Woodward Reservoir	14	0	0.0%

Appendix H. Boating Issues Reported by Non-motorized Boaters

Appendix H. Boating Access (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	8	10.5%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	1	25.0%
Cache Creek	9	2	22.2%
Feather River	10	2	20.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	1	50.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	1	2.9%
Sacramento-San Joaquin Delta	42	4	9.5%
Delta-Deep Water Channel	15	3	20.0%
San Joaquin River	9	2	22.2%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Overcrowded (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	14	18.4%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	2	22.2%
Feather River	10	1	10.0%
Folsom Lake	19	3	15.8%
Hensley Lake	2	0	0.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	12	18.5%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	1	50.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	2	5.9%
Sacramento-San Joaquin Delta	42	1	2.4%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Poor Ramp Conditions (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	0	0.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	3	4.6%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	1	50.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	2	5.9%
Sacramento-San Joaquin Delta	42	1	2.4%
Delta-Deep Water Channel	15	2	13.3%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Poor Road Access (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	0	0.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	0	0.0%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Issues with Invasive Species (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	4	5.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	1	5.3%
Hensley Lake	2	1	50.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	8	12.3%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	9	21.4%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	3	33.3%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	2	18.2%
Woodward Reservoir	1	0	0.0%

Appendix H. Issues with Reckless PWC Operatorss (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	4	5.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	2	10.5%
Hensley Lake	2	0	0.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	1	1.5%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	3	60.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	1	50.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	2	5.9%
Sacramento-San Joaquin Delta	42	6	14.3%
Delta-Deep Water Channel	15	3	20.0%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Shipping Vessels (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	0	0.0%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	2	4.8%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Lack of Law Enforcement (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	4	5.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	1	11.1%
Feather River	10	1	10.0%
Folsom Lake	19	2	10.5%
Hensley Lake	2	0	0.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	1	100.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	1	1.5%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	3	8.8%
Sacramento-San Joaquin Delta	42	1	2.4%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	2	22.2%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Lack of Parking (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	8	10.5%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	1	25.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	12	18.5%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	1	100.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	1	50.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	3	8.8%
Sacramento-San Joaquin Delta	42	6	14.3%
Delta-Deep Water Channel	15	2	13.3%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Reservations Required (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	1	1.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	1	2.9%
Sacramento-San Joaquin Delta	42	0	0.0%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Poor Water Quality (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	1	1.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	3	33.3%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	1	50.0%
Lake Isabella	8	1	12.5%
Lake McClure	1	1	100.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	1	1.5%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	2	4.8%
Delta-Deep Water Channel	15	0	0.0%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	2	18.2%
Woodward Reservoir	1	0	0.0%

Appendix H. Floating Debris (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	7	9.2%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	3	15.8%
Hensley Lake	2	1	50.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	11	16.9%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	2	4.8%
Delta-Deep Water Channel	15	2	13.3%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	4	36.4%
Woodward Reservoir	1	0	0.0%

Appendix H. Issues with motorized Boaters (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	3	3.9%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	1	10.0%
Folsom Lake	19	4	21.1%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	1	20.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	3	8.8%
Sacramento-San Joaquin Delta	42	7	16.7%
Delta-Deep Water Channel	15	4	26.7%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Issues with Non-motorized Boaters (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	1	1.3%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	1	50.0%
Lake Natoma	65	2	3.1%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	1	2.9%
Sacramento-San Joaquin Delta	42	0	0.0%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	0	0.0%
Woodward Reservoir	1	0	0.0%

Appendix H. Excessive/Rude Law Enforcement (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	2	2.6%
Avocado Lake	1	0	0.0%
Bass Lake	2	0	0.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	0	0.0%
Folsom Lake	19	0	0.0%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	1	100.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	0	0.0%
Lake Oroville	8	0	0.0%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	0	0.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	0	0.0%
Paradise Lake	5	0	0.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	0	0.0%
Sacramento-San Joaquin Delta	42	1	2.4%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	0	0.0%
Thermalito Afterbay	2	0	0.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	2	18.2%
Woodward Reservoir	1	0	0.0%

Appendix H. I have not experienced problems at this waterway (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
American River	76	14	18.4%
Avocado Lake	1	0	0.0%
Bass Lake	2	1	50.0%
Butte Creek	4	0	0.0%
Cache Creek	9	0	0.0%
Feather River	10	2	20.0%
Folsom Lake	19	2	10.5%
Hensley Lake	2	0	0.0%
Lake Isabella	8	0	0.0%
Lake McClure	1	0	0.0%
Lake McSwain	2	0	0.0%
Lake Natoma	65	10	15.4%
Lake Oroville	8	1	12.5%
Lake Webb (Buena Vista Lake)	1	0	0.0%
Lodi Lake	5	0	0.0%
Los Banos Creek Reservoir	1	1	100.0%
Merced River-Mariposa, Merced	1	0	0.0%
Millerton Lake	3	0	0.0%
Modesto Reservoir	2	0	0.0%
O'Neill Forebay	2	1	50.0%
Paradise Lake	5	2	40.0%
Redinger Lake	1	0	0.0%
Sacramento River	34	5	14.7%
Sacramento-San Joaquin Delta	42	8	19.0%
Delta-Deep Water Channel	15	1	6.7%
San Joaquin River	9	1	11.1%
Thermalito Afterbay	2	2	100.0%
Thermalito Diversion Pool	1	0	0.0%
Thermalito Forebay	11	1	9.1%
Woodward Reservoir	1	0	0.0%

Appendix I. Facilities by Waterway

Appendix I. Existing Boating Facilities & Access on Waterways

Waterways	Boat Launch	Dry Storage	Marina	Mooring Field	Aquatic Center/ BISC	Boating Access	Fuel Dock	Landing/ Boat-In Sites	Marine Services/ Repair	SSR Facility	Yacht Club	Total Facilities Identified
American River	8	0	0	0	0	0	0	0	0	0	0	8
Avocado Lake	1	0	0	0	0	0	0	0	0	0	0	1
Bass Lake	2	1	3	0	0	1	0	0	0	0	0	7
Berenda Reservoir	0	0	0	0	0	1	0	0	0	0	0	1
Brite Valley Lake	1	0	0	0	0	0	0	0	0	0	0	1
Cache Creek	1	1	0	0	0	0	0	0	0	0	0	2
Clear Lake	1	0	0	0	0	0	0	0	0	0	0	1
Collins Lake	1	1	1	1	0	0	0	0	0	0	0	4
Cosumnes River	1	0	0	0	0	0	0	0	0	0	0	1
Courtright Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
East Park Reservoir	0	0	0	0	0	1	0	0	0	0	0	1
Eastman Lake	2	0	0	0	0	0	0	0	0	0	0	2
Feather River	8	0	0	0	1	0	0	0	0	0	0	9
Florence Lake	2	1	0	0	0	0	0	0	0	0	0	3
Folsom Lake	12	1	1	0	0	1	0	0	0	1	1	17
Fresno Slough	1	0	1	0	0	0	0	0	0	0	0	2
Hensley Lake	2	0	0	0	0	1	0	0	0	0	0	3
Kaweah Reservoir	4	0	3	0	0	1	0	1	0	1	0	10
Lake Buena Vista (Webb Lake)	2	0	1	0	0	0	0	0	0	0	0	3
Lake Isabella	7	0	5	1	0	1	0	1	0	1	0	16
Lake McClure	6	1	3	1	0	0	0	0	0	1	0	12
Lake McSwain	1	0	1	0	0	0	0	0	0	0	0	2
Lake Ming	1	0	0	0	0	0	0	0	0	0	0	1
Lake Natoma	3	0	0	0	1	0	0	0	0	0	0	4
Lake Oroville	6	1	3	3	0	0	0	2	0	1	0	16
Lake Woollomes	1	0	0	0	0	0	0	0	0	0	0	1
Lake Yosemite	0	0	1	0	0	0	0	0	0	0	0	1
Lodi Lake	1	0	0	0	0	0	0	0	0	0	0	1
Los Banos Creek Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Millerton Lake	2	1	1	0	0	0	0	0	0	0	0	4
Modesto Reservoir	0	1	1	0	0	0	0	0	0	0	0	2
Oak Grove Lake	0	0	0	0	0	1	0	0	0	0	0	1
O'Neill Forebay	3	0	0	0	0	0	0	0	0	0	0	3
Philbrook Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Pine Flat Lake	2	1	2	0	0	0	0	0	0	1	0	6
Quail Lake	0	0	0	0	0	1	0	0	0	0	0	1
Rancho Seco Lake	1	0	0	0	0	0	0	0	0	0	0	1
Redinger Lake	1	0	0	0	0	0	0	0	0	0	0	1
Sacramento River	21	4	8	1	0	37	0	0	0	0	2	73
Sacramento-San Joaquin Delta	21	18	25	2	0	20	1	0	1	0	16	104
San Joaquin River	7	4	6	1	0	12	1	0	0	0	2	33
San Luis Reservoir	3	0	0	0	0	0	0	0	0	0	0	3
Shaver Lake	0	0	0	0	0	1	0	0	0	0	0	1
Sly Creek Reservoir	1	0	0	0	0	1	0	0	0	0	0	2
Success Lake	1	0	0	0	0	1	0	0	0	0	0	2
Thermalito Afterbay	2	0	0	0	0	0	0	0	0	0	0	2
Thermalito Forebay	3	2	0	0	0	0	0	0	0	0	0	5
Tuolumne River	1	0	0	0	0	2	0	0	0	0	0	3
Turlock Lake	1	0	0	0	0	1	0	0	0	0	0	2
Washington Lake	1	1	0	0	0	0	0	0	0	0	0	2
Woodward Reservoir	5	2	1	1	0	0	0	0	0	0	0	9
Total Count	154	41	67	11	2	84	2	4	1	6	21	393

Appendix J. Launch Locations by Waterway

Appendix J. Launch Locations Reported by Boaters

Launch Locations	Frequency Reported
American River-Sacramento	
Backyard of our home	1
Chile Bar	5
Coloma	4
Discovery Park	1
Greenwood	2
Harington Acces	1
Howe Avenue River Access	4
Lake Natoma	5
Marshall Gold Park	5
Negro Bar	2
Nimbus Flat	3
Nugget	1
River Bend Park	1
Sacramento Bar	2
Sailor Bar	6
Sunrise Bridge	4
Willow Creek	1
Bass Lake	
Ducy's Main Marina	3
Bass Lake CA Main Marina	1
Pine Resort	6
Public Main Launch at Dam	4
The Forks Main Marina	1
Wishon	3
Butte Creek	
Centerivlle Powerhouse	1
Steel Bridge	1
Woodson's Main Marina	1
Cache Creek	
Bear Creek Confluence	6
Redbud Trailhead Parkig area (CA-20)	1
Collins Lake	
Campground	1
Collins Lake Main Marina	20
Dam	1
East Park Reservoir	
South Side	1
West Side of lake... dirt launch area	1

Eastman Lake

Chowchilla Main Launch	1
North Main Launch	1

Feather River

Below Dam	1
Fish Hatchery	3
Gridley Boat Main Launch	1
Riverbend Park	1

Feather River-Butte, Sutter, Yuba

Boyd's Pump	4
City of Gridley Boat Main Launch	2
Diversion Pool	1
Feather River Boat Main Launch in Oroville	1
Free Main Launch at Outlet Hole	1
Riverfront Park in Marysville	1
Star Bend	1
Verona	1

Folsom Lake

Beale's Point	3
Brown's Ravine	49
Dike 8	3
Discovery Park	1
Douglas Boulevard	4
Five Percent Launch	2
Folsom Lake Main Marina	23
Granite Bay Main Launch	73
Main Beach	4
Mormon Island	1
Peninsula Camprground	2
Rattlesnake Bar	16

Fresno Slough

Mendota Wildlife Area	1
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Hensley Lake

Hidden View	3
Main Launch	2
North Main Launch	1
Vista Point	1
West Launch	1

Kaweah Reservoir

Main Launch	7
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Lake Buena Vista

Main Launch	4
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Lake Isabella

Auxiliary Dam Main Launch	3
Coral Creek	1
Dam	4
French Gulch	1
Kissack Cove	1
lake Shore	1
Launch	1
Main Launch	1
Paradise Cove	1
Tillie Creek	1

Lake McClure

Bagbee	1
Barrett Cove	9
Horseshoe Bend	2
Lake McClure Boat Club private Main Launch	1
Main Launch	3
McClure Point	7
Pay at Park Gate Entrance	1
Spillway	1
Store Launch	1

Lake McSwain

Glory Hole	1
Lake McSwain Boat Main Launch	3

Lake Natoma

Beach	4
CSUS Aquatic Center	5
Deer Creek	1
Folsom Flats	1
Folsom Point	1
From Boat Main Launch	1
Hazel Ave	1
Lake Natoma Entrance	4
Negro Bar	6
Nimbus Flat State Park	11
Shoreline	4
State Park	3
Willow Creek	2

Lake Oroville

Bidwell Canyon Main Marina	23
Dam Launch Area	14
Enterprise Landing	1
Forebay	2

Lake Oroville State Recreation Area	2
Lime Saddle Main Marina	28
Loafer Creek	2
Mooring	1
Spillway Main Launch	11
Lake Webb	
Main Launch	2
Lake Webb (Buena Vista Lake)	
Side of River	1
Lake Yosemite	
From my Main Marina Slip	1
Lake Yosemite	1
Main Launch	1
Lodi Lake	
Kayak Main Launch	1
Lake Edge	1
Lodi Boat House	2
Mokelumne Fish Hatchery	1
Los Banos Creek Reservoir	
Beach	1
Los Banks Creek Res	2
Main Launch	1
Merced River-Mariposa, Merced	
Red Bud	1
Millerton Lake	
Campground Side	1
Fresno Side State park	6
Madera Side	4
Millerton Main Marina	11
Millerton State Park	1
North Shore in Meadows	2
Park Ranger Entrance	1
Public Main Launch	4
South Shore	1
Winchell Cove	1
Modesto Reservoir	
Main Boat Main Launch	4
West Boat Main Launch	1
O'Neill Forebay	
Foreman Creek	1
Oneill Forebay Main Launch	4
San Luis Creek	1

Paradise Lake

Main Boat Launch	1
Official Main Launch	1

Pine Flat Lake

Basalt Main Launch	1
Deer Creek	9
Island Park Main Marina	6
Lake Ridge Main Marina	1
Main Launch	5
Trimmer Main Marina	2

Redinger Lake

Official Main Launch	1
Reading Ear launch	1

Sacramento River

4th Street Launch	1
Anderson River Park	2
Antioch Main Marina	1
B & W Resort, Isleton, CA	3
Bend Main Launch	2
Big Break Main Marina	1
Boathouse Main Marina, Walnut Grove	1
Bonneyview Boat Main Launch	3
Brannan Island	1
Broderick Boat Main Launch	5
Caldwell Park Main Launch, Redding, CA	1
Colusa	1
Cosumnes Preserve Boat Main Launch	1
Deep Channel on Jefferson	1
Delta Main Marina, Rio Vista, Ca.	2
Discovery Park	33
Dunsmir Park	1
Elk Horn Boat Main Launch	13
Ervin Finch Hamilton City	1
Finch River Access	1
Fish Hatchery	1
Folsom	1
Garcia Bend	14
Garden Hwy/I-80	1
Hamilton City State Main Launch	2
Hogback Island Recreation Facility	4
Honkercut	1
Irvine Finch River Access	3
Jelly's Ferry Bridge	1

Knights Landing	4
Korths Pirate Cove Main Marina	1
Lauritzen Yacht Harbor	1
Maridian	1
Miller Park	14
New Hope Main Marina	2
Ord Bend Park	3
Orwood Resort	1
Owl Harbor	1
OxBow Main Marina	1
Pine Creek State Park boat Main Launch	1
Pittsburg Main Marina	1
Posse Grounds in Redding	2
Rio Vista	2
Rodeo Grounds	1
Roosters Landing	1
Russo's Main Marina, Bethel Island, CA	1
Sacramento Main Marina	6
Sacramento Yacht Club	1
Scotty's Boat Landing - Main Launch	3
Sherman Island	1
Sims Campground	1
Steelhead Lodge	2
Tehama County Park Los Moinos	1
Mooring	1
Tisdale	3
Verona Main Marina	9
Vieras Main Marina	1
Village West Main Marina	1
Ward's Landing	1
Washington Outboard Club Main Launch	1
Woodson Bridge Recreation Area	3

Sacramento-San Joaquin Delta

Antioch Main Marina	6
Aquatic Park, SF	1
B & W Resort, Isleton	6
Beldins Landing	1
Bethel Harbor	1
Big Break Regional Shoreline	3
Bobs Main Marina	1
Brannan Island	5
Bruno's Island	1
Buckley Cove Park	8

Clarksburg Launch	1
Collinsville	1
Dads Point	1
Delta	2
Discovery Bay Main Marina	7
Downtown Stockton Main Marina	1
Garcia Bend	1
Golden Anchor Boat Club	1
Holland Riverside Main Marina	5
King Island	1
Korth's Pirates Lair	1
Ladd's Main Marina	2
Lauritzen Main Marina	1
Lazy M Main Marina	2
Mooring in Discovery Bay	1
Martinez	1
Miller Park	2
Monte Diablo/Pixie Woods	1
Mossdale Boat Main Launch	3
New Hope Main Marina	2
Orowood Resort	4
Owl Harbor Main Marina	1
Ox Bow Main Marina	1
Paradise Point	4
Rio Vista	2
Riverpoint Main Marina	2
Rivers End Main Marina	1
Sacramento Main Marina	1
Sherman Island Access Kite Launch	1
Stockton	1
Tiki Lagoon	1
Tower Park Main Marina	3
Tracy Wildlife Association	2
Turner Cut Resort	1
Vieira's Resort 15476 Highway 160 Iselton, Ca 95641	2
Walnut Grove Main Marina	1
Willow Creek	1
Wimpy's	1
Windmill Cove	1
Sacramento-San Joaquin Delta-Deep Water Channel	
Barge Canal Access	1
Buckley Cove	3
County Park	1

Delta	1
Mokelumne Bird Sanctuary	1
Park Nearby	1
Sherman Island County Park	1

San Joaquin River

Below Ned's	1
Bethel Harbor	1
Brannan Island	2
Buckley Cove Park	1
City of Stockton Main Launchs	1
Discovery Bay Main Marina	1
Dos Reis	1
Fort Washington Beach	1
Lazy M, Dels, Orwood	1
Lost Lake Park	1
Louis Park	1
Mossdale, Tracy	2
Orwood Resort Main Marina	1
Ox Bow Main Marina	1
Riverpoint Main Marina	1
Turner Cut	1

San Luis Reservoir

Basalt Main Launch	3
Dinosaur Point	5
Hand Launch in Forbay on Maderis Side	1
Main Boat Launch	3
Near the Ranger Station	1

Success Lake

Main Launch	3
PARK Side	1
Rocky Hill	1
South Side	1
Tule Point	1
Upper Main Launch	1

Thermalito Afterbay

South Wilbur Road	1
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Thermalito Forebay

By the Boathouse	1
Main Launch at Forebay Acuatic Center	2
Main Rowing Main Launch	2
Monument Launch Area	1
Thermolito Forebay Main Launch	1

Turlock Lake

Main Launch	3
New Hogan Lake Launch	1

Woodward Reservoir

Back Main Launch	1
Bayview	1
Fort Washington	1
Main Launch Pad near Fisher Point	4
Windmill Cove	1
Woodward Launch	2

Total Count = 928