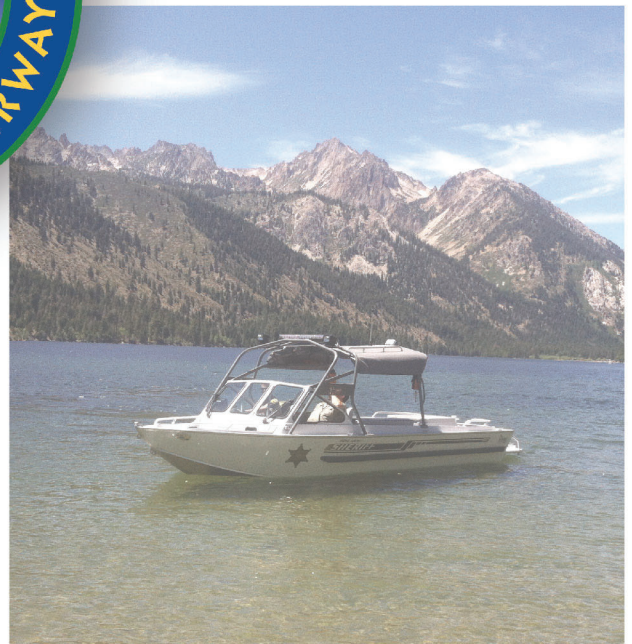


CALIFORNIA BOATING FACILITIES NEEDS ASSESSMENT

2019



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CBFNA

VOLUME VII



**GREATER SAN
FRANCISCO
BAY AREA**

CALIFORNIA BOATING FACILITIES NEEDS ASSESSMENT



CALIFORNIA BOATING FACILITIES NEEDS ASSESSMENT

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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 VII: Greater San Francisco Bay Area*, 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 Greater San Francisco Bay Area region is comprised of nine counties: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma. Within this region, 67 waterways have been identified as having recreational opportunities for motorized and/or non-motorized boaters (Table 1). Fifteen of these waterways are part of the San Francisco Bay.



Table 1. Waterways in the Region

Waterways		
Aliviso Slough/Guadalupe River	Lake Hennessey	San Francisco Bay-Islais Creek
Anderson Lake	Lake Merced	San Francisco Bay-North Bay
Berkeley Aquatic Lagoon	Lake Merritt	San Francisco Bay-Oakland Estuary
Bethany Reservoir	Lake Ralphine	San Francisco Bay-Oyster Point
Bodega Bay	Lake Solano/Putah Creek	San Francisco Bay-Redwood City Channel
Bolinas Lagoon	Lake Sonoma	San Francisco Bay-San Leandro Bay
Briones Reservoir	Lexington Reservoir	San Francisco Bay-San Mateo Marina Lagoon
Calero Reservoir	Mare Island Strait	San Francisco Bay-San Rafael Canal
Carquinez Strait	Napa River	San Francisco Bay-Smith Slough
Chesbro Reservoir	Pacific Ocean	San Francisco Bay-South Bay
Clifton Court Forebay	Pacific Ocean-Half Moon Bay	San Francisco Bay-West
Contra Loma Reservoir	Petaluma River	San Pablo Bay
Corte Madera Creek	Pillar Point Harbor	San Pablo Reservoir
Coyote Lake	Quarry Lakes	San Rafael Creek
Del Valle Reservoir	Redwood Creek	Santa Fe Channel
Drakes Estero	Richardson Bay	Shadow Cliffs Lake
Foster City Lagoon	Rush Creek	Spring Lake
Lafayette Reservoir	Russian River	Steven's Creek Reservoir
Lagoon Valley Lake	San Francisco Bay-Alameda Bay	Suisun Bay
Lake Berryessa	San Francisco Bay-Coyote Point	Tomaes Bay
Lake Chabot	San Francisco Bay-East Bay	Uvas Reservoir
Lake Cunningham	San Francisco Bay-Horseshoe Cove	Vasona Lake
Lake Elizabeth		

Total Count = 67

Motorized Boater Survey

For the Greater San Francisco Bay Area region, a total of 628 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 Contra Costa, followed by Santa Clara, Alameda, and Sonoma (Table 2).

Participants' Characteristics & Boat Ownership

This results section provides information on 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 questions. Questions included ones related to gender, age, number of adults and children in the household, income, education level, ethnicity, and primary language spoken. The demographic questions were voluntary, and over half of the respondents (approximately 56%) chose to answer these questions.

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

The average age is 75, and the median is 73 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	37	10.4%
2	252	71.0%
3	39	11.0%
4+	27	7.6%

N = 355

Table 2. Counties Where Respondents Reside

County	Respondents	Percent
Alameda	102	16.2%
Contra Costa	139	22.1%
Marin	37	5.9%
Napa	14	2.2%
San Francisco	29	4.6%
San Mateo	59	9.4%
Santa Clara	120	19.1%
Solano	51	8.1%
Sonoma	77	12.3%

N = 628

Table 3. Gender of Survey Respondents

Gender	Respondents	Percent
Female	28	8.0%
Male	323	92.0%

N = 351

Table 4. Age of Survey Respondents

Age Range	Respondents	Percent
40-49	11	3.1%
50-59	19	5.4%
60-69	90	25.4%
70-79	116	32.8%
80-89	103	29.1%
Over 89	15	4.2%

N = 354

Table 6. Number of Children in Household

Children	Respondents	Percent
0	288	81.4%
1	27	7.6%
2	26	7.3%
3	9	2.5%
4+	4	1.1%

N = 354

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	22	6.1%
\$25,000 - \$49,999	21	5.9%
\$50,000 - \$74,999	50	14.0%
\$75,000 - \$99,999	54	15.1%
\$100,000 - \$124,999	43	12.0%
\$125,000 - \$149,999	23	6.4%
\$150,000 - \$174,999	31	8.7%
\$175,000 - \$199,999	29	8.1%
\$200,000 or more	85	23.7%

N = 358

The majority of respondents (78.3%) 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	125	34.9%
2	222	62.0%
3+	11	3.1%

N = 358

Table 9. Participants' Highest Education Level Completed

Education Level	Respondents	Percent
Did not complete high school	4	1.1%
High School	53	14.9%
2-Year College Degree	67	18.9%
4-Year College Degree	105	29.6%
Graduate School	106	29.9%
Other	20	5.6%

N = 355

Table 10. Ethnicity of Survey Respondents

Ethnicity	Respondents	Percent
White	301	87.8%
Asian	16	4.7%
Prefer not to answer	8	2.3%
African American	5	1.5%
Native American	4	1.2%
Pacific Islander	4	1.2%
Hispanic or Latino	4	1.2%
Biracial/multiracial	1	0.3%

N = 343

Table 11. Primary Language of Survey Respondents

Primary Language	Respondents	Percent
English	346	97.5%
Other	8	2.3%
Spanish	1	0.3%

N = 355

Boat Ownership of Study Participants

Respondents were asked how many motorized boats they owned. The large majority (73.9%) 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 55.1% of the registered boat owners reported a powerboat as their primary boat. Sailboats over 8 feet with auxiliary were the second most frequently reported boat (Table 13).

Participants were also asked how many non-motorized boats they own (Table 14). Approximately, 51.8% of the survey respondents did not own a non-motorized boat, while the other 48.2% reported owning a non-motorized watercraft. Those respondents not owning a non-motorized boat were asked if they were interested in non-motorized boating, and 53.2% indicated interest (Table 15).

Table 15. Interest in Non-Motorized Boating Activities

Interest	Respondents	Percent
No	152	46.8%
Yes	173	53.2%

N = 325

Table 12. Number of Motorized Boats Owned

Number of Boats	Respondents	Percent
1	453	73.9%
2	106	17.3%
3	38	6.2%
4	13	2.1%
5+	3	0.5%

N = 613

Table 13. Primary Motorized Boat

Types of Boats	Respondents	Percent
Powerboat	334	55.1%
Sailboat (> 8 ft) w/ aux	68	11.2%
Bass boat / jon boat	52	8.6%
Cabin cruiser	51	8.4%
Rowboat (w/ motor)	32	5.3%
Other	26	4.3%
Inflatable w/ motor	18	3.0%
Pontoon boat	14	2.3%
Houseboat	9	1.5%
Sailboat (< 8 ft)	1	0.2%
Rowboat (w/o motor)	1	0.2%

N = 606

Table 14. Number of Non-Motorized Boats

Number of Boats	Respondents	Percent
0	325	51.8%
1	129	20.5%
2	92	14.6%
3	43	6.8%
4	18	2.9%
5+	21	3.3%

N = 628



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 95.3%) reported “no” (Table 17).

Table 17. Boat as Primary Residence

Primary Residence	Respondents	Percent
No	590	95.3%
Yes	29	4.7%

N = 619

Table 16. Secondary Boat Types

Boat Type	Respondents	Percent
Kayak	114	33.7%
Other	44	13.0%
Powerboat	42	12.4%
Inflatable w/ motor	26	7.7%
Rowboat (w/ motor)	25	7.4%
Canoe	22	6.5%
Sailboat (> 8 ft) w/ aux	15	4.4%
Rowboat (w/o motor)	10	3.0%
Paddleboard	10	3.0%
Pontoon boat	9	2.7%
Bass boat / jon boat	7	2.1%
Sailboat (< 8 ft)	4	1.2%
Windsurfer	4	1.2%
Cabin cruiser	3	0.9%
Houseboat	2	0.6%
Barge	1	0.30%

N = 338



Non-Motorized Boater Survey

For the Greater San Francisco Bay Area region, a total of 600 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.

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. The demographic questions were voluntary, and just over half of the respondents (approximately 66%) chose to answer these questions.

Of those who chose to disclose his/her gender, there was a slightly higher number of males (53.0%) compared to females (45.4%) (Table 19).

The average age is 53, and the median is 56 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	99	25.4%
2	235	60.4%
3	43	11.1%
4	12	3.1%

N = 389

Table 18. Counties Where Respondents Reside

County	Respondents	Percent
Alameda	157	26.2%
Sonoma	116	19.3%
San Francisco	107	17.8%
Contra Costa	70	11.7%
Santa Clara	47	7.8%
San Mateo	42	7.0%
Marin	34	5.7%
Solano	17	2.8%
Napa	10	1.7%

N = 600

Table 19. Gender of Survey Respondents

Gender	Respondents	Percent
Female	179	45.4%
Male	209	53.0%
Prefer not to say	6	1.5%

N = 394

Table 20. Age of Survey Respondents

Age Range	Respondents	Percent
18-29	26	6.60%
30-39	49	12.44%
40-49	62	15.74%
50-59	102	25.89%
60-69	116	29.44%
70-79	36	9.14%
80-96	3	0.76%

N = 394

394

Table 22. Number of Children in Household

Children	Respondents	Percent
0	315	82.5%
1	33	8.6%
2	25	6.5%
3	9	2.4%

N = 389

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.

The majority of respondents (91.7%) 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 survey respondents can be found in Table 26 and Table 27, respectively.



Table 26. Ethnicity of Survey Respondents

Ethnicity	Respondents	Percent
White	275	71.4%
Asian	62	16.1%
Bi/multiracial	19	4.9%
Prefer not to say	11	2.9%
Hispanic or Latino	8	2.1%
Native Hawaiian or Pacific Islander	8	2.1%
Black or African American	1	0.3%
American Indian or Alaska Native	1	0.3%

N = 385

Table 23. Total Household Income (Before Taxes)

Income Range	Respondents	Percent
under \$25,000	23	5.7%
\$25,000 - \$49,999	32	7.9%
\$50,000 - \$74,999	52	12.9%
\$75,000 - \$99,999	74	18.4%
\$100,000 - \$124,999	63	15.6%
\$125,000 - \$149,999	42	10.4%
\$150,000 - \$174,999	35	8.7%
\$175,000 - \$199,999	24	6.0%
\$200,000 or more	58	14.4%

N = 403

Table 24. Number Contributing to Household Income

Earners	Respondents	Percent
1	148	39.1%
2	224	59.1%
3	7	1.8%

N = 379

Table 25. Participants' Highest Education Level Completed

Education Level	Respondents	Percent
High School	22	5.6%
2-Year College Degree	32	8.1%
4-Year College Degree	149	37.6%
Graduate School	182	46.0%
Other	11	2.8%

N = 396

Table 27. Primary Language of Survey Respondents

Primary Language	Respondents	Percent
English	383	97.0%
Cantonese	3	0.8%
Other	2	0.5%
French	2	0.5%
Mandarin	2	0.5%
Russian	1	0.3%
Vietnamese	1	0.3%
Spanish	1	0.3%

N = 395

Boat Ownership/Rentals of Study Participants

Respondents were asked if they owned, rented, or both owned and rented non-motorized boats. The majority (85.3%) indicated owning a boat(s) (Table 28).

For those owning a non-motorized watercraft, they were asked how many non-motorized boats they own. Approximately, 74.8% reported owning two or more boats (Table 29).

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

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

Table 30. Boat Types Owned by Participants

Boat Type	Responses	Percent
Stand up paddleboard (SUP)	175	16.6%
Outrigger canoe	149	14.2%
Ocean kayak (touring)	118	11.2%
River kayak	116	11.0%
Ocean kayak (sit on top)	95	9.0%
Canoe	88	8.4%
Inflatable kayak	68	6.5%
Whitewater raft	44	4.2%
Rowboat	33	3.1%
Scull/shell	31	2.9%
Windsurfer	31	2.9%
Dragon boat	30	2.9%
Sailboat (<8 ft)	27	2.6%
Prone paddleboard	19	1.8%
Kitesurfer	11	1.0%
Surfski /surf kayak	8	0.8%
Dinghy/small raft	5	0.5%
Dory	4	0.4%

Total Count = 1,052

Table 28. Own vs. Rent Boats

Number of Boats	Respondents	Percent
Both Rent and Own	81	13.5%
Own	431	71.8%
Rent	88	14.7%

N = 600

Table 29. Number of Non-Motorized Boats Owned

# of Boats Owned	Respondents	Percent
1	125	25.2%
2	81	16.3%
3	76	15.3%
4	61	12.3%
5	37	7.4%
6 - 10	80	16.1%
11 or more	37	7.4%

N = 497

Table 31. Boat Types Rented by Participants

Boat Type	Responses	Percent
Stand up paddleboard (SUP)	50	14.7%
Ocean kayak (sit on top)	48	14.2%
Dragon boat	43	12.7%
Outrigger canoe	43	12.7%
Canoe	34	10.0%
Ocean kayak (touring)	25	7.4%
Scull/shell	23	6.8%
River kayak	16	4.7%
Sailboat (<8 ft)	16	4.7%
Whitewater raft	11	3.2%
Rowboat	7	2.1%
Windsurfer	7	2.1%
Inflatable kayak	5	1.5%
Dory	4	1.2%
Kitesurfer	3	0.9%
Prone paddleboard	2	0.6%
Surfski /surf kayak	2	0.6%
Dinghy/small raft	0	0.0%

Total Count = 339

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, San Francisco Bay-East Bay represents 10% (2 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, San Francisco Bay-West Bay represents 15% (3 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
San Francisco Bay-East Bay		
San Francisco Bay- West Bay		
Pacific Ocean		
San Francisco Bay-North Bay		
San Francisco Bay- South Bay		
Oakland Estuary (East Bay)		
Lake Berryessa		
Horseshoe Cove (West Bay)		
Lake Merced		
Tomaes Bay		
Lake Sonoma		
Anderson Lake		
Suisun Bay		
San Pablo Bay		
Carquinez Strait		
Del Valle Reservoir		
Calero Reservoir		
Petaluma River		
Lake Merritt		
Alameda Harbor (East Bay)		

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, sailboats (over 8 feet with auxiliary) represent 55% and powerboats represent 28% of the total number of boat types reported on San Francisco Bay-East Bay. The remaining 17% 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
San Francisco Bay-East Bay	Sailboat (> 8 ft) w/ aux (55%) Powerboat (28%)	Ocean Kayak (33%) Sailboat < 8 ft, Windsurfer, Kitesurfer (18%) Dragon Boat (17%) Outrigger Canoe (13%)
San Francisco Bay-West Bay	Sailboat (> 8 ft) w/ aux (57%) Powerboat (26%)	Ocean Kayak (28%) Outrigger Canoe (28%) Stand Up Paddleboard (13%)
Pacific Ocean	Powerboat (78%)	Ocean Kayak (81%)
San Francisco Bay-North Bay	_____	Ocean Kayak (44%) Outrigger Canoe (16%) Scull or Shell Boat (9%)
San Francisco Bay-South Bay	Sailboat (> 8 ft) w/ aux (44%) Powerboat (22%)	Outrigger Canoe (29%) Stand Up Paddleboard (18%) Ocean Kayak (16%) Dragon Boat (16%)
Oakland Estuary (East Bay)	Sailboat (> 8 ft) w/ aux (48%) Powerboat (29%)	Dragon Boat (47%) Ocean Kayak (32%)
Lake Berryessa	Powerboat (74%) Bass Boat / Jon Boat (11%)	_____
Horseshoe Cove (West Bay)	Sailboat (> 8 ft) w/ aux (57%) Powerboat (28%)	_____
Lake Merced	_____	Dragon Boat (82%) Outrigger Canoe (16%)
Tomales Bay	_____	Ocean Kayak (68%) Rowboat, Dinghy, Small Raft (13%)
Lake Sonoma	Powerboat (48%) Bass Boat / Jon Boat (19%) Rowboat w/ motor (19%)	_____
Anderson Lake	Powerboat (81%)	_____
Suisun Bay	Powerboat (70%)	_____

San Pablo Bay	Powerboat (53%) Sailboat (> 8 ft) w/ aux (26%)	_____
Carquinez Strait	Cabin Cruiser (47%) Sailboat (> 8 ft) w/ aux (24%)	_____
Del Valle Reservoir	Powerboat (60%) Bass Boat / Jon Boat (20%)	_____
Calero Reservoir	Powerboat (64%)	_____
Petaluma River	Powerboat (46%) Bass Boat / Jon Boat (23%)	_____
Lake Merritt	_____	Scull or Shell Boat (59%) Dragon Boat (24%)
Alameda Harbor (East Bay)	_____	Outrigger Canoe (31%) Ocean Kayak (17%) Dragon Boat (17%)

Motorized: Total Count of Responses = 563

Non-motorized: Total Count of Responses = 748

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.*

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, Alameda Harbor 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
Alameda Harbor	
Anderson Lake	
Bodega Bay	
Bolinas Lagoon	
Calero Reservoir	
Carquinez Strait	
Contra Loma Reservoir	
Corte Madera Creek	
Coyote Lake	
Del Valle Reservoir	
Drakes Estero	
Foster City Lagoon	
Lafayette Reservoir	
Lake Berryessa	
Lake Chabot	
Lake Hennessey	
Lake Merced	
Lake Merritt	
Lake Ralphine	
Lake Solano	
Lake Solano/Putah Creek	
Lake Sonoma	
Lexington Reservoir	
Mare Island Strait	
Montezuma Slough	
Napa River	
Oakland Estuary	
Pacific Ocean	

Waterway	Watercrafts
Pacific Ocean-Half Moon Bay	
Petaluma River	
Pillar Point Harbor	
Redwood City Channel	
Richardson Bay	
Russian River	
SF Bay-East Bay	
SF Bay-Horseshoe Cove	
SF Bay-Islands Creek	
SF Bay-North Bay	
SF Bay-Oyster Point	
SF Bay-San Mateo Marina Lagoon	
SF Bay-San Rafael Canal	
SF Bay-Smith Slough	
SF Bay-South Bay	
SF Bay-West Bay	
San Leandro Bay	
San Pablo Bay	
San Pablo Reservoir	
Shadow Cliffs Lake	
Spring Lake	
Stevens Creek Reservoir	
Suisun Bay	
Suisun Slough	
Tomales Bay	
Uvas Reservoir	
Vasona Lake	

Total Count of Responses = 1,075

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
San Francisco Bay-East Bay	Restrooms (25%) Parking (23%) Boating Access (22%)	Day Docks (short-term) (19%) Marinas (slips) (11%) Transient Facilities/Tie-Ups (10%)	Launch Spots (by hand) (26%) Access to Fresh Water (15%) Landings (14%)
San Francisco Bay-West Bay	Restrooms (27%) Parking (22%) Boating Acces (17%)	Day Docks (short-term) (16%) Marinas (slips) (13%) Landings/Boat-In Sites (10%) Transient Facilities/Tie-Ups (10%)	Launch Spots (by hand) (22%) Landings (15%) Access to Fresh Water (14%)
Pacific Ocean	Boating Access (27%) Restrooms (22%) Showers (20%)	Launch Ramps (21%) Day Docks (short-term) (13%) Floating Docks/Piers (13%)	Boat-In Campsites (27%) Launch Spots (by hand) (23%) Access to Fresh Water (23%)
San Francisco Bay-North Bay	Restrooms (29%) Boating Access (24%) Parking (21%)	_____	Launch Spots (by hand) (21%) Landings (17%) Boat-In Campsites (15%) Boat-In Day-Use Areas (15%)

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.

San Francisco Bay-South Bay	Restrooms (33%) Parking (22%) Boating Access (17%) Showers (7%)	Day Docks (short-term) (13%) Launch Ramps (13%) Marine Service & Repairs (13%) Transient Facilities/Tie-Ups (13%)	Landings (20%) Access to Fresh Water (20%) Launch Spots (by hand) (15%)
Oakland Estuary (East Bay)	Restrooms (26%) Parking (25%) Boating Access (20%)	Day Docks (short-term) (16%) Marinas (slips) (13%) Pump-Out Stations (13%)	Launch Spots (by hand) (21%) Landings (18%) Access to Fresh Water (15%) Launch Spots (other ways) (15%)
Lake Berryessa	Boating Access (25%) Restrooms (21%) Parking (20%)	Launch Ramps (27%) Marinas (slips) (14%) Day Docks (short-term) (10%)	Boat-In Campsites (40%) Boat-In Day-Use Areas (27%) Launch Spots (by hand) (20%)
Horseshoe Cove (West Bay)	_____	_____	Access to Fresh Water (42%) Launch Spots (by hand) (25%)
Lake Merced	Parking (26%) Restrooms (20%) Boating Access (19%)	_____	Landings (42%) Launch Spots (by hand) (22%)
Tomales Bay	Parking (32%) Restrooms (25%) Boating Access (22%)	Launch Ramps (29%)	Launch Spots (by hand) (24%) Boat-In Campsites (19%) Landings (18%)
Lake Sonoma	Restrooms (42%) Parking (16%) Boating Access (13%) Navigation Aids (13%)	Day Docks (short-term) (31%) Launch Ramps (19%) Landings/Boat-In Sites (16%)	Launch Spots (by hand) (36%) Access to Fresh Water (18%) Boat-In Campsites (18%) Launch Spots (other ways) (18%)
Anderson Lake	Boating Access (29%) Restrooms (19%) Parking (14%) Supply Stores (14%)	Day Docks (short-term) (19%) Landings/Boat-In Sites (16%)	Boat-In Campsites (67%) Boat-In Day-Use Areas (33%)
Suisun Bay	Restrooms (31%) Boating Access (19%) Supply Stores (16%)	Fish Cleaning Stations (18%) Launch Ramps (18%) Boarding Floats (14%) Floating Docks/Piers (14%)	Access to Fresh Water (67%) Launch Spots (by hand) (33%)
San Pablo Bay	Boating Access (25%) Restrooms (25%) Navigation Aids (18%)	Launch Ramps (17%) Fish Cleaning Stations (14%)	Access to Fresh Water (36%) Boat-In Campsites (27%) Boat-In Day-Use Areas (18%) Launch Spots (by hand) (18%)
Carquinez Strait	Boating Access (29%) Restrooms (21%) Emergency Services (18%)	Day Docks (short-term) (13%) Floating Docks/Piers (10%) Landings/Boat-In Sites (10%) Marinas (slips) (10%) Mooring Fields (10%)	Launch Spots (by hand) (31%) Boat-In Day-Use Areas (23%) Access to Fresh Water (23%)
Del Valle Reservoir	Restrooms (43%)	Fish Cleaning Stations (29%)	Boat-In Campsites (50%) Landings (20%) Launch Spots (by hand) (20%)

Calero Reservoir	Restrooms (45%) Parking (18%)	Day Docks (short-term) (25%) Fish Cleaning Stations (13%) Marinas (slips) (13%) Mooring Fields (13%) Utilities (13%)	Launch Spots (by hand) (38%) Boat-In Day-Use Areas (25%) Access to Fresh Water (25%)
Petaluma River	Boating Access (26%) Restrooms (26%) Parking (17%)	Launch Ramps (27%) Day Docks (short-term) (13%) Floating Docks/Piers (13%) Landings/Boat-In Sites (13%)	Boat-In Day-Use Areas (23%) Landings (18%) Launch Spots (by hand) (18%) Access to Fresh Water (18%)
Lake Merritt	Parking (36%) Restrooms (32%) Showers (11%)	_____	Security (38%) Launch Spots (other ways) (25%) Access to Fresh Water (13%)
Alameda Harbor (East Bay)	Restrooms (36%) Parking (22%) Boating Access (14%) Showers (14%)	Day Docks (short-term) (19%) Launch Ramps (19%) Fish Cleaning Stations (13%) Utilities (13%)	Launch Spots (by hand) (26%) Access to Fresh Water (17%) Launch Spots (other ways) (14%)

Shared Facility Needs: Total Count of Responses = 1,231

Motorized Facility Needs: Total Count of Responses = 739

Non-motorized Facility Needs: Total Count of Responses = 588

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
San Francisco Bay-East Bay	Have Not Experienced Any Problems (35%) Floating Debris (15%)	Have Not Experienced Any Problems (25%) Lack of Parking (14%) Poor Ramp Condition (10%)
San Francisco Bay-West Bay	Have Not Experienced Any Problems (31%) High Facility Use Fee (13%) Issues with Motorized Boaters (9%)	Lack of Parking (32%) Have Not Experienced Any Problems (19%) Difficult to Access Waterway (9%)
Pacific Ocean	Poor Ramp Condition (29%) Lack of Parking (14%) Poor Road Access (14%) Insufficient Water Depth (14%) Have Not Experienced Any Problems (14%)	Have Not Experienced Any Problems (50%) Lack of Parking (14%) Overcrowding (14%)
San Francisco Bay-North Bay	_____	Lack of Parking (22%) Have Not Experienced Any Problems (17%) Floating Debris (16%)
San Francisco Bay-South Bay	Have Not Experienced Any Problems (28%) Insufficient Water Depth (17%) Lack of Parking (11%) Floating Debris (11%)	Have Not Experienced Any Problems (40%) Lack of Parking (15%) Poor Water Quality (15%)
Oakland Estuary (East Bay)	Have Not Experienced Any Problems (38%) Floating Debris (19%) Lack of Parking (12%) High Facility Use Fee (12%)	Lack of Parking (18%) Poor Water Quality (18%) Floating Debris (18%)
Lake Berryessa	Poor Ramp Condition (24%) Lack of Parking (19%) Insufficient Water Depth (16%)	Invasive Species (100%)

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.

Horseshoe Cove (West Bay)	_____	_____
Lake Merced	_____	Lack of Parking (26%) Poor Ramp Condition (23%) Overcrowding (19%)
Tomales Bay	Have Not Experienced Any Problems (38%) Poor Ramp Condition (15%)	Lack of Parking (36%) Have Not Experienced Any Problems (20%) Overcrowding (14%)
Lake Sonoma	Have Not Experienced Any Problems (20%) Overcrowding (17%) Reckless PWC Operators (17%)	Issues with Motorized Boaters (50%) Overcrowding (17%) Reckless PWC Operators (17%) Have Not Experienced Any Problems (17%)
Anderson Lake	Insufficient Water Depth (24%) Overcrowding (22%) Reservations Required (20%)	_____
Suisun Bay	Insufficient Water Depth (18%)	Lack of Law Enforcement (50%) Poor Water Quality (25%) Reckless PWC Operators (25%)
San Pablo Bay	Have Not Experienced Any Problems (50%) Insufficient Water Depth (15%) Poor Ramp Condition (10%) Poor Water Quality (10%)	Reckless PWC Operators (25%) Invasive Species (25%) Difficult to Access Waterway (25%) Have Not Experienced Any Problems (25%)
Carquinez Strait	Have Not Experienced Any Problems (29%) Poor Ramp Condition (17%) High Facility Use Fee (13%) Insufficient Water Depth (13%)	Poor Ramp Condition (40%) Have Not Experienced Any Problems (40%) Issues with Motorized Boaters (20%)
Del Valle Reservoir	Insufficient Water Depth (31%) Poor Water Quality (23%) Have Not Experienced Any Problems (15%)	Have Not Experienced Any Problems (50%) Lack of Parking (17%) Floating Debris (17%) Difficult to Access Waterway (17%)
Calero Reservoir	Overcrowding (24%) Reckless PWC Operators (14%)	Overcrowding (33%) Issues with Motorized Boaters (33%) Reckless PWC Operators (33%)
Petaluma River	Poor Water Quality (27%) Insufficient Water Depth (20%) Issues with Non-motorized Boaters (13%) Have Not Experienced Any Problems (13%)	Poor Water Quality (25%) Floating Debris (19%) Difficult to Access Waterway (19%)
Lake Merritt	_____	Lack of Parking (23%) Have Not Experienced Any Problems (17%) Poor Water Quality (14%)
Alameda Harbor (East Bay)	Lack of Parking (22%) Issues with Non-motorized Boaters (22%)	Have Not Experienced Any Problems (33%) Poor Ramp Condition (25%) Floating Debris (13%) Difficult to Access Waterway (13%)

Motorized Perspective: Total Count of Responses = 536

Non-motorized Perspective: Total Count of Responses = 547

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
San Francisco Bay-East Bay	Close to Home (28%) Scenery / Natural Beauty (24%) Large Water Area (21%)	Close to Home (34%) No Fees (20%) Scenery / Natural Beauty (19%)
San Francisco Bay-West Bay	Scenery / Natural Beauty (27%) Large Water Area (24%) Close to Home (20%)	Close to Home (31%) Scenery / Natural Beauty (30%) No Fees (18%)
Pacific Ocean	Good Fishing (39%) Close to Home (22%) Scenery / Natural Beauty (22%)	Scenery / Natural Beauty (41%) Good Camping (19%) Not Crowded (11%)
San Francisco Bay-North Bay	_____	Scenery / Natural Beauty (31%) Close to Home (30%) No Fees (11%)
San Francisco Bay-South Bay	_____	Close to Home (24%) Not Crowded (18%) No Fees (15%) Scenery / Natural Beauty (15%)
Oakland Estuary (East Bay)	Close to Home (30%) Good Facilities (17%) Scenery / Natural Beauty (17%)	Close to Home (50%) No Fees (35%) Scenery / Natural Beauty (10%)
Lake Berryessa	Close to Home (32%) Large Water Area (24%) Good Fishing (17%)	Close to Home (50%) No Fees (50%)
Horseshoe Cove (West Bay)	Large Water Area (28%) Close to Home (25%) Scenery / Natural Beauty (20%)	_____
Lake Merced	_____	Close to Home (46%) No Fees (24%) Scenery / Natural Beauty (9%) Few Motorized Boats (9%)

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.

Tomales Bay	Scenery / Natural Beauty (36%) Good Fishing (29%) Large Water Area (14%)	Scenery / Natural Beauty (42%) Close to Home (19%) Good Camping (13%)
Lake Sonoma	Close to Home (34%) Scenery / Natural Beauty (22%) Good Fishing (14%)	Close to Home (38%) Scenery / Natural Beauty (38%) Not Crowded (13%) No Fees (13%)
Anderson Lake	Close to Home (54%) Large Water Area (22%) Good Fishing (7%)	_____
Suisun Bay	Good Fishing (32%) Close to Home (27%) Large Water Area (16%)	Scenery / Natural Beauty (67%) Not Crowded (33%)
San Pablo Bay	Close to Home (25%) Large Water Area (22%) Good Fishing (19%) Scenery / Natural Beauty (19%)	Close to Home (17%) Good Camping (17%) Good Facilities (17%) Good Fishing (17%) Not Crowded (17%) No Fees (17%)
Carquinez Strait	Close to Home (28%) Large Water Area (19%) Good Fishing (16%) Scenery / Natural Beauty (16%)	Close to Home (25%) Scenery / Natural Beauty (25%)
Del Valle Reservoir	Close to Home (39%) Good Fishing (22%) Good Facilities (17%)	Close to Home (33%) Scenery / Natural Beauty (25%) Warm Water (17%)
Calero Reservoir	Close to Home (55%) Scenery / Natural Beauty (10%) Warm Water (10%)	Close to Home (50%) Good Facilities (50%)
Petaluma River	Close to Home (37%) Good Fishing (20%) Not Crowded (17%) Scenery / Natural Beauty (17%)	Close to Home (39%) Scenery / Natural Beauty (22%) No Fees (17%)
Lake Merritt	_____	Close to Home (44%) Few Motorized Boats (21%) Good Facilities (12%)
Alameda Harbor (East Bay)	Close to Home (40%) Large Water Area (40%) Not Crowded (20%)	Close to Home (42%) No Fees (19%) Scenery / Natural Beauty (19%)

Motorized Reasons: Total Count of Responses = 795

Non-motorized Reasons: Total Count of Responses = 740

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 Survey

Waterway	Facility and Law Enforcement Perspectives
Alameda Bay	Boating access, Day docks (short-term dockage), Dry Storage, Fish cleaning stations, Launch ramps, Marinas (slips), Marine service & repairs, Parking for vehicles / trailers, Pump-out stations, Restrooms, Showers, Supply stores, Utilities, Landings (nonv-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Take-out spots (non-motorized).
Alameda Bay	LE: Affordable Salvage Company and Repair, Marine debris collection.
Alviso Slough/Guadalupe River	Navigation aids (buoys, markers).
Anderson Lake	Boarding floats, Landings (non-motorized).
Bodega Bay	Boarding floats, Boat Camping, Boating access, Day docks (short-term dockage), Dry Storage, Emergency Services, Fish cleaning stations, Floating docks / piers, Fuel docks, Landings / boat-in sites, Launch ramps, Marinas (slips), Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Parking for vehicles / trailers, 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), Emergency Servicess (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).
Bodega Bay	Boarding floats, Boat Camping, Boating access, Day docks (short-term dockage), Dry Storage, Emergency Services, Fish cleaning stations, Floating docks / piers, Fuel docks, Landings / boat-in sites, Launch ramps, Marinas (slips), Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Parking for vehicles / trailers, 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), Emergency Servicess (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).
Calero Reservoir	Launch Ramp Improvements, Dock Improvements, Parking Area Improvements.
Carquinez Strait	Day docks (short-term dockage), Dry Storage, Fish cleaning stations, Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Carry down paths (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Take-out spots (non-motorized), Electrical System, Break Wall.
Carquinez Strait	Dry Storage, Boat-in campsites (non-motorized), Carry down paths (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), NMSB storage.
Coyote Lake	Fish cleaning stations, Launch ramps, Parking for vehicles / trailers, Restrooms.

Lake Cunningham	Carry down paths (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), 1Water quality prevents use by the general public.
Lake Merced	Boating access (non-motorized), Hand launch ramps (non-motorized), Parking (non-motorized), Restrooms (non-motorized).
Lake Merritt	Hand launch ramps (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized).
Napa River	Boarding floats, Launch ramps, Marinas (slips), Parking for vehicles / trailers, Restrooms, Boat-in day use area (non-motorized), Carry down paths (non-motorized), Hand launch ramps (non-motorized), Landings (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Take-out spots (non-motorized).
Oakland Estuary	Landings / boat-in sites, Launch ramps, Marine service & repairs, Navigation aids (buoys, markers), Parking for vehicles / trailers, Pump-out stations.
Oakland Estuary/Harbor	Boarding floats, Boating access, Fish cleaning stations, Launch ramps, Restrooms, Showers, Access to fresh water (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), Restrooms (non-motorized), Showers (non-motorized), Take-out spots (non-motorized).
Petaluma River	Boating access, Day docks (short-term dockage), Floating docks / piers, Landings / boat-in sites, Marine service & repairs, Restrooms, Supply stores, 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).
Richardson Bay	LE: Remove derelict boats.
Russian River	Carry down paths (non-motorized).
Sacramento-San Joaquin Delta	LE: Hydro hoist needed.
Sacramento-San Joaquin Delta	Fish cleaning stations, Restrooms, Restrooms (non-motorized).
San Francisco Bay	LE: Additional dry dock areas to park our boat during periods of non-use. A facility at or near the dry dock area to house equipment and personnel assigned to the WRAPP. Additional local training for personnel assigned to our WRAPP.
San Francisco Bay	Dry Storage, Restrooms, Showers, Boat-in campsites (non-motorized), Parking (non-motorized), Restrooms (non-motorized), Showers (non-motorized).
San Francisco Bay	Moderate use / occasional crowding.
San Francisco Bay-East Bay	Boarding floats, Boat Camping, Boating access, Day docks (short-term dockage), Fish cleaning stations, Floating docks / piers, Fuel docks, Landings / boat-in sites, Launch ramps, Restrooms, Showers, Supply stores, Transient facilities / tie-ups, 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), Restrooms (non-motorized), Showers (non-motorized), Supply stores (non-motorized), Take-out spots (non-motorized).
San Francisco Bay-East Bay	Boating access, Day docks (short-term dockage), Fish cleaning stations, Floating docks / piers, Launch ramps, Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Parking for vehicles / trailers, Supply stores, Transient facilities / tie-ups, Utilities, Boat-in campsites (non-motorized), Boat-in day use area (non-motorized), Hand launch ramps (non-motorized), Launch ramps (for small trailers) (non-motorized), Navigation aids (buoys, markers) (non-motorized), Parking (non-motorized), Supply stores (non-motorized).

San Francisco Bay-East Bay	Boating access, Day docks (short-term dockage), Dry Storage, Launch ramps, Marinas (slips), Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Parking for vehicles / trailers, Pump-out stations, Restrooms, Showers, Transient facilities / tie-ups, Utilities, Access to fresh water (non-motorized) Boating access (non-motorized), Hand launch ramps (non-motorized), Launch ramps (for small trailers) (non-motorized), Parking (non-motorized).
San Francisco Bay-East Bay	Floating docks / piers, Marinas (slips), Restrooms, Showers, Restrooms (non-motorized), Showers (non-motorized), floating docks.
San Francisco Bay-East Bay	Supply stores, Boat-in campsites (non-motorized), Live boards.
San Francisco Bay-Islais Creek	LE: Designated secure moorings for the SFPD Marine Unit. Impounded vessel storage facility. Abandoned vessel abatement facility.
SF Bay-San Mateo Marina Lagoon	LE: maintenance, staff, training.
San Francisco Bay-North Bay	Supply stores, Carry down paths (non-motorized), Hand launch ramps (non-motorized), Supply stores (non-motorized), Take-out spots (non-motorized).
San Francisco Bay-West Bay	Boating access, Day docks (short-term dockage), Launch ramps, Marinas (slips), Mooring fields, Parking for vehicles / trailers, Transient facilities / tie-ups, Utilities, Launch ramps (for small trailers) (non-motorized), Showers (non-motorized), Take-out spots (non-motorized).
San Francisco Bay-San Rafael Canal	LE: More launch facilities, properly designed to avoid vehicle damage due to tire slip. Wash down facilities.
San Leandro Bay	Boating access, Launch ramps, Parking for vehicles / trailers, Restrooms, Carry down paths (non-motorized), Launch ramps (for small trailers) (non-motorized).
San Pablo Reservoir	Parking for vehicles / trailers, Parking (non-motorized).
San Rafael Creek	Carry down paths (non-motorized).
Suisun Slough	Boating access, Day docks (short-term dockage), Dry Storage, Fish cleaning stations, Marinas (slips), Marine service & repairs, Mooring fields, Navigation aids (buoys, markers), Restrooms, Showers, Supply stores, Transient facilities / tie-ups, Launch ramps (for small trailers) (non-motorized), ADA Docks.

N = 38

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 Survey

Waterway	Facility and Law Enforcement Perspectives
Carquinez Strait	Insufficient water depth, Excessive/rude law enforcement.
Lake Berryessa	Poor ramp condition, Reckless PWC operators.
Lake Ralphine	Lack of parking.
Lake Sonoma	LE: Drunks near the dam.
Mare Island Strait	Insufficient water depth, Navy pulled out in '95 and they took their DREDGE with them.
Napa River	Insufficient water depth.
Oakland Estuary	Lack of parking, Lack of law enforcement.
Oakland Harbor	Floating debris, No problems.
Oakland Harbor	No problems.
Pillar Point Harbor	No problems.
Sacramento-San Joaquin Delta	LE: Ski Beach, border of Contra Costa & San Joaquin county--Popular younger boating destination for mooring, alcohol / drug use, dancing, social gathering, fights, violent crimes to include rape.
San Francisco Bay	
San Francisco Bay	Insufficient water depth, Poor ramp condition.
San Francisco Bay- East Bay	Insufficient water depth, Overcrowding.
San Francisco Bay-East Bay	Insufficient water depth.
San Francisco Bay-East Bay	Insufficient water depth, Lack of parking, Lack of law enforcement, Dredging agencies specifically the Army Corp.
San Francisco Bay-East Bay	Lack of parking.
San Francisco Bay-Islais Creek	LE: Illegal anchorage and use of vessels in committing crimes.
San Francisco Bay-North Bay	Insufficient water depth.
San Francisco Bay-North Bay	Insufficient water depth, Conflict w/ motorized & Non-motorized boaters.
San Francisco Bay-North Bay	Insufficient water depth, Insufficient boating access, Poor ramp condition, Poor water quality, Floating debris.
San Francisco Bay-North Bay	Insufficient water depth, Lack of parking, Insufficient boating access, Poor water quality, Floating debris.
San Francisco Bay-North Bay	Insufficient water depth, Lack of parking, Poor ramp condition, Floating debris, No problems.
SF Bay-San Mateo Marina Lagoon	High facility use fee, Poor water quality.
SF Bay-San Mateo Marina Lagoon	LE: Issues w/it being a multi-use water skiing area where wake boarders, water skiers and kayakers travel.
San Francisco Bay-South Bay	Insufficient water depth, Issues w/ motorized boaters, Reckless PWC operators, Conflict w/ motorized & Non-motorized boaters, Lack of law enforcement.
San Francisco Bay-South Bay	No problems.

San Francisco Bay-West Bay	Insufficient water depth, Insufficient boating access.
San Francisco Bay-West Bay	Insufficient water depth, Invasive species, Lack of parking.
San Francisco-San Rafael Canal	Insufficient water depth, Lack of parking, Excessive/rude law enforcement.
San Francisco-San Rafael Canal	Insufficient water depth, Poor water quality.
San Pablo Reservoir	No problems.
Suisun Slough	Poor water quality, No problems.
Tomaes Bay	Insufficient water depth, Poor ramp condition.
Tomaes Bay	Lack of parking, Overcrowding.

N = 35

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

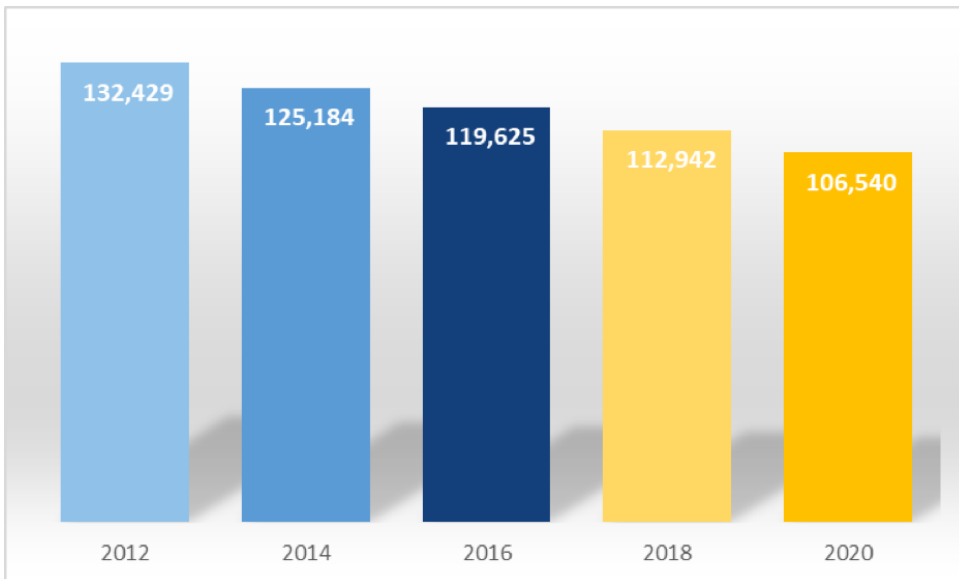
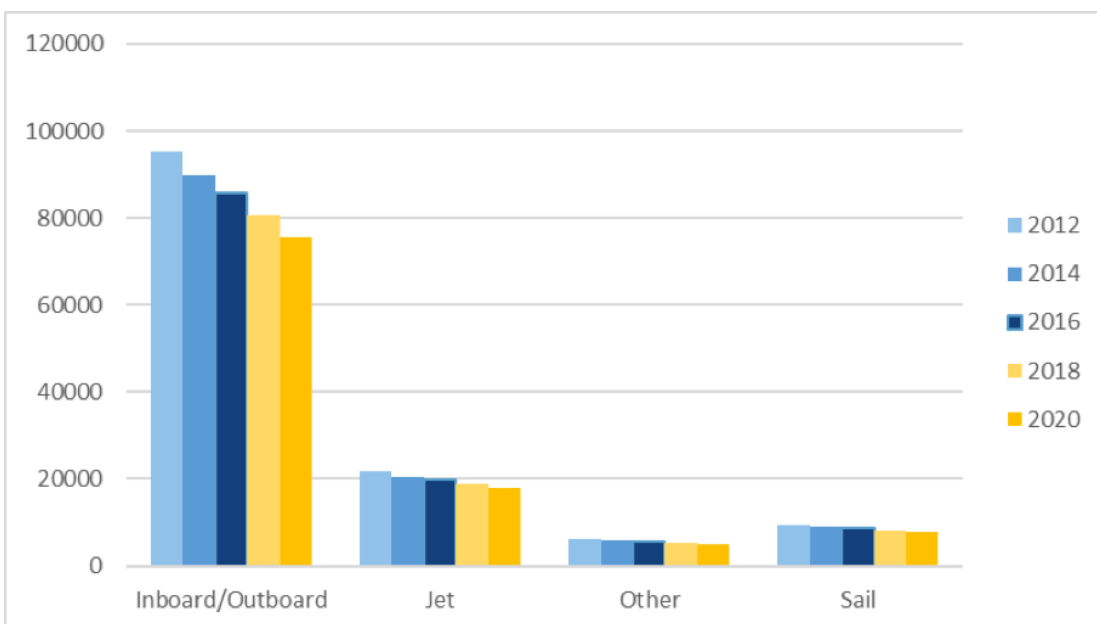


Figure 2. Motorized Boats by Propulsion Type



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	95,252	89,915	85,580	80,577	75,741
Jet	21,650	20,440	19,828	18,817	17,906
Other	6,115	5,745	5,607	5,314	5,060
Sail	9,412	9,084	8,606	8,228	7,825
TOTAL	132,429	125,184	119,625	112,942	106,540

Actual Values: 2012, 2014, 2016

Forecasted Values: 2018, 2020

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

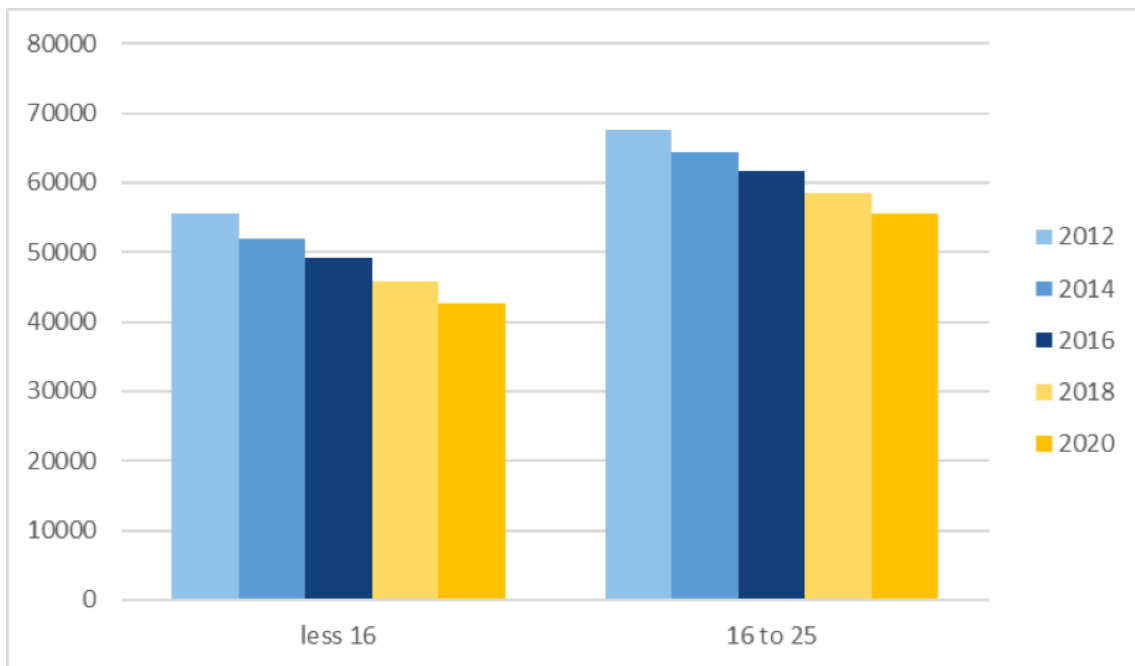


Figure 4. Motorized Boats by Length (Greater than or equal to 26 feet)

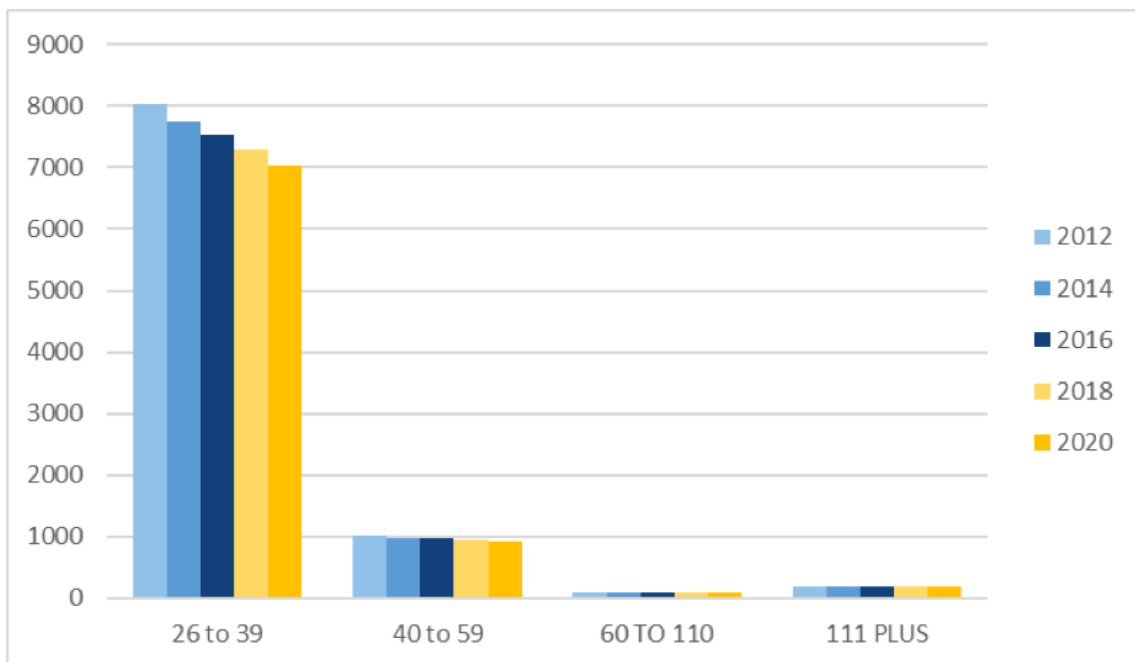


Table 41. Motorized Boat by Length (Figures 3 and 4)

Length in Feet	2012	2014	2016	2018	2020
less than 16	55,629	51,872	49,279	45,910	42,735
16 to 25	67,473	64,302	61,562	58,535	55,579
26 to 39	8,023	7,754	7,537	7,285	7,042
40 to 59	1,029	980	975	941	914
60 to 110	95	92	92	90	89
111 or more	180	184	180	181	181
TOTAL	132,429	125,184	119,625	112,942	106,540

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	107
Dry Storage	51
Marina	116
Mooring Field	6
Aquatic Center/BISC	8
Boating Access	65
Fuel Dock	2
Landing/Boat-In Sites	4
Marine Services/Repair	6
SSR Facility	1
Yacht Club	22

Total Count = 388



¹As 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
Alameda Bay (SF Bay)	7
Anderson Lake	26
Bodega Bay (Pacific Ocean)	16
Calero Reservoir	14
Carquinez Strait	17
Contra Loma Reservoir	1
Coyote Lake	10
Del Valle Reservoir	15
Lafayette Reservoir	1
Lake Berryessa	61
Lake Chabot	1
Lake Hennessey	2
Lake Merced	1
Lake Solano	1
Lake Sonoma	27
Lexington Reservoir	4
Mare Island Strait	6
Napa River	11
Oakland Estuary (SF Bay)	21
Pacific Ocean	9
Petaluma River	13

Waterway	Motorized Count
Pillar Point Harbor	12
Richardson Bay	9
Russian River	3
San Francisco Bay- South Bay	32
San Francisco Bay- West Bay	58
San Francisco Bay-East Bay	47
Horseshoe Cove (West Bay)	53
San Mateo Marina Lagoon (SF)	9
San Rafael Canal (SF Bay)	1
Smith Slough (SF Bay)	7
San Leandro Bay (SF Bay)	1
San Pablo Bay	19
San Pablo Reservoir	9
Shadow Cliffs Lake	4
Spring Lake	1
Stevens Creek Reservoir	2
Suisun Bay	20
Tomaes Bay	9
Uvas Reservoir	1
Vasona Lake	1

Appendix B. Preferred Waterway Reported by Non-motorized Boaters

Waterway	Non-motorized Count
Alameda Bay (SF Bay)	26
Bodega Bay (Pacific Ocean)	10
Bolinas Lagoon	3
Briones Reservoir	2
Calero Reservoir	1
Carquinez Strait	11
Contra Loma Reservoir	2
Corte Madera Creek	1
Coyote Lake	1
Coyote Point (SF Bay)	4
Del Valle Reservoir	9
Drakes Estero	2
Foster City Lagoon (SF Bay)	13
Horseshoe Cove (SF Bay)	10
Islais Creek (SF Bay)	3
Lafayette Reservoir	1
Lake Berryessa	4
Lake Chabot	2
Lake Hennessey	4
Lake Merced	46
Lake Merritt	38
Lake Ralphine	4
Lake Solano/Putah Creek	2
Lake Sonoma	8
Lexington Reservoir	1
Mare Island Strait	1
Montezuma Slough	2
Napa River	11

Waterway	Non-motorized Count
Oakland Estuary (SF Bay)	25
Oyster Point (SF Bay)	15
Pacific Ocean	28
Pacific Ocean-Half Moon Bay	10
Petaluma River	21
Pillar Point Harbor	7
Quarry Lakes	1
Redwood City Channel	22
Richardson Bay	9
Russian River	12
San Francisco Bay-East Bay	135
San Francisco Bay-North Bay	69
San Francisco Bay-South Bay	24
San Francisco Bay-West	98
San Leandro Bay (SF Bay)	5
San Mateo Marina Lagoon (SF)	19
San Pablo Bay	6
San Pablo Reservoir	2
San Rafael Canal (SF Bay)	16
Shadow Cliffs Lake	3
Smith Slough (SF Bay)	3
Spring Lake	8
Suisun Bay	6
Suisun Slough	7
Tomales Bay	55
Utica Reservoir	1
Vasona Lake	6

Appendix C. Perceptions of Use Level / Crowdedness

Appendix C

Waterway	Motorized Watercrafts	Non-Motorized Watercrafts
Alameda Harbor	1.65	1.71
Anderson Lake	2.52	1.17
Bodega Bay	2.41	1.76
Bolinas Lagoon	2.00	2.50
Briones Reservoir	—	—
Calero Reservoir	2.33	1.58
Carquinez Strait	1.53	1.06
Contra Loma Reservoir	1.00	1.00
Corte Madera Creek	1.00	2.00
Coyote Lake	2.00	1.33
Del Valle Reservoir	1.55	1.65
Drakes Estero	—	2.00
Foster City Lagoon	1.29	1.88
Lafayette Reservoir	1.00	1.50
Lake Berryessa	2.02	1.18
Lake Chabot	1.00	1.00
Lake Hennessey	1.00	1.25
Lake Merced	1.39	2.67
Lake Merritt	1.19	1.87
Lake Ralphine	—	1.33
Lake Solano	1.00	3.00
Lake Solano/Putah Creek	—	1.00
Lake Sonoma	2.09	1.22
Lexington Reservoir	1.00	1.40
Mare Island Strait	1.67	1.00
Montezuma Slough	3.00	2.00
Napa River	1.44	1.41
Oakland Estuary	1.94	1.91
Pacific Ocean	1.33	1.29
Pacific Ocean-Half Moon Bay	1.88	1.57
Petaluma River	1.24	1.45
Pillar Point Harbor	2.19	1.69
Quarry Lakes	—	—
Redwood City Channel	1.75	1.94
Richardson Bay	2.15	2.07
Russian River	1.40	1.75
SF Bay-East Bay	1.56	1.64
SF Bay-Horseshoe Cove	1.53	1.46
SF Bay-Islais Creek	1.50	1.00

SF Bay-North Bay	1.92	1.79
SF Bay-Oyster Point	2.25	1.50
SF Bay-San Mateo Marina Lagoon	1.91	2.00
SF Bay-San Rafael Canal	1.67	1.88
SF Bay-Smith Slough	2.40	2.33
SF Bay-South Bay	1.59	1.51
SF Bay-West Bay	1.93	1.74
San Leandro Bay	1.75	1.60
San Pablo Bay	1.55	1.31
San Pablo Reservoir	2.00	1.67
Shadow Cliffs Lake	1.25	1.60
Spring Lake	1.00	1.71
Stevens Creek Reservoir	4.00	2.50
Suisun Bay / Slough	1.67	1.13
Tomales Bay	1.76	1.72
Utica Reservoir	2.00	2.00
Uvas Reservoir	—	—
Vasona Lake	2.50	1.50

Total Count of Responses = 1075

(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
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	5	19.2%
Bodega Bay	16	6	37.5%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	5	29.4%
Contra Loma Reservoir	1	1	100.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	25	41.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	1	3.7%
Lexington Reservoir	4	3	75.0%
Mare Island Strait-Solano	4	1	25.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	3	25.0%
Oakland Estuary/Harbor	21	4	19.0%
Pacific Ocean	9	5	55.6%
Petaluma River	13	3	23.1%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	2	22.2%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	6	18.8%
San Francisco Bay- West Bay	58	9	15.5%
San Francisco Bay-East Bay	47	12	25.5%
SF Bay-Horseshoe Cove/Bay	53	11	20.8%
SF Bay-San Mateo Marina Lagoon	9	3	33.3%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	1	100.0%
San Pablo Bay	19	5	26.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	1	25.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	6	30.0%
Tomales Bay	11	2	18.2%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	1	100.0%

Appendix D. Day Docks (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	3	42.9%
Anderson Lake	26	7	26.9%
Bodega Bay	16	6	37.5%
Calero Reservoir	14	4	28.6%
Carquinez Strait	17	5	29.4%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	12	19.7%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	10	37.0%
Lexington Reservoir	4	1	25.0%
Mare Island Strait-Solano	4	1	25.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	2	16.7%
Oakland Estuary/Harbor	21	9	42.9%
Pacific Ocean	9	3	33.3%
Petaluma River	13	2	15.4%
Pillar Point Harbor	12	5	41.7%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	9	28.1%
San Francisco Bay- West Bay	58	22	37.9%
San Francisco Bay-East Bay	47	20	42.6%
SF Bay-Horseshoe Cove/Bay	53	17	32.1%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	2	66.7%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	3	15.8%
San Pablo Reservoir	9	2	22.2%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	2	10.0%
Tomaes Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Fish Cleaning Stations (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	2	28.6%
Anderson Lake	26	2	7.7%
Bodega Bay	16	5	31.3%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	2	13.3%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	10	16.4%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	3	11.1%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	2	16.7%
Oakland Estuary/Harbor	21	3	14.3%
Pacific Ocean	9	2	22.2%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	2	22.2%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	3	9.4%
San Francisco Bay- West Bay	58	7	12.1%
San Francisco Bay-East Bay	47	4	8.5%
SF Bay-Horseshoe Cove/Bay	53	7	13.2%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	4	21.1%
San Pablo Reservoir	9	2	22.2%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	4	20.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	6	23.1%
Bodega Bay	16	2	12.5%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	4	23.5%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	11	18.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	5	18.5%
Lexington Reservoir	4	1	25.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	2	16.7%
Oakland Estuary/Harbor	21	6	28.6%
Pacific Ocean	9	2	22.2%
Petaluma River	13	2	15.4%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	6	66.7%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	5	15.6%
San Francisco Bay- West Bay	58	13	22.4%
San Francisco Bay-East Bay	47	8	17.0%
SF Bay-Horseshoe Cove/Bay	53	12	22.6%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	3	15.8%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	1	100.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	2	10.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Marina (slips) (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	2	7.7%
Bodega Bay	16	3	18.8%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	4	23.5%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	17	27.9%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	1	3.7%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	7	33.3%
Pacific Ocean	9	1	11.1%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	3	25.0%
Richardson Bay	9	3	33.3%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	7	21.9%
San Francisco Bay- West Bay	58	18	31.0%
San Francisco Bay-East Bay	47	12	25.5%
SF Bay-Horseshoe Cove/Bay	53	15	28.3%
SF Bay-San Mateo Marina Lagoon	9	3	33.3%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	2	10.5%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Mooring Fields (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	1	3.8%
Bodega Bay	16	2	12.5%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	4	23.5%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	4	6.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	1	4.8%
Pacific Ocean	9	1	11.1%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	2	22.2%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	5	15.6%
San Francisco Bay- West Bay	58	11	19.0%
San Francisco Bay-East Bay	47	9	19.1%
SF Bay-Horseshoe Cove/Bay	53	15	28.3%
SF Bay-San Mateo Marina Lagoon	9	4	44.4%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	2	10.5%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Parking Vehicles / Trailers (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	2	28.6%
Anderson Lake	26	3	11.5%
Bodega Bay	16	7	43.8%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	20	32.8%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	1	50.0%
Lake Merced	1	0	0.0%
Lake Solano	1	1	100.0%
Lake Sonoma	27	4	14.8%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	4	19.0%
Pacific Ocean	9	3	33.3%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	6	50.0%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	6	18.8%
San Francisco Bay- West Bay	58	9	15.5%
San Francisco Bay-East Bay	47	7	14.9%
SF Bay-Horseshoe Cove/Bay	53	4	7.5%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	2	10.5%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	1	100.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Restrooms (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	3	42.9%
Anderson Lake	26	4	15.4%
Bodega Bay	16	4	25.0%
Calero Reservoir	14	5	35.7%
Carquinez Strait	17	2	11.8%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	3	30.0%
Del Valle Reservoir	15	2	13.3%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	25	41.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	1	50.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	13	48.1%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	1	50.0%
Napa River	12	4	33.3%
Oakland Estuary/Harbor	21	5	23.8%
Pacific Ocean	9	4	44.4%
Petaluma River	13	4	30.8%
Pillar Point Harbor	12	5	41.7%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	10	31.3%
San Francisco Bay- West Bay	58	12	20.7%
San Francisco Bay-East Bay	47	10	21.3%
SF Bay-Horseshoe Cove/Bay	53	11	20.8%
SF Bay-San Mateo Marina Lagoon	9	4	44.4%
SF Bay-San Rafael Canal	3	2	66.7%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	6	31.6%
San Pablo Reservoir	9	1	11.1%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	7	35.0%
Tomaes Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Supply Stores (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	3	11.5%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	20	32.8%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	2	7.4%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	5	23.8%
Pacific Ocean	9	0	0.0%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	2	22.2%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	3	9.4%
San Francisco Bay- West Bay	58	9	15.5%
San Francisco Bay-East Bay	47	2	4.3%
SF Bay-Horseshoe Cove/Bay	53	5	9.4%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	2	10.5%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	1	50.0%
Suisun Bay	20	5	25.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Utilities (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	2	28.6%
Anderson Lake	26	0	0.0%
Bodega Bay	16	1	6.3%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	2	11.8%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	4	6.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	2	9.5%
Pacific Ocean	9	1	11.1%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	0	0.0%
San Francisco Bay- West Bay	58	3	5.2%
San Francisco Bay-East Bay	47	4	8.5%
SF Bay-Horseshoe Cove/Bay	53	1	1.9%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	1	100.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Boarding Floats (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	5	19.2%
Bodega Bay	16	1	6.3%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	5	8.2%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	2	7.4%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	3	14.3%
Pacific Ocean	9	1	11.1%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	2	6.3%
San Francisco Bay- West Bay	58	7	12.1%
San Francisco Bay-East Bay	47	1	2.1%
SF Bay-Horseshoe Cove/Bay	53	3	5.7%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	1	25.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Dry Storage (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	1	3.8%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	1	5.9%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	4	6.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	2	9.5%
Pacific Ocean	9	1	11.1%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	3	25.0%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	1	3.1%
San Francisco Bay- West Bay	58	6	10.3%
San Francisco Bay-East Bay	47	9	19.1%
SF Bay-Horseshoe Cove/Bay	53	5	9.4%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	1	11.1%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	2	10.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Floating Docks/Piers (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	5	19.2%
Bodega Bay	16	4	25.0%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	4	23.5%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	2	20.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	1	100.0%
Lake Berryessa	61	9	14.8%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	4	14.8%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	1	25.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	3	14.3%
Pacific Ocean	9	3	33.3%
Petaluma River	13	2	15.4%
Pillar Point Harbor	12	3	25.0%
Richardson Bay	9	2	22.2%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	4	12.5%
San Francisco Bay- West Bay	58	8	13.8%
San Francisco Bay-East Bay	47	7	14.9%
SF Bay-Horseshoe Cove/Bay	53	10	18.9%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	2	66.7%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	1	11.1%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Launch Ramp (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	3	42.9%
Anderson Lake	26	5	19.2%
Bodega Bay	16	8	50.0%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	34	55.7%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	2	100.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	6	22.2%
Lexington Reservoir	4	3	75.0%
Mare Island Strait-Solano	4	1	25.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	2	16.7%
Oakland Estuary/Harbor	21	4	19.0%
Pacific Ocean	9	5	55.6%
Petaluma River	13	4	30.8%
Pillar Point Harbor	12	3	25.0%
Richardson Bay	9	5	55.6%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	9	28.1%
San Francisco Bay- West Bay	58	8	13.8%
San Francisco Bay-East Bay	47	8	17.0%
SF Bay-Horseshoe Cove/Bay	53	8	15.1%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	2	66.7%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	5	26.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	1	25.0%
Spring Lake	1	1	100.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	4	20.0%
Tomales Bay	11	2	18.2%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Marine Service & repairs (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	1	3.8%
Bodega Bay	16	2	12.5%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	2	11.8%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	10	16.4%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	3	14.3%
Pacific Ocean	9	1	11.1%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	2	16.7%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	9	28.1%
San Francisco Bay- West Bay	58	9	15.5%
San Francisco Bay-East Bay	47	4	8.5%
SF Bay-Horseshoe Cove/Bay	53	11	20.8%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	1	5.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Navigational Aids (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	2	7.7%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	1	5.9%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	5	8.2%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	1	100.0%
Lake Sonoma	27	3	11.1%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	1	50.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	2	22.2%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	3	9.4%
San Francisco Bay- West Bay	58	5	8.6%
San Francisco Bay-East Bay	47	7	14.9%
SF Bay-Horseshoe Cove/Bay	53	3	5.7%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	4	21.1%
San Pablo Reservoir	9	1	11.1%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	4	20.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Pump-Out Stations (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	1	3.8%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	2	11.8%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	1	1.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	1	50.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	7	33.3%
Pacific Ocean	9	1	11.1%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	2	22.2%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	6	18.8%
San Francisco Bay- West Bay	58	11	19.0%
San Francisco Bay-East Bay	47	10	21.3%
SF Bay-Horseshoe Cove/Bay	53	9	17.0%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	3	15.8%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	1	5.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Showers (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	2	7.7%
Bodega Bay	16	2	12.5%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	10	16.4%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	3	11.1%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	3	14.3%
Pacific Ocean	9	3	33.3%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	2	6.3%
San Francisco Bay- West Bay	58	8	13.8%
San Francisco Bay-East Bay	47	7	14.9%
SF Bay-Horseshoe Cove/Bay	53	8	15.1%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	3	15.8%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	1	50.0%
Suisun Bay	20	1	5.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	1	3.8%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	4	6.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	1	3.7%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	1	25.0%
Mare Island Strait-Sonoma	2	1	50.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	6	28.6%
Pacific Ocean	9	2	22.2%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	9	28.1%
San Francisco Bay- West Bay	58	13	22.4%
San Francisco Bay-East Bay	47	11	23.4%
SF Bay-Horseshoe Cove/Bay	53	11	20.8%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	2	10.5%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix D. Emergency Services (Motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	1	3.8%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	4	6.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	2	9.5%
Pacific Ocean	9	1	11.1%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	0	0.0%
San Francisco Bay- West Bay	58	2	3.4%
San Francisco Bay-East Bay	47	1	2.1%
SF Bay-Horseshoe Cove/Bay	53	2	3.8%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	2	10.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix E. Facility Needs Reported by Non-motorized Boaters

Appendix E. Boating Access (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	4	15.4%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	1	33.3%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	1	9.1%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	1	11.1%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	3	23.1%
Lafayette Reservoir	1	1	100.0%
Lake Berryessa	4	1	25.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	13	28.3%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	1	12.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	1	100.0%
Montezuma Slough	2	0	0.0%
Napa River	11	3	27.3%
Oakland Estuary/Harbor	25	5	20.0%
Pacific Ocean-Half Moon Bay	10	2	20.0%
Pacific Ocean	28	4	14.3%
Petaluma River	21	5	23.8%
Pillar Point Harbor	7	3	42.9%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	4	18.2%
Richardson Bay	9	1	11.1%
Russian River	12	3	25.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	31	23.0%
SF Bay-Horseshoe Cove/Bay	10	2	20.0%
San Francisco Bay-Islais Creek	3	2	66.7%
San Francisco Bay-North Bay	69	18	26.1%

San Francisco Bay-Oyster Point	15	1	6.7%
SF Bay-San Mateo Marina Lagoon	19	3	15.8%
SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	1	33.3%
San Francisco Bay-South Bay	24	3	12.5%
San Francisco Bay-West	98	20	20.4%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	1	33.3%
Spring Lake	8	1	12.5%
Suisun Bay	6	0	0.0%
Suisun Slough	7	1	14.3%
Tomaes Bay	55	11	20.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	1	16.7%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	2	7.7%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	3	33.3%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	1	25.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	1	25.0%
Lake Merced	46	2	4.3%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	1	50.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	3	12.0%
Pacific Ocean-Half Moon Bay	10	2	20.0%
Pacific Ocean	28	5	17.9%
Petaluma River	21	2	9.5%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	3	25.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	16	11.9%
SF Bay-Horseshoe Cove/Bay	10	1	10.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	15	21.7%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	1	5.3%

SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	2	8.3%
San Francisco Bay-West	98	9	9.2%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	3	42.9%
Tomaes Bay	55	14	25.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Parking (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	6	23.1%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	1	33.3%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	1	11.1%
Drakes Estero	2	1	50.0%
Foster City Lagoon	13	3	23.1%
Lafayette Reservoir	1	1	100.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	18	39.1%
Lake Merritt	38	10	26.3%
Lake Ralphine	4	1	25.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	3	27.3%
Oakland Estuary/Harbor	25	7	28.0%
Pacific Ocean-Half Moon Bay	10	3	30.0%
Pacific Ocean	28	3	10.7%
Petaluma River	21	3	14.3%
Pillar Point Harbor	7	1	14.3%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	6	27.3%
Richardson Bay	9	4	44.4%
Russian River	12	3	25.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	37	27.4%
SF Bay-Horseshoe Cove/Bay	10	4	40.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	23	33.3%
San Francisco Bay-Oyster Point	15	5	33.3%
SF Bay-San Mateo Marina Lagoon	19	7	36.8%

SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	7	29.2%
San Francisco Bay-West	98	27	27.6%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	1	14.3%
Tomaes Bay	55	19	34.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	1	16.7%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	5	19.2%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	1	33.3%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	1	100.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	1	7.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	3	6.5%
Lake Merritt	38	4	10.5%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	1	50.0%
Lake Sonoma	8	2	25.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	1	100.0%
Montezuma Slough	2	0	0.0%
Napa River	11	2	18.2%
Oakland Estuary/Harbor	25	5	20.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	1	14.3%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	14	10.4%
SF Bay-Horseshoe Cove/Bay	10	1	10.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	6	8.7%
San Francisco Bay-Oyster Point	15	2	13.3%
SF Bay-San Mateo Marina Lagoon	19	3	15.8%

SF Bay-San Rafael Canal	16	3	18.8%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	13	13.3%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	2	25.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	1	14.3%
Tomaes Bay	55	8	14.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	6	23.1%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	1	100.0%
Carquinez Strait	11	2	18.2%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	2	15.4%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	2	5.3%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	1	50.0%
Lake Sonoma	8	1	12.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	1	50.0%
Napa River	11	3	27.3%
Oakland Estuary/Harbor	25	5	20.0%
Pacific Ocean-Half Moon Bay	10	3	30.0%
Pacific Ocean	28	3	10.7%
Petaluma River	21	3	14.3%
Pillar Point Harbor	7	2	28.6%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	2	22.2%
Russian River	12	2	16.7%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	28	20.7%
SF Bay-Horseshoe Cove/Bay	10	5	50.0%
San Francisco Bay-Islais Creek	3	2	66.7%
San Francisco Bay-North Bay	69	11	15.9%
San Francisco Bay-Oyster Point	15	2	13.3%
SF Bay-San Mateo Marina Lagoon	19	6	31.6%

SF Bay-San Rafael Canal	16	2	12.5%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	4	16.7%
San Francisco Bay-West	98	18	18.4%
San Leandro Bay	5	2	40.0%
San Pablo Bay	6	2	33.3%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	1	33.3%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	1	14.3%
Tomaes Bay	55	7	12.7%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Restrooms (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	10	38.5%
Bodega Bay	10	1	10.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	4	36.4%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	1	11.1%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	7	53.8%
Lafayette Reservoir	1	1	100.0%
Lake Berryessa	4	1	25.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	14	30.4%
Lake Merritt	38	9	23.7%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	2	100.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	4	36.4%
Oakland Estuary/Harbor	25	12	48.0%
Pacific Ocean-Half Moon Bay	10	4	40.0%
Pacific Ocean	28	5	17.9%
Petaluma River	21	5	23.8%
Pillar Point Harbor	7	3	42.9%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	9	40.9%
Richardson Bay	9	1	11.1%
Russian River	12	3	25.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	46	34.1%
SF Bay-Horseshoe Cove/Bay	10	8	80.0%
San Francisco Bay-Islais Creek	3	2	66.7%
San Francisco Bay-North Bay	69	32	46.4%
San Francisco Bay-Oyster Point	15	3	20.0%
SF Bay-San Mateo Marina Lagoon	19	11	57.9%

SF Bay-San Rafael Canal	16	3	18.8%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	8	33.3%
San Francisco Bay-West	98	40	40.8%
San Leandro Bay	5	3	60.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	3	50.0%
Suisun Slough	7	4	57.1%
Tomaes Bay	55	14	25.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Supply Stores (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	1	7.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	2	4.3%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	1	9.1%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	1	11.1%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	3	2.2%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	3	4.3%
San Francisco Bay-Oyster Point	15	3	20.0%
SF Bay-San Mateo Marina Lagoon	19	5	26.3%

SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	1	4.2%
San Francisco Bay-West	98	3	3.1%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	2	3.6%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	1	16.7%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	0	0.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	0	0.0%

SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	1	1.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Security (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	3	11.5%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	1	9.1%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	2	15.4%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	3	6.5%
Lake Merritt	38	6	15.8%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	1	12.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	2	18.2%
Oakland Estuary/Harbor	25	4	16.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	2	9.5%
Pillar Point Harbor	7	1	14.3%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	0	0.0%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	14	10.4%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islands Creek	3	0	0.0%
San Francisco Bay-North Bay	69	3	4.3%
San Francisco Bay-Oyster Point	15	2	13.3%
SF Bay-San Mateo Marina Lagoon	19	3	15.8%

SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	2	8.3%
San Francisco Bay-West	98	11	11.2%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	2	33.3%
Suisun Slough	7	3	42.9%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Campgrounds (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	0	0.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	0	0.0%

SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	0	0.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Landings (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	4	15.4%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	1	9.1%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	2	22.2%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	1	7.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	19	41.3%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	1	50.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	1	50.0%
Napa River	11	4	36.4%
Oakland Estuary/Harbor	25	6	24.0%
Pacific Ocean-Half Moon Bay	10	3	30.0%
Pacific Ocean	28	2	7.1%
Petaluma River	21	4	19.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	2	9.1%
Richardson Bay	9	1	11.1%
Russian River	12	2	16.7%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	28	20.7%
SF Bay-Horseshoe Cove/Bay	10	1	10.0%
San Francisco Bay-Islais Creek	3	3	100.0%
San Francisco Bay-North Bay	69	17	24.6%
San Francisco Bay-Oyster Point	15	1	6.7%
SF Bay-San Mateo Marina Lagoon	19	5	26.3%

SF Bay-San Rafael Canal	16	3	18.8%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	4	16.7%
San Francisco Bay-West	98	20	20.4%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	1	33.3%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	1	14.3%
Tomaes Bay	55	13	23.6%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	3	11.5%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	1	9.1%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	1	25.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	1	2.2%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	1	9.1%
Oakland Estuary/Harbor	25	1	4.0%
Pacific Ocean-Half Moon Bay	10	2	20.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	3	14.3%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	3	13.6%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	13	9.6%
SF Bay-Horseshoe Cove/Bay	10	1	10.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	15	21.7%
San Francisco Bay-Oyster Point	15	1	6.7%
SF Bay-San Mateo Marina Lagoon	19	2	10.5%

SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	2	8.3%
San Francisco Bay-West	98	12	12.2%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	3	42.9%
Tomaes Bay	55	8	14.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	9	34.6%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	1	100.0%
Carquinez Strait	11	2	18.2%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	1	100.0%
Del Valle Reservoir	9	2	22.2%
Drakes Estero	2	1	50.0%
Foster City Lagoon	13	4	30.8%
Lafayette Reservoir	1	1	100.0%
Lake Berryessa	4	1	25.0%
Lake Chabot	2	1	50.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	10	21.7%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	1	50.0%
Lake Sonoma	8	1	12.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	3	27.3%
Oakland Estuary/Harbor	25	7	28.0%
Pacific Ocean-Half Moon Bay	10	4	40.0%
Pacific Ocean	28	4	14.3%
Petaluma River	21	2	9.5%
Pillar Point Harbor	7	3	42.9%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	6	27.3%
Richardson Bay	9	0	0.0%
Russian River	12	3	25.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	40	29.6%
SF Bay-Horseshoe Cove/Bay	10	3	30.0%
San Francisco Bay-Islais Creek	3	2	66.7%
San Francisco Bay-North Bay	69	21	30.4%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	6	31.6%

SF Bay-San Rafael Canal	16	2	12.5%
San Francisco Bay-Smith Slough	3	2	66.7%
San Francisco Bay-South Bay	24	3	12.5%
San Francisco Bay-West	98	28	28.6%
San Leandro Bay	5	2	40.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	1	16.7%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	18	32.7%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Navigation Aids (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	2	7.7%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	2	15.4%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	6	13.0%
Lake Merritt	38	2	5.3%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	2	18.2%
Oakland Estuary/Harbor	25	1	4.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	1	4.8%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	2	9.1%
Richardson Bay	9	1	11.1%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	6	4.4%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	4	5.8%
San Francisco Bay-Oyster Point	15	1	6.7%
SF Bay-San Mateo Marina Lagoon	19	3	15.8%

SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	1	4.2%
San Francisco Bay-West	98	5	5.1%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	3	11.5%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	1	7.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	3	6.5%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	3	27.3%
Oakland Estuary/Harbor	25	3	12.0%
Pacific Ocean-Half Moon Bay	10	3	30.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	1	4.8%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	0	0.0%
Russian River	12	2	16.7%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	21	15.6%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	12	17.4%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	5	26.3%

SF Bay-San Rafael Canal	16	3	18.8%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	1	4.2%
San Francisco Bay-West	98	12	12.2%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	4	7.3%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Showers (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	4	15.4%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	1	9.1%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	7	53.8%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	1	50.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	10	21.7%
Lake Merritt	38	3	7.9%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	1	9.1%
Oakland Estuary/Harbor	25	5	20.0%
Pacific Ocean-Half Moon Bay	10	4	40.0%
Pacific Ocean	28	5	17.9%
Petaluma River	21	4	19.0%
Pillar Point Harbor	7	1	14.3%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	9	40.9%
Richardson Bay	9	2	22.2%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	23	17.0%
SF Bay-Horseshoe Cove/Bay	10	3	30.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	9	13.0%
San Francisco Bay-Oyster Point	15	3	20.0%
SF Bay-San Mateo Marina Lagoon	19	8	42.1%

SF Bay-San Rafael Canal	16	4	25.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	4	16.7%
San Francisco Bay-West	98	23	23.5%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	1	33.3%
Spring Lake	8	0	0.0%
Suisun Bay	6	1	16.7%
Suisun Slough	7	4	57.1%
Tomaes Bay	55	3	5.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Emergency Services (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	1	3.8%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	3	23.1%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	6	13.0%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	1	100.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	2	18.2%
Oakland Estuary/Harbor	25	2	8.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	2	9.5%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	1	11.1%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	6	4.4%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	2	66.7%
San Francisco Bay-North Bay	69	4	5.8%
San Francisco Bay-Oyster Point	15	1	6.7%
SF Bay-San Mateo Marina Lagoon	19	4	21.1%

SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	6	6.1%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	1	16.7%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	1	1.8%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Boat Storage (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	1	9.1%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	3	6.5%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	3	2.2%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	1	1.4%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	0	0.0%

SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	2	8.3%
San Francisco Bay-West	98	4	4.1%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	2	3.6%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Personal Storage (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	1	2.2%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	0	0.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	0	0.0%

SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	2	2.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix E. Garbage Cans (Non-motorized Boaters)

Waterway	Responses	Stated Need	Percent
yhn jmk	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	1	50.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	0	0.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%
SF Bay-San Mateo Marina Lagoon	19	0	0.0%

SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	0	0.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix F. Facility-related Comments from Survey Participants

Appendix F: Facility-related Comments from Survey Participants

Waterway	Facility-related Comments
Alameda Harbor/Bay	Boating access: Boat access was designed for heavy equipment on the former vNaval Base. Access needs to be redesigned for light non motorized watercrafts.
Alameda Harbor/Bay	Restrooms: Need clean restrooms.
Alameda Harbor/Bay	Access to fresh water: The Oakland/alameda estuary, especially at the MLK shoreline is a shallow and muddy place where low tide can get your gear messy. It would be nice to be able to wash gear before car-topping it.
Alameda Harbor/Bay	Access to fresh water: We want o rinse our canoes after use.
Alameda Harbor/Bay	Boat-in campsites: No need to worry about vehicles.
Alameda Harbor/Bay	Fuel. Because it would be comforting to know it was there.
Alameda Harbor/Bay	Launch spots (by hand): nice to try new places.
Alameda Harbor/Bay	Launch spots (by hand): Outrigger canoes, especially for 6 person crews, need space to rig up, launch and take out that are sandy, gently sloped areas.
Alameda Harbor/Bay	Launch spots (by other means such as trailer): It is just a mudbank currently.
Alameda Harbor/Bay	Navigation aids (buoys, trail markers): notices some of the navigational aids are in need of repair in the San Leandro Bay.
Alameda Harbor/Bay	Parking for vehicles and trailers for all who need access to the waterway.
Alameda Harbor/Bay	Security: Car break-in problems.
Anderson Lake	Access - the lake is sometimes closed due to low water levels.
Anderson Lake	Access other than the launch ramp.
Anderson Lake	They need restrooms near the lake not in the parking lot.
Anderson Lake	Additional tie-up docks - too many users tie up to the dock for extended periods and the rangers do nothing to control it. This makes it difficult (sometimes impossible) to dock and/or pickup or drop off a person to launch or remove the boat.
Anderson Lake	Docking area's, it used to have a larger dock area which was convenient for stops back at the ramp.
Anderson Lake	Low cost - California is an expensive place to live, the Bay Area in particular. Recreational boating is hard to afford on top of that.
Anderson Lake	Swimming beaches (All lakes should allow swimming).
Bodega Bay	Must have a Launch ramp to get the boat in the water. Must have a place to park the tow vehicle and trailer. Rest Rooms saves a lot of water pollution.
Bodega Bay	Restrooms: Not enough.
Bodega Bay	Access to ramps, handicap.
Bodega Bay	Clean fish cleaning station.
Bodega Bay	DAY DOCK - If there were a dock for small boats to use temporarily for 1 or 2 hours then you could go get some lunch locally and then return to the water without needing to pull your boat our and then re-launch an hour or two later.
Bodega Bay	Hand boat launch facility in south east corner of harbor near turning basin. It is out of the wind often and a wildlife rich area for wildlife viewing.
Bodega Bay	Larger launch facility with room to tie-off for a short time.

Bodega Bay	More launch ramps. Eliminate the waiting when the line gets too long you end up blocking a lane on the road.
Bodega Bay	Vehicle and trailer parking, most times ramp is crowded due to distance to parking areas. Ramp becomes backed up waiting for people picking up and dropping off vehicle.
Bodega Bay	Wash down stations. The currently are 2. Wait is typically almost an hour. Low water pressure, poor drainage.
Bolinas Lagoon	Boating access: There is no place , other than down a steep and uneven beach access.
Bolinas Lagoon	Parking: Very limited parking which leads to illegal parking, but helps keep crowds down.
Calero Reservoir	Additional docks.
Calero Reservoir	Calero needs some docks for tying up away from the launch area.
Calero Reservoir	Cleaning station.
Calero Reservoir	Dock, the main dock is really geared for motor boats.
Calero Reservoir	Dredging the Martinez Marina - putting in Fuel there - fixing/improving the break water wall.
Calero Reservoir	Fresh water rinse stations to remove salt water from boat and trailers to reduce corrosion are sorely needed at the 9th street ramp at Benicia City Mare Island/ Vallejo city ramp needs desperately dredged , rummer are that the land owner PG&E was re.
Carquinez Strait	24 hr. restroom access.
Carquinez Strait	A floating dock, along side of the Eckley Pier, to allow for boaters use of the Eckley Regional Park.....along the Carquinez Strait. That's really needed!
Carquinez Strait	Fuel, very limited in the north of San Francisco bay.
Carquinez Strait	Fuel. Because it would be nice to have available.
Carquinez Strait	Having water accessible stores and utilities could improve the experience and encourage new boaters to use the water ways. Currently there is very little between Richmond and Pittsburg.
Carquinez Strait	Mooring fields - many are gone.
Carquinez Strait	Security: They are always locked due to vandalism ,theft from vehicle.
Carquinez Strait	The boat launch at brinkman's marina is closed due to badly needed repairs.
Corte Madera Creek	Launch spots (by other means such as trailer): Ease of water-way use.
Coyote Lake	Restrooms close to lake.
Coyote Lake	Beach sites. And allow swimming.
Coyote Lake	Launch spots (by hand): Only one good place to launch by hand on the entire lake.
Del Valle Reservoir	Need restroom at Heron Bay. Maybe a floating barge with chemical toilet similar to what is available at Pardee Reservoir.
Del Valle Reservoir	Landings: need for places to have a "knee break".
Del Valle Reservoir	Landings: Only one, very short handicapped dock available to us.
Del Valle Reservoir	Boat-in campsites: I'd love to do some kayak camping.
Del Valle Reservoir	Boat-in campsites: This lake would be a perfect fit for boat-in camping, but the facilities for it do not exist (the campground is about a half mile from the lake).
Del Valle Reservoir	Launch spots (by hand): only a few place you can hand carry in.
Del Valle Reservoir	Other: Invasive mussel inspections are unfair the way they are conducted. Most boats need to be stored outside, which means they get wet. With rainwater. However, any water is assumed to be contaminated with mussels. That is unreasonable.

Drakes Estero	Launch spots (by hand): Got extremely muddy after restoration.
Foster City Lagoon	Restrooms: no comment.
Foster City Lagoon	Showers: It could be good to add showers since there is not much else around.
Foster City Lagoon	Access to fresh water: Dehydration.
Foster City Lagoon	Launch spots (by hand): There are only really 2 locations to launch and one is for commercial use.
Lafayette Reservoir	Launch spots (by hand): so you can put the boat in the water.
Lake Berryessa	Access to the lake is limited by the few operating concession areas still operating.
Lake Berryessa	Access to the lake is minimized due to government failing to administer access rights to vendors, Federal, state and local government administrators have all but destroyed one of the best lakes in California.
Lake Berryessa	Parking for Trailers. All launch facilities at the lake are over-saturated. Afternoon pick ups at the lake can take well over an hour. Launches after 10:00 AM are likely to require parking outside of the resort on the shoulder.
Lake Berryessa	Parking is an issue due to volume of people.
Lake Berryessa	Parking, Boat in Camping, Boat in Day Use. This is the largest lake in the Bay Area. It is highly visible on a map, so that alone makes it a popular destination. The lake is large enough to handle much more traffic than it currently does.
Lake Berryessa	Parking, there is not enough.
Lake Berryessa	Restrooms to prevent people from polluting the water.
Lake Berryessa	Additional Launch Ramps.
Lake Berryessa	Additional Marinas with fuel and launching.
Lake Berryessa	Adequate launch facilities.
Lake Berryessa	Boat camping since there is almost none.
Lake Berryessa	Boat camping would be nice.
Lake Berryessa	For safety improve cell service for entire lake, we get no signal @ Markley Cove but Pleasure Cove has service.
Lake Berryessa	Fuel docks too far apart.
Lake Berryessa	I shouldn't have to pay to launch a canoe.
Lake Berryessa	Launch ramps become overcrowded.
Lake Berryessa	Launch ramps for when the water level is low.
Lake Berryessa	Launch ramps. It gets crowded and people don't respect turns.
Lake Berryessa	Launch ramps. Many times the launch ramp is overcrowded (afternoon).
Lake Berryessa	Some launch ramps get very hard to maneuver when the lake gets low.
Lake Berryessa	Supply stores would encourage more use.
Lake Berryessa	water storage--the main launch ramp has been high and dry for several seasons, limiting access to one narrow ramp.
Lake Chabot	Launch spots (by hand): the docks are dirty and covered with goose poop and need to be hosed off more.
Lake Hennessey	Boat-in campsites: add to the enjoyment of the experience.
Lake Hennessey	More ramps, there is only one.
Lake Merced	Boating access: Dragon boat's major requirement is having access to dragon boats. Easier access to these will help a lot.

Lake Merced	Boating access: THE DOCK SINKS ALL THE TIME AND BROKEN ALL THE TIME.
Lake Merced	Boating access: We have to use a small canoe to paddle out just to bring back a dragon boat. Increasing size of dock would eliminate this difficulty.
Lake Merced	Parking: Have to park too far away.
Lake Merced	Parking: Parking is very limited for the amount of foot traffic at this site.
Lake Merced	Parking: There so many spots that could be used for parking but either is not painted or has the diagonal lines.
Lake Merced	Parking: There's not enough parking here during crowded times.
Lake Merced	Restrooms: Because there are only 2 stalls in the women's bathroom and when you have 6 teams of dragon batters and 4 teams of rowers - As mentioned before, we may just need a changing area to get out of wet clothes.
Lake Merced	Restrooms: Not enough of them.
Lake Merced	Landings: The dock is close to fully submerging into water when there are too many people on the landing.
Lake Merced	Landings: The dock is in poor condition (missing planks, sinking of the dock with too many people on it).
Lake Merced	Landings: The dock sinks when 8 or more people are on it. It is missing a tie off points because they are broken off. The far right corner of the dock is roped off because it is broken. The dock NEEDS to be replaced. it is only a matter of time before it completely.
Lake Merced	Landings: Too many boats and people.
Lake Merced	Landings: Wooden dock is falling apart, has many holes in it. SF Recs and Parks discussed replacing it years ago, we are still waiting.
Lake Merced	Emergency services: It's a very crowded area for the dragon boat launch and what emergency services we do have it must get gross in the shed.
Lake Merced	Launch spots (by other means such as trailer): Our dragon boats are moored in the middle of the lake, so we have to go out and get them/return them. We've been asking for a new dock for many years for safety and comfort reasons, and it's fallen on deaf ears by the SF Recs and Parks Dept. The dock would.
Lake Merritt	Parking: at some hours hard to park within half a mile.
Lake Merritt	Parking: limit on street to 2 hours can limit time on water or other club activities.
Lake Merritt	Parking: Many activities are scheduled togetherness.
Lake Merritt	Parking: Parking is on city streets and time limited, and hard to find near the boathouse. Use of facilities would be easier if we didn't have to worry about getting tickets, or have to move the car every 2 hours.
Lake Merritt	Parking: There is frequently not enough parking and people have to park in lots that are 10-15mn walk away, making it prohibitive to store gear.
Lake Merritt	Restrooms: Cleanliness, safety, security.
Lake Merritt	Restrooms: obvious health hazard.
Lake Merritt	Access to fresh water: Lake Merritt is a salt-water lake and you need fresh water to keep your boats running.
Lake Merritt	Access to fresh water: the boat needs to be rinsed of salt water.
Lake Merritt	Launch spots (by other means such as trailer): Launch ramp ends abruptly and is in too shallow of water for launching most sailboats.

Lake Merritt	Navigation aids (buoys, trail markers): I've definitely gone into shallow unmarked areas with my rented kayak before because I didn't know there was shallow water.
Lake Merritt	Security: Need to change out of wet clothing and use of the restrooms.
Lake Merritt	Security: Publicly accessible.
Lake Ralphine	Parking: There is very limited boat trailer parking and Lake Ralphine Park is multi-use, so other users take up regular parking places.
Lake Sonoma	Boating access: The ramp and dock are often crowded for the volume of boaters, especially motorized boaters.
Lake Sonoma	Bathrooms are outdated.
Lake Sonoma	Restrooms are porta potties(although the north end has vault toilets).
Lake Sonoma	Restrooms on the lake ... convenience for the ladies.
Lake Sonoma	Restrooms on the water.
Lake Sonoma	Restrooms-they are few, usually not clean porta potty-type on shore. Only one "floating" restroom, hard to access.
Lake Sonoma	Additional launch ramps.
Lake Sonoma	Boat camping. There are today boat-in campgrounds at Lake Sonoma, but they fill on most boating season weekends. Need additional sites.
Lake Sonoma	Boat in Camping is very popular there.
Lake Sonoma	Bout in camp sites. Needs cleaned up of trash and debris and bathroom needs cleaned and supplies.
Lake Sonoma	Handicap restrooms.
Lake Sonoma	Launch spots (by hand): trailer ramp is often quite crowded.
Lake Sonoma	Launch spots (by other means such as trailer): The Yorty Creek ramp at Lake Sonoma does not permit vessels on trailers for some reason. I would love to launch my small 14' non-motorized sailboat there since the lake at that end has a 5 MPH speed limit. As it is now, I must launch my sailboat at the ma.
Lake Sonoma	Navigation aides. Lake can get low in summer and several trees stick up just above the water that are not marked.
Lake Sonoma	Some people arrive with tents and permits days before their campsite occupancy in order to secure a site. More sites would help alleviate this rush for a campsite.
Lake Sonoma	The one boat ramp is always crowded.
Lake Sonoma	Tree hazard reflectors/markers/buoys. lots of trees underwater.
Lexington Reservoir	Boating Access, because of the unable to launch gas powered vehicles on the reservoir.
Lexington Reservoir	Emergency services: For occasional life threatening events i.e.. Heart attacks, boat crashes.
Mare Island Strait	Launch spots (by other means such as trailer): Too many ramps charging \$10.00 or more, the same as larger motorized boats. Need lesser rate for non-motorized craft.
Mare Island Strait-Sonoma	Would be really nice to have a place to leave the boat in order to catch the ferry or just drop someone off to catch the ferry.
Napa River	Greater access to more areas of the river.
Napa River	Restrooms: There are hardly any available.
Napa River	Fish cleaning station: there is no running water or fish cleaning station at this facility.
Napa River	Hand launch to separate power boat use from kayak/canoe, etc.
Napa River	Launch spots (by hand): Some Launch spots are not realistic to carry a kayak.

Napa River	Launch spots (by hand): Too few on the Napa river.
Napa River	Navigation aids (buoys, trail markers): Many of the buoys don't have solar lights so at sunset or night, they are dangerous.
Napa River	Pump out station: no facility exists at this launch. fish cleaning station: no facility exists at this launch.
Napa River	Security: The launch is frequented by homeless people.
Napa River	Security: The launch site has no security and is used to store boats.
Napa River	The ramp at Hudeman Slough needs to be repaired and the slough needs to be dredged for better access to the Napa river.
Napa River	The speed at which vessels travel on the Napa river. There should be more signage to prevent wake damage to the levy's. More navigation buoys.
Oakland Estuary/Harbor	Parking: Parking at most locations on the Oakland estuary are overcrowded, and parking is severely limited at launch sites.
Oakland Estuary/Harbor	Restrooms: Sometime you should visit the Oakland Aquatic Center...
Oakland Estuary/Harbor	Showers: Get the salt off the body.
Oakland Estuary/Harbor	Showers: Lots of local sports clubs use this launch
Oakland Estuary/Harbor	Landings: Docks along the estuary are rickety at best. Many of them need repair to be considered safe.
Oakland Estuary/Harbor	Boat camping would be fun.
Oakland Estuary/Harbor	Boat camping would be fun.
Oakland Estuary/Harbor	Fuel docks - to make it more convenient.
Oakland Estuary/Harbor	It would be wonderful to see more areas for boaters to explore to, like a dock at middle harbor shoreline park.
Oakland Estuary/Harbor	Launch and guest docks for short term stays, meals, shopping, etc.
Oakland Estuary/Harbor	Launch ramps and fuel docks. They are almost non-existent due to the amount of commercial businesses occupying the shore line.
Oakland Estuary/Harbor	Launch spots (by hand): current dock at Jack London Aquatic Center is old and damaged/ needs repair or replacement.
Oakland Estuary/Harbor	Launch spots (by hand): It is hazardous to health to step in the Oakland Estuary. We need more public dock space.
Oakland Estuary/Harbor	Launch spots (by hand): It's a toss up with parking. It is less desirable to trailer/cart a kayak to a put in because then you have to make another trip to stow the wheels. Being able to drive up and off load the kayak at the launch is the easiest.
Oakland Estuary/Harbor	Launch spots (by hand): There simply aren't enough hand launch spots.
Oakland Estuary/Harbor	Marine services, boat yards, dry storage. They create the community that is boating. NO MORE CONDOS! condos do not create the community that is boating.
Oakland Estuary/Harbor	More guest docks farther south down the estuary. The current facilities in Jack London are great but if there were more in Alameda and High Street area it would make the area much more attractive and I would visit restaurants down that way.
Oakland Estuary/Harbor	More pump out stations would be nice to see, if they're not convenient, or broken, people have a tendency to just flush overboard. Due to pump out hassles, I switched over to a composting head to avoid that headache.
Oakland Estuary/Harbor	More Slips they are shutting down Marinas in the bay area.
Oakland Estuary/Harbor	Only one fuel dock on the estuary. Can be very tough to fill up. Also very high priced.

Oakland Estuary/Harbor	Security: At the Jack London Aquatic Center in Oakland, we've had at least 3 robberies. The break ins were to open our storage units with our equipment. There needs to be more mandatory surveillance around our facility, whether it's cameras or patrolling office.
Oakland Estuary/Harbor	Slips, marine services, ship yards, dry storage. because they create and service the community that is boating. NO MORE CONDOS! They do not create the community that is boating.
Pacific Ocean	Access and low-impact campsites. I support improvements for short day or overnight camping trips transported primarily with muscle power but with motorized back-up.
Pacific Ocean	Boating access: Same answer as above.
Pacific Ocean	Open access to launch sites. Too many are closed by private property. Public should have much better access to the California coast.
Pacific Ocean	River access to ocean can be blocked due to low tide.
Pacific Ocean	Restrooms: Improved restroom at Russian Gulch appreciated. Van Damme next? Smelly!
Pacific Ocean	Showers: convenience.
Pacific Ocean	Access to fresh water: At the end of a salty day, it's nice to rinse gear off.
Pacific Ocean	Access to fresh water: Not critical however, water is heavy and difficult to transport in useful quantities (showering, rinsing gear, etc.).
Pacific Ocean	Boat-in campsites: It would allow for extended trips on the coast and provide a unique wilderness experience.
Pacific Ocean	Boat-in campsites: Kayak trips would be awesome on the Mendocino coast but lack of public campsites precludes this possibility.
Pacific Ocean	Boat-in campsites: There are few accessible sites with consistently safe beach landings between HMB and Santa Cruise of SF Bay. There are no boat-in campsite along this stretch of coast.
Pacific Ocean-Half Moon Bay	Access to fresh water: Extremely helpful to be able to rinse off gear and person after being in the ocean.
Pacific Ocean-Half Moon Bay	Launch spots (by hand): I hand launch my kayaks, to help with launch, easy access to the launch area is very important (i.e. close distant to the water, nearby parking, etc.).
Pacific Ocean-Half Moon Bay	Launch spots (by hand): Often launch spots and take-out spots for kayakers are the same location. These are often taken for granted in favor of motorized boats.
Petaluma River	Boating access: because our dock/ramp is one of the two non motorized boat ramps on the entire river.
Petaluma River	Boating access: Because the dock that our club uses one of the two docks for non motorized boats on the 12 mile stretch of river.
Petaluma River	Boating access: no public access.
Petaluma River	Boating access: tidal mud creates launchable access, lack of dredging in 10 years.
Petaluma River	Restrooms: Because people need places to go camp from their boats, that have restrooms and potable water.
Petaluma River	Restrooms: They do not exist.
Petaluma River	Landings: Safe stopping points along the way are critical for small craft boats for resting or in case of an emergency.
Petaluma River	Adding back launch locations that have closed or become unusable.
Petaluma River	Bathrooms.
Petaluma River	Dredging - Silting is now at a point where it has become a hazard to navigation.

Petaluma River	Security: Homeless people hanging around the parking lot.
Petaluma River	Security: No wake signs and parking lot security.
Petaluma River	Take-out spots: City of Petaluma has a plan for a water trail (Petaluma Water Ways) but it is being developed very slowly, in part because we need grants from the Dept. Of Boating & Waterways.
Petaluma River	The Petaluma River and Turning Basin have not been dredged in far too long. This reduces the amount of people who organize trips to Petaluma because of the chance of running aground. This is, by far, the most important issue regarding the Petaluma River.
Pillar Point Harbor	Parking can become full at various times of year.
Pillar Point Harbor	Parking is required along with space to store boat trailers.
Pillar Point Harbor	Restrooms: Guess.
Pillar Point Harbor	Launch ramps: keeping them dredged so that all of the ramps can be used. The left side ramp fills with sand and becomes unusable. More parking would also help for those weekends when the salmon fishing is good.
Pillar Point Harbor	Launch spots (by hand): The beach by yacht club can be very muddy and yucky at low tide.
Pillar Point Harbor	Service and repairs in case problems arise in launching, etc.
Pillar Point Harbor	Servicing - there are no repair shops here.
Redwood City Channel	Parking: Build structures near facilities.
Redwood City Channel	Parking: Parking is the main limitation to access at this location.
Redwood City Channel	Restrooms: Areas to use bathrooms are limited and can get crowded easily.
Redwood City Channel	Restrooms: Typically need to use it before and after the trip.
Redwood City Channel	Showers: There are no showers at the Marine Science Institute, and only one at the Bair Island Aquatic Center.
Redwood City Channel	Showers: Would free up ramp for motorized boaters.
Redwood City Channel	Boat-in day-use areas: Limited area to stretch and warmup.
Redwood City Channel	Launch spots (by hand): traffic.
Redwood City Channel	Security: Located near jail and homeless encampment.
Richardson Bay	Parking: I am most often out for 5-6 hours and many spots have parking for 4 hours. I have to leave my equipment and drive my car far away at many locations and it limits my paddling to when I have people to go with who can watch my stuff.
Richardson Bay	Landings: Safety.
Richardson Bay	Safe, useable landing sites, especially in Sausalito. i.e. improve Turney and Locust Street sites with are neglected, deplorable and unsafe.
Richardson Bay	Public day use dock in order to have a destination.
Richardson Bay	Public day use docking so that day trips can be made to visit on shore facilities.
Richardson Bay	Public floating docks to be able to pick up passengers, and to take a break.
Richardson Bay	Pump out stations for both bilges and waste to help keep bay clean.
Richardson Bay	Ramps and places to tie off for short and long-term.
Russian River	Boating access: Private property rights are infringing on easements to water.
Russian River	Boating access: terrible access. High fees. Hard to launch. Not enough parking.
Russian River	Parking: Parking at this location is an unpaved lot, full of ruts.
Russian River	Restrooms: many private beaches so river becomes restroom many times.
Russian River	Boat-in campsites: Would love to do multi day trips, but few legal campsites.

Russian River	Launch spots (by hand): Upper section of river has few or no public access points.
San Francisco Bay-East Bay	Boating Access. The facilities are nice, but the more access the better.
San Francisco Bay-East Bay	Boating access: Boating access includes distance to available parking. We bring own water and find alternatives to restrooms.
San Francisco Bay-East Bay	Boating access: Cal sailing club docks and hoists need maintenance.
San Francisco Bay-East Bay	Boating access: Make it easier for people to Launch human-powered craft.
San Francisco Bay-East Bay	Boating access: Many sites become very muddy at low tide.
San Francisco Bay-East Bay	Boating access: the depth of Berkeley south basin is very low, only very shallow boats can get there... and it's getting worse.
San Francisco Bay-East Bay	Boating access: To be able to access more areas.
San Francisco Bay-East Bay	Boating access: We live in the bay area. It would be great if more people/community have more access to boating.
San Francisco Bay-East Bay	Boating access: We need easy access to boats for disabled and elderly paddlers as well as for community service outings.
San Francisco Bay-East Bay	Parking is very difficult to find at any of the boat launch sites in the East Bay region.
San Francisco Bay-East Bay	Parking: Dragon boats typically have 20 or more people per boat, with 2-4 boats on the water simultaneously, and marina parking is not designed for that.
San Francisco Bay-East Bay	Parking: I need to bring a lot of gear with me, and public transit is very slow and inconvenient.
San Francisco Bay-East Bay	Parking: Lack of parking.
San Francisco Bay-East Bay	Parking: Limited parking near the water.
San Francisco Bay-East Bay	Parking: There are a lot of us who paddle.
San Francisco Bay-East Bay	Restrooms: Because they're nasty.
San Francisco Bay-East Bay	Restrooms: Comfort and public health.
San Francisco Bay-East Bay	Restrooms: Gotta pee.
San Francisco Bay-East Bay	Restrooms: It is common to need to use the restroom after a long day kayaking. And before launching as well.
San Francisco Bay-East Bay	Restrooms: Keep human waste out of the water.
San Francisco Bay-East Bay	Restrooms: Obvious reasons
San Francisco Bay-East Bay	Restrooms: People are biological, need (clean) restroom facilities. Better for everyone if waste is properly disposed of.
San Francisco Bay-East Bay	Restrooms: Really nice to have.
San Francisco Bay-East Bay	Restrooms: Restrooms prevent use of nearby bushes.
San Francisco Bay-East Bay	Restrooms: Rowers aren't angles!
San Francisco Bay-East Bay	Showers to change in after being on the water and to wash off the Bay water.
San Francisco Bay-East Bay	Showers, you come off the water sweaty and wet from being too close to the water you need to change and get clean.
San Francisco Bay-East Bay	Landings: boat ramp needs repair.
San Francisco Bay-East Bay	Landings: South sailing basin docks are in disrepair.
San Francisco Bay-East Bay	Landings: The Berkeley Marina docks are in need of considerable maintenance and rehabilitation.
San Francisco Bay-East Bay	Landings: We rely on public docks which are in dilapidated shape and need to be rebuilt or renovated as soon as possible.

San Francisco Bay-East Bay	Access to fresh water: Cleaning and prep of boats.
San Francisco Bay-East Bay	Availability of a slip for my 50 foot boat.
San Francisco Bay-East Bay	Boat camping. Everything else is fairly nice as is, and just needs to be maintained.
San Francisco Bay-East Bay	Boat-in campsites: because there isn't one -- only at Angel Island.
San Francisco Bay-East Bay	Boat-in campsites: There are almost none.
San Francisco Bay-East Bay	Boat-in campsites: There aren't any in the East Bay that I know of.
San Francisco Bay-East Bay	Camp sites. Would be nice to spend time with family.
San Francisco Bay-East Bay	Channel markers and buoys - I race my sailboat and these are important for racing.
San Francisco Bay-East Bay	Day docks. Lots of water in SF Bay and no place to tie up for the day.
San Francisco Bay-East Bay	Disagree with your breakdown. There is a big difference between smaller boats that are typically stored on trailers and launched as needed compared to larger boats that stay in the water long term. For smaller trailerable boats more dry storage access.
San Francisco Bay-East Bay	Dock maintenance.
San Francisco Bay-East Bay	Dredging in the marinas is by far the biggest issue.
San Francisco Bay-East Bay	Free Pump-out Facilities to reduce pollution inside SF Bay.
San Francisco Bay-East Bay	Hand Launch facilities for kayaks and access to potable fresh water.
San Francisco Bay-East Bay	Launch spots (by hand): Access to new locations increases the fun of boating.
San Francisco Bay-East Bay	Launch spots (by hand): docks and hand-carry launch points need frequent maintenance.
San Francisco Bay-East Bay	Launch spots (by hand): docks are falling apart and periodically closed/unsafe.
San Francisco Bay-East Bay	Launch spots (by hand): For kayakers to use waterways, they must have places to launch, preferably with parking and restrooms at a minimum.
San Francisco Bay-East Bay	Launch spots (by hand): Maintaining docks in good repair.
San Francisco Bay-East Bay	Launch spots (by hand): More boating locations accessible.
San Francisco Bay-East Bay	Launch spots (by hand): More crowding at launch spots than on the water, esp. Windsurfers.
San Francisco Bay-East Bay	Launch spots (by hand): most of the launch sites in the area are not designed to allow non-motorized use that isn't in the middle of ramps of motor boats and motorized launchers don't like to share and are often inconsiderate. some even try to capsize the non-motor boats.
San Francisco Bay-East Bay	Launch spots (by hand): My boat is heavy and I move it on 2 wheels, going over rocky areas difficult. I can't manage my 65# kayak alone going up steep area over irregular terrain with logs and rocks.
San Francisco Bay-East Bay	Launch spots (by hand): need easy access.
San Francisco Bay-East Bay	Launch spots (by hand): See previous answer.
San Francisco Bay-East Bay	Launch spots (by hand): There are limited options of places to launch.
San Francisco Bay-East Bay	Launch spots (by hand): There are only two docks on the Berkeley portion of the South Sailing Basin. With both Cal Adventures and Cal Sailing Club operating in this area, when others launch boats here, intending to use one of these two public docks, they are often already crowd.
San Francisco Bay-East Bay	Launch spots (by hand): There are very few launch spots that work well for non-motorized craft. The launch ramps for power boats are slippery to walk up and you have to be very careful to keep boats away from the concrete.
San Francisco Bay-East Bay	Launch spots (by other means such as trailer): All is well.

San Francisco Bay-East Bay	Launch spots (by other means such as trailer): because six man outrigger canoes are very large and need to be able to launch using ramps, etc.
San Francisco Bay-East Bay	Launch spots (by other means such as trailer): limited launch ramps limit more easy access to visiting teams.
San Francisco Bay-East Bay	Marina repair. Many of the docks in the bay marinas are falling apart.
San Francisco Bay-East Bay	Marinas need to be kept in safe and good conditions.
San Francisco Bay-East Bay	Moorings added at Clipper Cove, Treasure Island along with dredging of the entrance would be an significant benefit for overnight boaters.
San Francisco Bay-East Bay	Moorings are much more secure and convenient than anchoring.
San Francisco Bay-East Bay	More day docking or mooring facilities would make day trips more interesting and help increase frequency of use.
San Francisco Bay-East Bay	More marinas. Access to San Francisco bay is very limited in my area (San Jose, Fremont, etc.).
San Francisco Bay-East Bay	On-site storage for hand-launched watercraft. There has been a lot of attention lately to new launch sites, but with little or no new on-site storage. Anyone with a kayak or windsurfer on their car has many options. On-site storage, and clubs and co-ops.
San Francisco Bay-East Bay	Public transit to and from the water so we don't have to drive everywhere or do car shuttles.
San Francisco Bay-East Bay	Pump outs to keep the Bay clean.
San Francisco Bay-East Bay	Pump-out facilities need to be better addressed. Or better yet, free mobile pump-out as is regularly provided in other states (i.e. Florida). Currently, pump-out facilities are not provided in enough locations and/or are too difficult to access in windy c.
San Francisco Bay-East Bay	Security: Car break-ins are almost a common occurrence.
San Francisco Bay-East Bay	Security: Cars have been broken into and burglarized in the parking lot.
San Francisco Bay-East Bay	Security: Frequent car break ins.
San Francisco Bay-East Bay	Security: It is easy for someone to determine which cars belong to our team. Once the dragon boats are launched, they paddlers will be on the water 1 to 1-1/2 hours.
San Francisco Bay-East Bay	Security: Many break-ins to cars.
San Francisco Bay-East Bay	Security: Occasional car break-in.
San Francisco Bay-East Bay	Security: The cars parked in the parking lots were broken in quite often while we were in the boats.
San Francisco Bay-East Bay	Security: Too many occurrences of car break in's.
San Francisco Bay-East Bay	Stop power-boat operators from leaving huge wakes.
San Francisco Bay-East Bay	Storage areas. Not everyone can keep their boat in their driveway/garage etc.
San Francisco Bay-East Bay	Take-out spots: Take outs provide more safety.
San Francisco Bay-East Bay	The most important aspect to address is removing the ruins of the Berkeley pier that cause regular damage to vessels and are dangerous.
San Francisco Bay-East Bay	Transient moorings so that folks do not have to anchor..
SF Bay-Horseshoe Cove/Bay	Boating access: a popular spot for larger kayaking groups and easy to get overcrowded to launch.
SF Bay-Horseshoe Cove/Bay	Parking: It's often difficult to park near the put in .
SF Bay-Horseshoe Cove/Bay	Restrooms and shower facilities. Overcrowded and poor quality.
SF Bay-Horseshoe Cove/Bay	Restrooms: Gotta use 'em!

SF Bay-Horseshoe Cove/Bay	Restrooms: persona hygiene and environment protection.
SF Bay-Horseshoe Cove/Bay	Restrooms: Restrooms at Horseshoe Cove are nauseating and famous for it, especially on weekends.
SF Bay-Horseshoe Cove/Bay	Restrooms: The portapotties are a disgrace.
SF Bay-Horseshoe Cove/Bay	Restrooms: Um... duh.
SF Bay-Horseshoe Cove/Bay	Docks or landing points (a beach suitable for landing a small rowing craft) on or near the north shore of San Francisco. The beach at Aquatic Park is usual not a safe place to land due to surf conditions.
SF Bay-Horseshoe Cove/Bay	Boat in day use areas. Very few available in the beautiful bay.
SF Bay-Horseshoe Cove/Bay	Dredging without which there would be no boating.
SF Bay-Horseshoe Cove/Bay	Except for yacht clubs transient facilities are limited.
SF Bay-Horseshoe Cove/Bay	Floating docks for visiting craft. It is difficult to find docks accessible to small sailing vessels on the north shore of San Francisco.
SF Bay-Horseshoe Cove/Bay	Fuel dock - no fuel dock is available at Treasure Island.
SF Bay-Horseshoe Cove/Bay	Fuel docks. With the closure of both fuel docks on San Rafael Creek, my closest fuel docks are over 10 miles away, and I don't regularly go near them on the way to any of my normal destinations.
SF Bay-Horseshoe Cove/Bay	fuel, very limited.
SF Bay-Horseshoe Cove/Bay	Hand Launch areas allow for exploration of more areas.
SF Bay-Horseshoe Cove/Bay	Landing areas including restaurants and stores provide for a more varied boating experience.
SF Bay-Horseshoe Cove/Bay	Launch spots (by other means such as trailer): current launch ramp has broken sections making it difficult to use a trailer, secondary ramp has rocks and not usable by trailer.
SF Bay-Horseshoe Cove/Bay	Loch Lomond fuel dock needs to be re-opened. Not only is it an inconvenience to many boaters, it has increased the risk of fuel spills as people are bringing fuel via cans to refuel their boats.
SF Bay-Horseshoe Cove/Bay	Marine services boats needing bottom paint not many in san San Francisco.
SF Bay-Horseshoe Cove/Bay	More pump out facilities, especially at Angel Island, to avoid the temptation of boaters to dump their holding tank into the Bay.
SF Bay-Horseshoe Cove/Bay	Transient facilities are rare in SF Bay. We need access to all the great points of interest, restaurants, etc.
SF Bay-Horseshoe Cove/Bay	Transient facilities including boat trailer parking; would allow more multi-day trips and reduce daily launch ramp demand.
San Francisco Bay-Islais Creek	Landings: Dangerous glass and sharp rocks.
San Francisco Bay-Islais Creek	Access to fresh water: We now have a porta-potty, but all fresh water has to be brought with you, including what is required for rinsing the salt water off metal boat parts.
San Francisco Bay-Islais Creek	Other: It's a rough neighborhood. Need better control of garbage dumping and homelessness.
San Francisco Bay-North Bay	Out of motorized boaters way.
San Francisco Bay-North Bay	Boating access: Boat access is fundamental - the more access spots allows for a greater variety of paddles.
San Francisco Bay-North Bay	Boating access: Carrying a boat is a drag; dragging a boat is worse. Easy access to the water is everything.
San Francisco Bay-North Bay	Boating access: Need a place to safely leave vehicle and access water.

San Francisco Bay-North Bay	Boating access: There is no shore access in Tiburon.
San Francisco Bay-North Bay	Boating access: We live in the Bay Area. It would be great if more people/community can have access to boating.
San Francisco Bay-North Bay	Parking: access has declined over the years, due to development and parks charging more for access, parking is limited.
San Francisco Bay-North Bay	Parking: parking and restrooms. Pretty obvious.
San Francisco Bay-North Bay	Parking: put-ins in San Francisco have almost zero all-day parking.
San Francisco Bay-North Bay	Restrooms: Comfort.
San Francisco Bay-North Bay	Restrooms: Health issue. Portable toilets at Horseshoe Cove often are filthy.
San Francisco Bay-North Bay	Restrooms: improve quality.
San Francisco Bay-North Bay	Restrooms: Only one now.
San Francisco Bay-North Bay	Restrooms: Other facilities and services OK. Restrooms either unavailable or need additional cleaning.
San Francisco Bay-North Bay	Restrooms: Parking and bathrooms. Duh.
San Francisco Bay-North Bay	Restrooms: Porta-potties and other restrooms in California are usually disgusting, if they are even present.
San Francisco Bay-North Bay	Restrooms: really?
San Francisco Bay-North Bay	Restrooms: The current porta-potties are adequate and well maintained, as porta-potties go, but real bathrooms would be a plus.
San Francisco Bay-North Bay	Landings: Access.
San Francisco Bay-North Bay	Landings: Safety.
San Francisco Bay-North Bay	Landings: very few docks accommodate rowing boats .
San Francisco Bay-North Bay	Access to fresh water: Drinking water is key. Potable water is necessary for life.
San Francisco Bay-North Bay	Access to fresh water: extremely helpful to have fresh water to rinse body and gear after being in the ocean.
San Francisco Bay-North Bay	Boat-in day-use areas: Destination!
San Francisco Bay-North Bay	Boat-in day-use areas: Sometimes it is hard to find an area to launch, as most spots are already taken by other boats.
San Francisco Bay-North Bay	Boat-in day-use areas: The more access there is to fun boating spots for day use, the more opportunities there are for our kids to explore different parts of the bay.
San Francisco Bay-North Bay	Boat-in day-use areas: There are basically no day-use areas where you can park your boat, as the only spaces available are those that belong to the people who live near the water.
San Francisco Bay-North Bay	Launch spots (by hand): Actually all the above facilities are needed.
San Francisco Bay-North Bay	Launch spots (by hand): ease.
San Francisco Bay-North Bay	Launch spots (by hand): Increase access.
San Francisco Bay-North Bay	Launch spots (by hand): More launch spots would mean more choices depending on water/ weather conditions, as well as time to drive issues.
San Francisco Bay-North Bay	Launch spots (by other means such as trailer): need access to launch and take out safely. existing sites are diminishing due to lack of maintenance.
San Francisco Bay-North Bay	Navigation aids (buoys, trail markers): Helps me navigate.
San Francisco Bay-North Bay	Navigation aids (buoys, trail markers): many docks and moored boats but only one true path.
San Francisco Bay-North Bay	Security: all three are needed.

San Francisco Bay-North Bay	Supply stores: Without it we can't access water.
San Francisco Bay-Oyster Point	Parking: Danger of hitting a car and causing a flat tire.
San Francisco Bay-Oyster Point	Parking: So it is convenient.
San Francisco Bay-Oyster Point	Launch spots (by other means such as trailer): Because then we won't have to bring the boats back home and bring them back again.
San Francisco Bay-Oyster Point	Launch spots (by other means such as trailer): our team was going to get one but then it was too expensive and if we parked it anywhere it would take up the parking spaces.
SF Bay-San Mateo Marina Lagoon	Boating access: Its not easy to have an access point, currently.
SF Bay-San Mateo Marina Lagoon	Showers: Get salt off body.
SF Bay-San Mateo Marina Lagoon	Boat in campsites. Would be nice to have more facilities that we can boat to.
SF Bay-San Mateo Marina Lagoon	Emergency services: For safety reasons.
SF Bay-San Mateo Marina Lagoon	Emergency services: Spots are frequently known only by their nicknames, and if there is an accident, it can be difficult to describe where the exact location is. Suggest adding emergency phones along the bay trail with phones at launch sites.
SF Bay-San Mateo Marina Lagoon	Fuel; there are only a few fuel stations in San Francisco.
SF Bay-San Mateo Marina Lagoon	launch ramps to get access to water.
SF Bay-San Mateo Marina Lagoon	Launch spots (by hand): No good spot to portage between Marina Lagoon and SF Bay.
SF Bay-San Mateo Marina Lagoon	Launch spots (by hand): Rather spend more time on the water than time needed to launch canoes.
SF Bay-San Mateo Marina Lagoon	Launch spots (by hand): When transporting non-motorized boats, there are very few spaces which allow for larger canoes to be launched closely to the water.
SF Bay-San Mateo Marina Lagoon	Mooring Fields. We need more places to safely anchor in a protected area free of ferry and ship wakes.
SF Bay-San Mateo Marina Lagoon	Security: High crime in this location.
SF Bay-San Mateo Marina Lagoon	Supply stores: nothing directly on site that we can get supplies and equipment.
SF Bay-San Rafael Canal	Boating access: There are fewer launch spots for carry in (windsurfing, kiteboarding, canoe), about 90% fewer than when I moved here (25 yrs. ago).
SF Bay-San Rafael Canal	Fuel dock. There used to be 2 fuel dock on the Canal. One of them is completely gone and the other has been closed for 2 years now. The next fuel docks are really far away.
SF Bay-San Rafael Canal	Launch spots (by hand): More access to water equals a diverse water experience and more fun in nature overall.
SF Bay-San Rafael Canal	Launch spots (by other means such as trailer): Our outrigger canoes are transported on trailers and there is only 1 ramp we can use and it is at Loch Lomand Marina.

SF Bay-San Rafael Canal	Water access. There is an old ramp right next to the Pier 15 restaurant that would make a great access point. But restaurant customers block is with their cars all the time. So you'll have to drive all the way around to Loch Lomond Marina.
San Francisco Bay-Smith Slough	Launch spots (by hand): Access.
San Francisco Bay-Smith Slough	Launch spots (by hand): Low impact and cheap.
San Francisco Bay-South Bay	Access to hand launches that are safe and clean would be great.
San Francisco Bay-South Bay	Adding more transient slips or mooring fields would make sailing in the Bay more interesting, increasing use.
San Francisco Bay-South Bay	Camping, its fun.
San Francisco Bay-South Bay	Channel is so narrow and shallow that I can only sail 2 hours before high tide to 2 hours after high tide. I had to buy a special rudder which will completely retract in order to navigate through shallow water with very messy mud below.
San Francisco Bay-South Bay	Development of safe anchorages.
San Francisco Bay-South Bay	Grocery stores for supplies.
San Francisco Bay-South Bay	Haul out facilities and marine repair services in Alameda.
San Francisco Bay-South Bay	Id love to see some kind of boat camping or even places a boat can dock for picnics with the family a place available to the public as far as I know there is nothing in our part of the bay meaning Alviso ,Redwood city.
San Francisco Bay-South Bay	Marina slips: There is up to 10 year wait lists for slips at South Beach Harbor.
San Francisco Bay-South Bay	Marinas - they keep closing due to onerous regulations and lack of dredging.
San Francisco Bay-South Bay	Marinas and services are disappearing, too few slips, transient and permanent, no repair facilities anymore. And now Svensens is being moved? No south bay repairs anymore.
San Francisco Bay-South Bay	Marinas have been closing in the South San Francisco Bay over several decades. That also means fewer fuel docks, although part of that problem is requirements for fuel docks to better prevent pollution problems and the cost to do that. There is also a l.
San Francisco Bay-South Bay	Mooring fields would benefit boaters if the South Bay.
San Francisco Bay-South Bay	More launch ramps. There are not enough launch ramps to service the entire San Francisco Bay. The current launch ramps do not have the capacity for all of the fishermen that fish the bay and ocean. The wait time can be very long up to two hours or more du.
San Francisco Bay-South Bay	More options to keep a boat in a slip Is something I would like to see.
San Francisco Bay-South Bay	Nearest fuel is Coyote Point. Regulations apparently make fuel docks uneconomic.
San Francisco Bay-South Bay	The ability to launch a non-motorized vessel, either from a launch ramp that is also used by motorized vessels, or at separate launch areas where you can hand carry or haul a small non-motorized vessel on some sort of cart and then hand launch it off a be.
San Francisco Bay-South Bay	The furthest south fuel dock is at Coyote Point Marina. It would be a big help to have a fuel dock somewhere in Redwood City.
San Francisco Bay-South Bay	Boating access: must be moor as dragon boats are at last 50 feet long.
San Francisco Bay-South Bay	Parking: When parking is crowded, Windsurfers and Kitesurfers will park illegally in emergency turn around while they rig equipment potentially blocking emergency services access.
San Francisco Bay-South Bay	Restrooms: Need bigger and cleaner restrooms.
San Francisco Bay-South Bay	Restrooms: there may not be some available and near by during the hours of practicing.

San Francisco Bay-South Bay	Showers: Need to clean off after being in salt water.
San Francisco Bay-South Bay	Access to fresh water: Need to stay hydrate, eliminate water bottle waste.
San Francisco Bay-South Bay	Boat-in campsites: Only two boat-in campsites exist on the San Francisco Bay.
San Francisco Bay-South Bay	Boat-in day-use areas: that's what I do the most of.
San Francisco Bay-South Bay	Other: lack of dry dock area for boat repairs and cleaning for any length of time with security. Most do in same day.
San Francisco Bay-West Bay	Both parking and kayak/canoe launching areas would benefit boaters in Richardson bay and other West S F Bay areas.
San Francisco Bay-West Bay	Access to pump out stations could be improved thru education with respect to availability.
San Francisco Bay-West Bay	Aside from yacht clubs, few transient facilities.
San Francisco Bay-West Bay	Bait access.
San Francisco Bay-West Bay	Big boat transient slips needed - or tie ups for shore excursions.
San Francisco Bay-West Bay	Boat in sites. Very few exist.
San Francisco Bay-West Bay	Boat ramps. There are not enough places for the public to launch, especially in the west part of the bay near the Golden Gate.
San Francisco Bay-West Bay	Crane lift facilities for launching sailboats.
San Francisco Bay-West Bay	Day Docks and to some degree, marina slips could be created at the many piers no longer used for large ships by installing floating docks. You could have parking meters for the day docks.
San Francisco Bay-West Bay	Day docks. Lots of water and no place to go. Get rid of BCDC.
San Francisco Bay-West Bay	Guest Docks, Guest Docks, Guest Docks! There needs to be more/safer places for boats to land and spend 3-4 hours without paying a full day guest slip fee.
San Francisco Bay-West Bay	Insufficient availability of diesel fuel in the North Bay, West Bay is only marginally better.
San Francisco Bay-West Bay	Launch Ramps - need more options for summertime boaters.
San Francisco Bay-West Bay	Marinas - more slips available in San Francisco.
San Francisco Bay-West Bay	Marine services, marine yards, marine stores. they create the community that is boating. NO MORE CONDOS. Condos do not create the community that is boating.
San Francisco Bay-West Bay	Marine services, marine yards, marine stores. they create the community that is boating. NO MORE CONDOS. Condos do not create the community that is boating.
San Francisco Bay-West Bay	Moorings are much more convenient than anchoring.
San Francisco Bay-West Bay	Moorings in Richardson Bay would improve safety and benefit overnight boaters. They would require enforceable limits on number of days used.
San Francisco Bay-West Bay	More mooring facilities and more boat-in restaurants/venues. There are significant waiting lists on many marinas for slips for boats and there are fewer each year facilities for crane launches for smaller sailboats. Waterside development seems to be given.
San Francisco Bay-West Bay	On-site storage. This is necessary to support non-profit clubs or co-ops that can provide access to very low-cost non-motorized boating. See for example Cal Sailing Club and the Berkeley Racing Canoe Center, both in Berkeley. On-site private watercraft.
San Francisco Bay-West Bay	Pump outs should always be in good working order; fuel docks need to be more competitive.
San Francisco Bay-West Bay	Slips at South Beach very difficult to get during boating season.
San Francisco Bay-West Bay	The wash down area needs to be improved as far as driving in/out of the area as it is a tight fit for anything over 20ft.

San Francisco Bay-West Bay	There is always a desire for more marinas since available slips are rare and expensive.
San Francisco Bay-West Bay	Toxic Waste disposal -- diesel and gas covered rags and bilge water.
San Francisco Bay-West Bay	Transient docks; there are very few places where it's possible to tie up on a casual basis. Virtually none (with possible exception of Pier 1-1/2) in City of SF. A couple of places in Sausalito, etc.
San Francisco Bay-West Bay	Transient facilities for sail and power boats to visit points of interest on bay. Very few exist.
San Francisco Bay-West Bay	Boating access: Can't get in water without access.
San Francisco Bay-West Bay	Boating access: ease of access to the boats is most important for the regular users of this marina.
San Francisco Bay-West Bay	Boating access: More people in the SF Bay area need to be able to access this wonderful Bay.
San Francisco Bay-West Bay	Boating access: Problems arise when it's low tide and the outrigger canoes cannot be launched or picked up from the rocks.
San Francisco Bay-West Bay	Parking: I require no services or aid, just a place to park.
San Francisco Bay-West Bay	Parking: It's San Francisco nothing more to say .
San Francisco Bay-West Bay	Parking: limited spaces.
San Francisco Bay-West Bay	Parking: Many events held near Crissey Field, can be hard to park.
San Francisco Bay-West Bay	Parking: Need to drive to launch area. Parking should not be a "toll gate" for on water access.
San Francisco Bay-West Bay	Parking: Only because of rampant car break-ins. If you can't feel safe leaving your car - even without valuables in it - why not go somewhere else?
San Francisco Bay-West Bay	Parking: we can launch from rocks as well, but need parking close to the launch.
San Francisco Bay-West Bay	Restrooms: As an anti pollution practice.
San Francisco Bay-West Bay	Restrooms: convenience to everyone who boat.
San Francisco Bay-West Bay	Restrooms: Keeps the shrubbery clean.
San Francisco Bay-West Bay	Restrooms: necessary for all users .
San Francisco Bay-West Bay	Restrooms: no restrooms are currently provided but are needed by all boating personnel.
San Francisco Bay-West Bay	Restrooms: Remote locations require public urination which might be illegal.
San Francisco Bay-West Bay	Restrooms: Sometimes the porta potties are dirty and stinky. An clean and accessible bathroom near the coast guard station would be wonderful.
San Francisco Bay-West Bay	Restrooms: The vault toilets by the Horseshoe Cove fishing pier are usually disgusting. There is no public restroom by the beach on the east side. We patronize the bar and use theirs when they are open, but have to stop elsewhere in the morning.
San Francisco Bay-West Bay	Restrooms: There are no public restrooms.
San Francisco Bay-West Bay	Restrooms: There aren't any.
San Francisco Bay-West Bay	Restrooms: We are often spending the day out on the water, and usually our stops are at places where there is no restroom. Our groups prefer to meet where there are restroom facilities. So for example, the Sausalito public launch requires us to use the bathroom at.
San Francisco Bay-West Bay	Restrooms: We typically need to use restrooms before launching and upon returning from kayaking.
San Francisco Bay-West Bay	Restrooms: When you gotta go, you gotta go.
San Francisco Bay-West Bay	Showers: It is cold and windy often at Presidio Yacht Club on Sommerville Road, in Fort Baker, Sausalito, CA, and a shower would help facilitate more non-mechanized boating.

San Francisco Bay-West Bay	Boat-in campsites: I love to camp by boat and there isn't anywhere in the bay to do this.
San Francisco Bay-West Bay	Boat-in campsites: Very few exist. Those on Angel Island & Kirby Cove are booked months in advance.
San Francisco Bay-West Bay	Emergency services: For emergencies.
San Francisco Bay-West Bay	Launch spots (by hand): Currently very limited with available parking.
San Francisco Bay-West Bay	Launch spots (by hand): It is always a mess around Brocken bottles and things like this also not the most secure area. Better place to rig sails and get gear ready!
San Francisco Bay-West Bay	Launch spots (by hand): make it safer to launch a boat.
San Francisco Bay-West Bay	Launch spots (by hand): Without access to launch spots, the rest isn't that useful.
San Francisco Bay-West Bay	Launch spots (by other means such as trailer): Long dragon boat is normally left in salt-water; boat maintenance is best on trailer to clean underneath boat.
San Francisco Bay-West Bay	Other: Hard to carry kayak to launch site parking needs to be close
San Francisco Bay-West Bay	Security: Cars have been broken into in this location, multiple times in our group, just in 2017.
San Francisco Bay-West Bay	Security: knowing the area is safe and secure is the most important when the group is away on the water.
San Francisco Bay-West Bay	Security: Recent extremely frequent car break ins. Otherwise, ongoing emergency services and maintaining navigation aids are always important.
San Francisco Bay-West Bay	Security: We have car break-ins almost every day that we park there.
San Francisco Bay-West Bay	Take-out spots: There are very few in SF Bay. Some are not adequate at low water. the whaleboats are taken out to trailer to race locations.
San Francisco Bay-West Bay	The North Lake dock has outlived its safety and function. Sinks with 20 paddlers standing on it to load. Multiple users scheduled at same time with programs focused on youth. Algae growth, bird poops...
San Leandro Bay	Parking areas. Very limited parking areas are available.
San Leandro Bay	Restrooms: current restroom facility has no doors and few supplies (toilet paper).
San Leandro Bay	Launch spots (by other means such as trailer): 6man outrigger canoes are safest when launched from a ramp with a dock. The one that is shared w/ motorized craft today causes crowding and grumpiness when boats cannot get in and out effectively.
San Leandro Bay	Navigation aids (buoys, trail markers): Old damaged or missing channel markers.
San Pablo Bay	Black Point boat launch needs to be dredged....I can only launch/haul out on high tides.
San Pablo Bay	Boat-in day-use areas: There's not too many places to haul out and maybe picnic or relax; that would be nice, to have a "destination".
San Pablo Bay	I am aware of none of these facilities existing on this waterway.
San Pablo Bay	It would be great to have a mooring field at China Camp. I do not always enjoy anchoring out at night.
San Pablo Bay	Launch sites, because there are few on San Pablo Bay.
San Pablo Bay	More or wider ramps with lighting--ramps are narrow, congested during waterfowl season, and poorly lit, making rapid launching difficult.
San Pablo Bay	Navigation buoys for shallow water & hazards under water needed for safety.
San Pablo Bay	Ramps so you don't mess up the trailer.
San Pablo Bay	Supply stores: Gas and supply's would be nice to.
San Pablo Reservoir	Restrooms need to be emptied more often.

San Pablo Reservoir	A little better buoy system. There are shallow water areas that could be better marked.
San Pablo Reservoir	Day docks to tie up and get out to the shore.
San Pablo Reservoir	Fish cleaning station so we can clean the fish there.
San Pablo Reservoir	Launch spots (by hand): There are 2 small hand launch ramps.
Shadow Cliffs Lake	Landings: Sometime the boat ramp gets crowded.
Shadow Cliffs Lake	Access to fresh water: No place to wash boats and equipment.
Shadow Cliffs Lake	Launch Ramp has a curve in it which makes it difficult to back a boat in.
Shadow Cliffs Lake	The tie up dock needs to be dredged under so it floats when the water level gets low.
Spring Lake	There is no parking for trailers.
Spring Lake	Better boat ramp.
Spring Lake	Launch spots (by other means such as trailer): The boat ramp is the only one on the lake, and it gets overgrown with tulies. The rangers do not seem to care when requested to cut them back or remove them. The tulies have also overgrown many other parts of the lake's shoreline and choked off fishing.
Suisun Bay	Restrooms - none to be found after leaving ramp.
Suisun Bay	Restrooms: Humans need to relive themselves & they will do so with or without facilities.
Suisun Bay	Channel markers.
Suisun Bay	Fuel is expensive and scarce.
Suisun Bay	Increased storage facilities. It's a pain to drag the boat out of present storage and back again. This would increase boat usage dramatically.
Suisun Bay	Keeping ramp deep enough to prevent damage to boat.
Suisun Bay	Launch ramps, not enough difficult to access some parts.
Suisun Bay	Markers.... their are many places were a large boat could run a ground.
Suisun Bay	Security: Low law enforcement presence, people park and hang out in the car and it seems like they're looking for people leaving personal belongings in car for them to steal.
Suisun Bay	Security: My car was broken into even when all of my items were stowed away.
Suisun Slough	Restrooms: I'm over 50 and have to pee often.
Suisun Slough	Restrooms: restroom facilities on site aren't open beyond 5 pm.
Suisun Slough	Restrooms: The current restrooms are atrocious, and severely inadequate for the amount of traffic.
Suisun Slough	Showers: For wet feet and dogs.
Suisun Slough	Landings: no where to get out once you start the trip. more landings would be more appealing for discovery or needed rest.
Suisun Slough	Boat-in campsites: Campsites for overnight use in Suisun Slough area would be a fantastic improvement.
Suisun Slough	Our boats are big and we typically try top berth them on site. Marina is great when they are in a region and willing to accommodate dragon boats. Aquatic centers tend to be like country clubs and a bit too exclusive - especially because they receive top dollar.
Tomaes Bay	Boating access: Access to rivers and lakes is often limited by private property.
Tomaes Bay	Boating access: Similar problem: there is only one real choice for renting kayaks for overnight trips, so without competition their gear is breaking yet they still rent it out.
Tomaes Bay	Parking: It takes a vehicle to bring a kayak to the water.
Tomaes Bay	Parking: Miller launch area is limited parking, very full on weekends.

Tomales Bay	Parking: Nick's Cove parking lot fills up .
Tomales Bay	Parking: Often difficult to find parking.
Tomales Bay	Parking: Often filled in Summer.
Tomales Bay	Parking: overnight parking is the biggest limiter in where we can launch.
Tomales Bay	Parking: very limited parking .
Tomales Bay	Restrooms: It would be nice to have more restrooms at Nick's Cove, which is heavily used by many types of boaters.
Tomales Bay	Restrooms: Women don't like to pee outdoors or over the side of a boat.
Tomales Bay	Access to fresh water: Carrying water.
Tomales Bay	Boat-in campsites: Boat-in Camping is a rare opportunity and is wonderful.
Tomales Bay	Boat-in campsites: Currently now possible.
Tomales Bay	Boat-in campsites: It is nice to camp away from others.
Tomales Bay	Boat-in campsites: Need boat-in campsites for a SF Bay and Delta "Trail" for non-motorized boats.
Tomales Bay	Launch spots (by hand): It would be great to have a launch spot closer to the mouth of Tomales Bay. There's not much there now.
Tomales Bay	Launch spots (by hand): Property owners have eliminated historical access in the town of Marshall.
Tomales Bay	Launch spots (by hand): The more of a variety of launch spots the better.
Tomales Bay	Launch spots (by hand): To be able to visit different areas.
Tomales Bay	Launch spots (by other means such as trailer): Hand launching and trailer launching are competing for the same launch area.
Tomales Bay	Launch spots (by other means such as trailer): Not many available.
Tomales Bay	Launch spots (by other means such as trailer): Only two exist.
Tomales Bay	Launch spots (by other means such as trailer): there is no boat ramp, I want to sail my little dingy there but cannot.
Tomales Bay	Supply stores: no spot of last minute items.
Vasona Lake	Parking: Make sure we can get access.

N=462

Appendix G. Boating Issues Reported by Motorized Boaters

Appendix G. High Facility Use Fee (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	3	11.5%
Bodega Bay	16	1	6.3%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	3	30.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	11	18.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	1	25.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	3	14.3%
Pacific Ocean	9	1	11.1%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	3	9.4%
San Francisco Bay- West Bay	58	9	15.5%
San Francisco Bay-East Bay	47	2	4.3%
SF Bay-Horseshoe Cove/Bay	53	6	11.3%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	2	22.2%
Shadow Cliffs Lake	4	1	25.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	1	50.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Invasive Species (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	3	11.5%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	1	5.9%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	0	0.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	0	0.0%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	2	6.3%
San Francisco Bay- West Bay	58	0	0.0%
San Francisco Bay-East Bay	47	3	6.4%
SF Bay-Horseshoe Cove/Bay	53	1	1.9%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	2	10.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Overcrowded (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	10	38.5%
Bodega Bay	16	6	37.5%
Calero Reservoir	14	5	35.7%
Carquinez Strait	17	1	5.9%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	7	11.5%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	7	25.9%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	1	11.1%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	4	33.3%
Richardson Bay	9	1	11.1%
Russian River	3	1	33.3%
San Francisco Bay- South Bay	32	0	0.0%
San Francisco Bay- West Bay	58	3	5.2%
San Francisco Bay-East Bay	47	0	0.0%
SF Bay-Horseshoe Cove/Bay	53	3	5.7%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	1	100.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	1	100.0%

Appendix G. Poor Ramp Conditions (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	2	7.7%
Bodega Bay	16	3	18.8%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	4	23.5%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	22	36.1%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	1	50.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	3	11.1%
Lexington Reservoir	4	2	50.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	2	16.7%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	4	44.4%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	3	33.3%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	1	3.1%
San Francisco Bay- West Bay	58	4	6.9%
San Francisco Bay-East Bay	47	3	6.4%
SF Bay-Horseshoe Cove/Bay	53	3	5.7%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	2	66.7%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	2	10.5%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	1	25.0%
Spring Lake	1	1	100.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	1	5.0%
Tomales Bay	11	2	18.2%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Poor Road Access (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	0	0.0%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	1	1.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	2	22.2%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	1	3.1%
San Francisco Bay- West Bay	58	1	1.7%
San Francisco Bay-East Bay	47	0	0.0%
SF Bay-Horseshoe Cove/Bay	53	0	0.0%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Issues with Motorized Boaters (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	1	3.8%
Bodega Bay	16	2	12.5%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	1	5.9%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	6	9.8%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	4	14.8%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	1	4.8%
Pacific Ocean	9	0	0.0%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	1	11.1%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	1	3.1%
San Francisco Bay- West Bay	58	6	10.3%
San Francisco Bay-East Bay	47	3	6.4%
SF Bay-Horseshoe Cove/Bay	53	1	1.9%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	1	5.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	2	28.6%
Anderson Lake	26	0	0.0%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	0	0.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	1	4.8%
Pacific Ocean	9	0	0.0%
Petaluma River	13	2	15.4%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	2	22.2%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	0	0.0%
San Francisco Bay- West Bay	58	1	1.7%
San Francisco Bay-East Bay	47	2	4.3%
SF Bay-Horseshoe Cove/Bay	53	1	1.9%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	1	11.1%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	1	3.8%
Bodega Bay	16	1	6.3%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	2	20.0%
Del Valle Reservoir	15	1	6.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	2	3.3%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	1	3.7%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	1	4.8%
Pacific Ocean	9	0	0.0%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	0	0.0%
San Francisco Bay- West Bay	58	2	3.4%
San Francisco Bay-East Bay	47	1	2.1%
SF Bay-Horseshoe Cove/Bay	53	0	0.0%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	1	33.3%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	3	11.5%
Bodega Bay	16	6	37.5%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	7	41.2%
Contra Loma Reservoir	1	1	100.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	2	13.3%
Lafayette Reservoir	1	1	100.0%
Lake Berryessa	61	7	11.5%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	1	50.0%
Lake Merced	1	0	0.0%
Lake Solano	1	1	100.0%
Lake Sonoma	27	8	29.6%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	2	50.0%
Mare Island Strait-Sonoma	2	1	50.0%
Napa River	12	2	16.7%
Oakland Estuary/Harbor	21	10	47.6%
Pacific Ocean	9	2	22.2%
Petaluma River	13	2	15.4%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	3	33.3%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	13	40.6%
San Francisco Bay- West Bay	58	21	36.2%
San Francisco Bay-East Bay	47	18	38.3%
SF Bay-Horseshoe Cove/Bay	53	15	28.3%
SF Bay-San Mateo Marina Lagoon	9	3	33.3%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	1	14.3%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	10	52.6%
San Pablo Reservoir	9	3	33.3%
Shadow Cliffs Lake	4	2	50.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	6	54.5%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Insufficient Water Depth (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	11	42.3%
Bodega Bay	16	1	6.3%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	3	17.6%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	6	60.0%
Del Valle Reservoir	15	4	26.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	15	24.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	3	11.1%
Lexington Reservoir	4	3	75.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	4	33.3%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	2	22.2%
Petaluma River	13	3	23.1%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	0	0.0%
Russian River	3	1	33.3%
San Francisco Bay- South Bay	32	8	25.0%
San Francisco Bay- West Bay	58	1	1.7%
San Francisco Bay-East Bay	47	3	6.4%
SF Bay-Horseshoe Cove/Bay	53	7	13.2%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	2	66.7%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	3	15.8%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	1	25.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	5	25.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Lack of Parking (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	2	28.6%
Anderson Lake	26	0	0.0%
Bodega Bay	16	4	25.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	18	29.5%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	4	14.8%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	1	8.3%
Oakland Estuary/Harbor	21	3	14.3%
Pacific Ocean	9	2	22.2%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	6	50.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	1	3.1%
San Francisco Bay- West Bay	58	8	13.8%
San Francisco Bay-East Bay	47	5	10.6%
SF Bay-Horseshoe Cove/Bay	53	5	9.4%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	1	100.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	2	10.0%
Tomales Bay	11	2	18.2%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	1	100.0%

Appendix G. Reservations Required (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	9	34.6%
Bodega Bay	16	1	6.3%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	0	0.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	1	3.7%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	0	0.0%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	2	6.3%
San Francisco Bay- West Bay	58	1	1.7%
San Francisco Bay-East Bay	47	1	2.1%
SF Bay-Horseshoe Cove/Bay	53	1	1.9%
SF Bay-San Mateo Marina Lagoon	9	1	11.1%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	1	9.1%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Poor Water Quality (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	1	3.8%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	1	5.9%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	1	10.0%
Del Valle Reservoir	15	3	20.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	1	1.6%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	1	4.8%
Pacific Ocean	9	0	0.0%
Petaluma River	13	4	30.8%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	1	11.1%
Russian River	3	1	33.3%
San Francisco Bay- South Bay	32	4	12.5%
San Francisco Bay- West Bay	58	5	8.6%
San Francisco Bay-East Bay	47	1	2.1%
SF Bay-Horseshoe Cove/Bay	53	0	0.0%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	2	10.5%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Floating Debris (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	0	0.0%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	2	14.3%
Carquinez Strait	17	2	11.8%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	0	0.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	2	7.4%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	4	33.3%
Oakland Estuary/Harbor	21	5	23.8%
Pacific Ocean	9	0	0.0%
Petaluma River	13	1	7.7%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	5	15.6%
San Francisco Bay- West Bay	58	5	8.6%
San Francisco Bay-East Bay	47	8	17.0%
SF Bay-Horseshoe Cove/Bay	53	6	11.3%
SF Bay-San Mateo Marina Lagoon	9	2	22.2%
SF Bay-San Rafael Canal	3	2	66.7%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Reckless PWC Operators (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	2	7.7%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	3	21.4%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	3	4.9%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	7	25.9%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	0	0.0%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	1	8.3%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	1	3.1%
San Francisco Bay- West Bay	58	1	1.7%
San Francisco Bay-East Bay	47	2	4.3%
SF Bay-Horseshoe Cove/Bay	53	3	5.7%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	3	15.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Issues with Shipping Vessels (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	1	14.3%
Anderson Lake	26	0	0.0%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	0	0.0%
Carquinez Strait	17	1	5.9%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	0	0.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	0	0.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	0	0.0%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	0	0.0%
Oakland Estuary/Harbor	21	0	0.0%
Pacific Ocean	9	0	0.0%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	0	0.0%
San Francisco Bay- West Bay	58	2	3.4%
San Francisco Bay-East Bay	47	2	4.3%
SF Bay-Horseshoe Cove/Bay	53	4	7.5%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	0	0.0%
San Pablo Reservoir	9	0	0.0%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	0	0.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix G. Lack of Law Enforcement (Motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	7	0	0.0%
Anderson Lake	26	0	0.0%
Bodega Bay	16	0	0.0%
Calero Reservoir	14	1	7.1%
Carquinez Strait	17	0	0.0%
Contra Loma Reservoir	1	0	0.0%
Coyote Lake	10	0	0.0%
Del Valle Reservoir	15	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	61	0	0.0%
Lake Chabot	1	0	0.0%
Lake Hennessey	2	1	50.0%
Lake Merced	1	0	0.0%
Lake Solano	1	0	0.0%
Lake Sonoma	27	1	3.7%
Lexington Reservoir	4	0	0.0%
Mare Island Strait-Solano	4	0	0.0%
Mare Island Strait-Sonoma	2	0	0.0%
Napa River	12	2	16.7%
Oakland Estuary/Harbor	21	1	4.8%
Pacific Ocean	9	0	0.0%
Petaluma River	13	0	0.0%
Pillar Point Harbor	12	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	3	0	0.0%
San Francisco Bay- South Bay	32	0	0.0%
San Francisco Bay- West Bay	58	0	0.0%
San Francisco Bay-East Bay	47	1	2.1%
SF Bay-Horseshoe Cove/Bay	53	0	0.0%
SF Bay-San Mateo Marina Lagoon	9	0	0.0%
SF Bay-San Rafael Canal	3	0	0.0%
San Francisco Bay-Smith Slough	7	0	0.0%
San Francisco Bay-West	1	0	0.0%
San Leandro Bay	1	0	0.0%
San Pablo Bay	19	1	5.3%
San Pablo Reservoir	9	1	11.1%
Shadow Cliffs Lake	4	0	0.0%
Spring Lake	1	0	0.0%
Stevens Creek Reservoir	2	0	0.0%
Suisun Bay	20	2	10.0%
Tomales Bay	11	0	0.0%
Uvas Reservoir	1	0	0.0%
Vasona Lake	1	0	0.0%

Appendix H. Boating Issues Reported by Non-motorized Boaters

Appendix H. Boating Access (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	3	11.5%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	1	33.3%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	1	11.1%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	1	7.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	2	4.3%
Lake Merritt	38	2	5.3%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	1	4.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	3	14.3%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	1	11.1%
Russian River	12	3	25.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	4	3.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	5	7.2%

San Francisco Bay-Oyster Point	15	0	0.0%
San Francisco Bay-San Mateo Marina Lagoon	19	3	15.8%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	7	7.1%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	2	25.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomales Bay	55	5	9.1%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix H. Overcrowded (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	1	33.3%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	1	100.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	1	100.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	12	26.1%
Lake Merritt	38	2	5.3%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	1	12.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	1	4.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	2	7.1%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	3	13.6%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	4	3.0%
SF Bay-Horseshoe Cove/Bay	10	2	20.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	2	2.9%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	1	5.3%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	1	33.3%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	6	6.1%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	1	33.3%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	7	12.7%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	6	23.1%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	1	33.3%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	2	18.2%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	2	15.4%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	1	50.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	14	30.4%
Lake Merritt	38	4	10.5%
Lake Ralphine	4	1	25.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	1	100.0%
Montezuma Slough	2	0	0.0%
Napa River	11	4	36.4%
Oakland Estuary/Harbor	25	4	16.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	1	4.8%
Pillar Point Harbor	7	2	28.6%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	11	8.1%
SF Bay-Horseshoe Cove/Bay	10	1	10.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	4	5.8%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	1	5.3%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	2	8.3%
San Francisco Bay-West	98	4	4.1%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	2	25.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	3	5.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	1	100.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	10	7.4%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	1	5.3%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	1	4.2%
San Francisco Bay-West	98	2	2.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomales Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	1	25.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	1	50.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	1	50.0%
Napa River	11	1	9.1%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	4	3.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	0	0.0%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	1	1.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	2	25.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	1	1.8%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	1	100.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	1	12.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	1	4.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	1	0.7%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	3	4.3%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	2	10.5%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	1	1.0%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	1	16.7%
Suisun Slough	7	2	28.6%
Tomaes Bay	55	1	1.8%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix H. Shipping Vessels (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	1	4.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	5	3.7%
SF Bay-Horseshoe Cove/Bay	10	3	30.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	2	2.9%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	0	0.0%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	2	2.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	2	7.7%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	1	2.2%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	4	16.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	1	11.1%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	6	4.4%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	2	2.9%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	0	0.0%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	1	4.2%
San Francisco Bay-West	98	5	5.1%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	2	33.3%
Suisun Slough	7	2	28.6%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	1	3.8%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	2	66.7%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	1	11.1%
Drakes Estero	2	1	50.0%
Foster City Lagoon	13	2	15.4%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	1	25.0%
Lake Merced	46	16	34.8%
Lake Merritt	38	8	21.1%
Lake Ralphine	4	2	50.0%
Lake Solano/Putah Creek	2	1	50.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	1	9.1%
Oakland Estuary/Harbor	25	5	20.0%
Pacific Ocean-Half Moon Bay	10	2	20.0%
Pacific Ocean	28	2	7.1%
Petaluma River	21	1	4.8%
Pillar Point Harbor	7	1	14.3%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	4	18.2%
Richardson Bay	9	2	22.2%
Russian River	12	1	8.3%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	15	11.1%
SF Bay-Horseshoe Cove/Bay	10	2	20.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	14	20.3%
San Francisco Bay-Oyster Point	15	1	6.7%

San Francisco Bay-San Mateo Marina Lagoon	19	3	15.8%
SF Bay-San Rafael Canal	16	3	18.8%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	3	12.5%
San Francisco Bay-West	98	26	26.5%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	18	32.7%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix H. Reservations Required (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	0	0.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	0	0.0%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	0	0.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomales Bay	55	3	5.5%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	2	15.4%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	1	50.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	10	21.7%
Lake Merritt	38	5	13.2%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	2	100.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	1	9.1%
Oakland Estuary/Harbor	25	5	20.0%
Pacific Ocean-Half Moon Bay	10	3	30.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	4	19.0%
Pillar Point Harbor	7	1	14.3%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	4	18.2%
Richardson Bay	9	2	22.2%
Russian River	12	2	16.7%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	9	6.7%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	2	66.7%
San Francisco Bay-North Bay	69	7	10.1%
San Francisco Bay-Oyster Point	15	1	6.7%

San Francisco Bay-San Mateo Marina Lagoon	19	2	10.5%
SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	3	12.5%
San Francisco Bay-West	98	2	2.0%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	1	16.7%
Suisun Slough	7	2	28.6%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

Appendix H. Floating Debris (Non-motorized Boaters)

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	3	11.5%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	1	11.1%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	1	7.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	3	6.5%
Lake Merritt	38	4	10.5%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	3	27.3%
Oakland Estuary/Harbor	25	5	20.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	1	3.6%
Petaluma River	21	3	14.3%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	3	13.6%
Richardson Bay	9	1	11.1%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	9	6.7%
SF Bay-Horseshoe Cove/Bay	10	2	20.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	10	14.5%
San Francisco Bay-Oyster Point	15	3	20.0%

San Francisco Bay-San Mateo Marina Lagoon	19	3	15.8%
SF Bay-San Rafael Canal	16	3	18.8%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	1	4.2%
San Francisco Bay-West	98	3	3.1%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	2	28.6%
Tomales Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	1	16.7%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	1	100.0%
Carquinez Strait	11	1	9.1%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	1	100.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	3	37.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	1	50.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	1	10.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	2	9.5%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	3	13.6%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	5	3.7%
SF Bay-Horseshoe Cove/Bay	10	1	10.0%
San Francisco Bay-Islais Creek	3	1	33.3%
San Francisco Bay-North Bay	69	4	5.8%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	3	15.8%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	6	6.1%
San Leandro Bay	5	1	20.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	1	14.3%
Tomaes Bay	55	1	1.8%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	1	3.8%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	1	7.7%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	0	0.0%
Lake Merritt	38	1	2.6%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	1	4.5%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	0	0.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	0	0.0%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	1	4.2%
San Francisco Bay-West	98	1	1.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	1	1.8%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	0	0.0%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	0	0.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	0	0.0%
Contra Loma Reservoir	2	0	0.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	0	0.0%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	0	0.0%
Lafayette Reservoir	1	0	0.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	0	0.0%
Lake Merced	46	2	4.3%
Lake Merritt	38	0	0.0%
Lake Ralphine	4	0	0.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	0	0.0%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	0	0.0%
Montezuma Slough	2	0	0.0%
Napa River	11	0	0.0%
Oakland Estuary/Harbor	25	0	0.0%
Pacific Ocean-Half Moon Bay	10	0	0.0%
Pacific Ocean	28	0	0.0%
Petaluma River	21	0	0.0%
Pillar Point Harbor	7	0	0.0%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	0	0.0%
Richardson Bay	9	0	0.0%
Russian River	12	0	0.0%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	0	0.0%
SF Bay-Horseshoe Cove/Bay	10	0	0.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	0	0.0%
San Francisco Bay-Oyster Point	15	0	0.0%

San Francisco Bay-San Mateo Marina Lagoon	19	1	5.3%
SF Bay-San Rafael Canal	16	0	0.0%
San Francisco Bay-Smith Slough	3	0	0.0%
San Francisco Bay-South Bay	24	0	0.0%
San Francisco Bay-West	98	0	0.0%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	0	0.0%
San Pablo Reservoir	2	1	50.0%
Shadow Cliffs Lake	3	0	0.0%
Spring Lake	8	0	0.0%
Suisun Bay	6	0	0.0%
Suisun Slough	7	0	0.0%
Tomaes Bay	55	0	0.0%
Utica Reservoir	1	0	0.0%
Vasona Lake	6	0	0.0%

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

Waterway	Responses	Stated Issue	Percent
Alameda Harbor/Bay	26	8	30.8%
Bodega Bay	10	0	0.0%
Bolinas Lagoon	3	0	0.0%
Briones Reservoir	2	1	50.0%
Calero Reservoir	1	0	0.0%
Carquinez Strait	11	2	18.2%
Contra Loma Reservoir	2	1	50.0%
Corte Madera Creek	1	0	0.0%
Coyote Lake	1	0	0.0%
Del Valle Reservoir	9	3	33.3%
Drakes Estero	2	0	0.0%
Foster City Lagoon	13	3	23.1%
Lafayette Reservoir	1	1	100.0%
Lake Berryessa	4	0	0.0%
Lake Chabot	2	0	0.0%
Lake Hennessey	4	1	25.0%
Lake Merced	46	2	4.3%
Lake Merritt	38	6	15.8%
Lake Ralphine	4	1	25.0%
Lake Solano/Putah Creek	2	0	0.0%
Lake Sonoma	8	1	12.5%
Lexington Reservoir	1	0	0.0%
Mare Island Strait	1	1	100.0%
Montezuma Slough	2	0	0.0%
Napa River	11	1	9.1%
Oakland Estuary/Harbor	25	1	4.0%
Pacific Ocean-Half Moon Bay	10	5	50.0%
Pacific Ocean	28	7	25.0%
Petaluma River	21	2	9.5%
Pillar Point Harbor	7	3	42.9%
Quarry Lakes	1	0	0.0%
Redwood City Channel	22	2	9.1%
Richardson Bay	9	1	11.1%
Russian River	12	2	16.7%
San Francisco Bay-Coyote Point	4	0	0.0%
San Francisco Bay-East Bay	135	27	20.0%
SF Bay-Horseshoe Cove/Bay	10	2	20.0%
San Francisco Bay-Islais Creek	3	0	0.0%
San Francisco Bay-North Bay	69	11	15.9%
San Francisco Bay-Oyster Point	15	3	20.0%

San Francisco Bay-San Mateo Marina Lagoon	19	3	15.8%
SF Bay-San Rafael Canal	16	1	6.3%
San Francisco Bay-Smith Slough	3	1	33.3%
San Francisco Bay-South Bay	24	8	33.3%
San Francisco Bay-West	98	15	15.3%
San Leandro Bay	5	0	0.0%
San Pablo Bay	6	1	16.7%
San Pablo Reservoir	2	0	0.0%
Shadow Cliffs Lake	3	1	33.3%
Spring Lake	8	1	12.5%
Suisun Bay	6	0	0.0%
Suisun Slough	7	1	14.3%
Tomaes Bay	55	10	18.2%
Utica Reservoir	1	1	100.0%
Vasona Lake	6	1	16.7%

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
Alameda Bay/Harbor	1	0	1	0	0	1	0	0	0	0	0	3
Alviso Slough/Guadalupe River	1	0	0	0	0	0	0	0	0	0	0	1
Anderson Lake	1	0	0	0	0	0	0	0	0	0	0	1
Bethany Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Bodega Bay	4	3	3	0	0	1	0	0	0	0	0	11
Bolinas Lagoon	0	0	0	0	0	1	0	0	0	0	1	2
Calero Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Carquinez Strait	5	3	4	0	1	0	0	0	1	0	2	16
Chesbro Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Clifton Court Forebay	0	0	0	0	0	1	0	0	0	0	0	1
Corte Madera Creek	0	0	0	0	0	1	0	0	0	0	0	1
Coyote Lake	0	0	0	0	0	1	0	0	0	0	0	1
Foster City Lagoon	2	0	0	0	0	0	0	0	0	0	0	2
Lake Berryessa	6	2	3	0	0	2	0	4	0	1	0	18
Lake Chabot	1	0	0	0	0	0	0	0	0	0	0	1
Lake Cunningham	1	0	1	0	0	0	0	0	0	0	0	2
Lake Elizabeth	1	1	1	0	0	0	0	0	0	0	0	3
Lake Hennessey	1	0	0	0	0	0	0	0	0	0	0	1
Lake Merced	2	1	0	0	0	0	0	0	0	0	0	3
Lake Merritt	1	1	1	0	0	0	0	0	0	0	1	4
Lake Ralphine	1	0	0	0	0	0	0	0	0	0	0	1
Lake Solano/Putah Creek	1	0	0	0	0	0	0	0	0	0	0	1
Lake Sonoma	1	1	0	0	0	0	0	0	0	0	0	2
Lexington Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Mare Island Strait	4	1	2	0	0	0	0	0	0	0	0	7
Montezuma Slough	1	0	0	0	0	0	0	0	0	0	0	1
Napa River	5	2	2	1	0	2	0	0	0	0	0	12
Oakland Estuary/Harbor	3	3	14	0	0	0	0	0	1	0	1	22
Pacific Ocean	1	0	0	0	0	1	0	0	0	0	0	2
Petaluma River	3	1	3	0	0	2	0	0	0	0	0	9
Pillar Point Harbor	2	0	2	1	0	0	0	0	0	0	0	5
Quarry Lakes	0	0	0	0	0	1	0	0	0	0	0	1
Redwood Creek	1	1	3	1	0	0	0	0	0	0	0	6
Richardson Bay	2	3	13	0	0	1	0	0	0	0	0	19
Rush Creek	0	0	0	0	0	1	0	0	0	0	0	1
Russian River	1	0	0	0	0	5	0	0	0	0	0	6
Sacramento River	0	0	0	0	0	1	0	0	0	0	0	1
Sacramento-San Joaquin Delta	10	8	21	0	0	19	0	0	1	0	3	62
San Francisco Bay	24	15	36	2	5	14	2	0	2	0	14	114
San Joaquin River	0	0	0	0	0	6	0	0	0	0	0	6
San Leandro Bay	1	0	0	0	0	0	0	0	0	0	1	2
San Pablo Bay	1	1	1	0	0	1	0	0	0	0	0	4
San Pablo Reservoir	2	0	1	0	0	0	0	0	0	0	0	3
San Rafael Creek	1	1	0	0	0	1	0	0	0	0	0	3
Santa Fe Channel	0	0	0	0	0	1	0	0	0	0	0	1
Shadow Cliffs Lake	1	0	0	0	0	0	0	0	0	0	0	1
Spring Lake	1	0	0	0	0	0	0	0	0	0	0	1
Steven's Creek Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Suisun Bay	1	1	1	0	0	1	0	0	0	0	0	4
Suisun Slough	2	0	1	0	0	0	0	0	0	0	1	4
Tomaes Bay	3	1	2	1	0	0	0	0	1	0	0	8
Uvas Reservoir	1	0	0	0	0	0	0	0	0	0	0	1
Vasona Lake	1	1	0	0	0	0	0	0	0	0	0	2
Total Count	107	51	116	6	6	65	2	4	6	1	24	388

Appendix J. Launch Locations by Waterway

Appendix J. Launch Locations Reported by Boaters

Launch Location	Frequency Reported
Alameda Harbor/Bay	
Alameda	2
Alameda Seaplane Lagoon	3
Berkeley Main Marina	1
Beach	1
Crown Beach	1
EBRPD MLK Shoreline parks	1
Encinal Boat Main Launch	4
Grand Main Marina	2
Jack London Aquatic Center	1
Main Marina Village	1
Oakland Estuary Park	1
San Leandro	1
Tidewater	1
Turning Basin	1
Anderson Lake	
Anderson Lake County Park Main Launch	7
Beach	1
Dam Main Launch	4
Main Launch	11
Bodega Bay	
Doran Beach	6
Ft. Ross	1
Main Marina	1
Moran Beach State Park	1
Porto bodega	1
Sonoma County Park	1
Spud Point	2
West County Main Launch	3
Westside Regional Park	2
Bolinas Lagoon	1
Bolinas Main Launch	1
Briones Reservoir	
Main Launch	2
Calero Reservoir	
Benicia Ninth Street Launch	1
Calero County Park	3
Main Launch	5
Martinez Main Marina	1

Santa Clara County Launch	1
Carquinez Strait	
9th Street Boat Main Launch, Benicia	4
Berkeley	1
Brinkmans Main Marina	1
From my Main Marina Slip	1
Glen Cove Main Marina	1
Harvey Bear Ranch County Park	1
Lauritzen Yacht Harbor	1
Marin Yacht Club	1
Martinez	3
Pittsburg Main Marina	1
South Beach Main Marina	1
Travel from San Francisco Bay by Boat	1
Vallejo Yacht Club	1
Contra Loma Reservoir	
Main Launch	2
Corte Madera Creek	
Main Launch	1
Coyote Lake	
Coyote Main Launch	1
Dell Valle Park	2
Main Launch	6
Sandy Beach	1
Del Valle Reservoir	
Beach	1
Del Valle Main Launch	20
Drakes Estero	
Former Oyster Farm	1
Foster City Lagoon	
Beach Park	1
Foster City Dog Park	3
Foster City Lagoon	1
Main Launch	1
Lafayette Reservoir	
Main Launch	2
Lake Berryessa	
Capell Cove	10
Main Launch	6
Markley Cove	17
Oak Shores	2
One of the resorts	1
Paradise Cove	1

Pleasure Cove Main Marina	4
Putah Canyon Campground	4
Steele Canyon	11
Lake Chabot	
Lake Chabot Main Marina	2
Lake Hennessey	
Public Main Launch	1
Lake Merced	
At Main Launch	1
Boats are Stored on the Water	1
Dragon boat Main Launchs	1
Lake Merced Main Launch	18
Main Launch at the Northern End	2
North Side	1
Lake Merritt	
Lake Merritt Boathouse	9
Lake Merritt Sailing Center	1
Main Launch at Lake Merritt Rowing Club	6
Lake Ralphine	
Santa Ros Lake Ralphine	1
Lake Solano	
County Park	1
Pullout at Lake Solano	1
Lake Sonoma	
Bridge Area Main Launch	2
Federal Launching Main Launch	1
Lake Sonoma Main Marina	8
Public Boat Main Launch	11
Public Main Launch at the Dam.	1
Public Main Launch Rock Pile Road	1
State Owned Main Launch	2
Yorty Creek	2
Lexington Reservoir	
Alma Bridge	1
Main Launch	2
Mare Island Strait	
Vallejo Main Launch	1
Brinkmans Main Marina	1
Glen Cove Main Marina	1
Main Boat Launch	1
Millie's Bait Shop Launch	1

Montezuma Slough

Tower Park	1
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Napa River

100 Riverside Drive Boat Main Launch	2
Cuttings Warf	5
Hudeman Slough	1
Main Launch Next to Napa Yacht Club	1
My Home	3
Napa Valley Yacht Club Launch	3
Pond 1	1
Riverside Drive	1
Vallejo Municipal	2

Oakland Estuary/Harbor

6th Ave Main Marina	1
Aeolian Main Marina	1
Alameda Main Marina	3
Emeryville Main Marina	1
Fortman Main Marina Alameda	1
Grand Main Marina	2
Jack London Aquatic Center	5
Kept at Main Marina in water	1
Main Launched at Embarcadero Cove	1
Main Marina Village Yacht Harbor	5
Mariner Square Dry Stack Main Marina	1
Moored at Jack London Aquatic Center	1
Nob Hill	1
Oakland Aquatic Center	2
Oakland Main Marina	1
Oakland Yacht Club	2
Union Point Basin	1

Pacific Ocean

Half Moon Bay Yacht Club	1
HMB Harbor	1
Mavericks Harbor	1
Old Pier	1
Pillar Point Harbor Beach Main Launch	2
Albion River Campground	2
Bodega Bay	1
Chrissy Field	1
Dillon Beach, Tomales	1
Doran Beach	1
Goat Rock	2
Humboldt Bay	1

Pillar Harbor	1
Princeton Harbor	1
Redwood City Main Marina	1
Russian Gulch	1
Russian River	1
Stillwater Cove County Park	2
Van Dam State Park	4
Various Beaches	1

Petaluma River

Bel Marin Keys Main Launch	1
Black Point	1
City Main Launch	1
Launch at Sheraton Hotel	1
North Bay Rowing Club	2
Paddle Club	1
Petaluma Main Marina	10
Petaluma Municipal Main Launch	1
Turning Basin	1

Pillar Point Harbor

Beach	2
Beach next to Pillar Point Main Launch	1
Half Moon Bay Yacht Club, 214 Princeton Ave., Half Moon Bay	2
Pillar Point Harbor Public Main Launch	9

Redwood City Channel

Bair Island Aquatic Center	5
Gray Main Launchs	1
Kilohana OCC	1
Main Launch	1
Marine Science Institute	1
Redwood City Main Launch	1
Stored on Water	1
Westpoint Harbor	1

Richardson Bay

Berthed in the Water	1
Clipper Yacht Harbor	4
Home on Corta Madera Creek	1
Richardson Bay	1
Sausalito Yacht Harbor	2
Schomaker Beach	2

Russian River

Campsite Near Mouth of River	1
Cloverdale	1

From Vacation Home	1
Geyserville	1
Hacienda Bridge	1
Mother's House	1
Sonoma Coast State Park: Jenner: Estuary Loop Access	1
Steelhead Beach - Mirabel Park	1

San Francisco Bay

101 Surf Sports Main Launch	5
3rd Ave Lower Beach	1
5th Ave Main Marina	1
Aeolian Yacht Harbor	1
Alameda Estuary	1
Alameda Main Marina	5
Alviso Main Marina County Park	3
Aquatic Park	4
Avila Beach	1
Bair Island Main Marina	4
Ballena Isle Main Marina	1
Baywinds Park, Foster City	2
Beach Below the Yacht Club	1
Bel Marin Keys Main Launch	1
Benicia 9th St Main Launch	2
Berkeley	6
Berkeley Aquatic Park	1
Berkeley Main Marina	55
Berkeley Small Boat Hoist	1
Berkeley South Sailing Basin	2
Berth in SF Main Marina	1
Berthed in South Beach Harbor	1
Brickyard Cove Main Marina	4
Brisbane Main Marina	2
Cal Sailing Club	10
Candlestick Park	2
China Camp	1
Chrissy Field	13
Clipper Yacht Harbor	2
Commodore Jones Point	1
Corinthian Yacht Club	1
Coyote Point Regional Park	2
Deep Water Channel	1
Dolphin Club	3
Don Edwards San Francisco Bay National Wildlife Refuge	3
Dragon Boat is in the Water or on a Lift Next to the Water	1

East Beach - Presidio	1
East Fort Baker	1
EBRPD MLK Jr Regional Shoreline	1
Embarcadero Cove Main Launch	1
Emery Cove Main Marina	3
Emery Cove Yacht Harbor	2
Emeryville Main Marina	3
Encinal Boat Main Launch	6
Ferry Point	3
Fort Baker CGS	6
Fortman Main Marina, Alameda	2
Foster City Boat Park	1
Foster City Lagoon	1
From Sailboat	1
Sausalito	2
Gallagher	1
Grand Avenue, Alameda Island	1
Grand Main Marina	5
Half Moon Bay	1
Hoist	1
Home	3
Horseshoe Bay	2
Horseshoe Cove	16
Horseshoe Harbor	1
Islais Creek	2
Jack London Aquatic Center	2
Lake Merced	1
Lauritzens Main Marina	1
Loch Lomond Main Marina, San Rafael	5
Main Launch at Foster City	1
Main Launch by Encinal High School	1
Main Marina	2
Main Marina Bay Yacht Harbor	2
Main Marina Bay, Richmond	2
Main Marina Bay/Shimada Friendship Park	1
Main Marina Village Yacht Harbor	7
Marin Yacht Club	5
Marine Science Institute	1
Mariner Square Dry Stack Main Marina	1
Martinez Main Marina	3
Miller Main Launch (Nick's Cove), Tomales Bay	1
Mission Rock	2
MSI Main Launch	1

My Home	1
Richardson Bay	1
North Lake, Lake Merced San Francisco	1
Oakland Estuary	1
Oakland Yacht Club	2
Open Water Rowing - Schoonmacher Main Marina	2
Oyster Point Main Marina	23
Palo Alto	1
Paradise Cay Yacht Harbor	2
Park at 10 Quint St	1
Petaluma River	2
Pier 52	1
Port of Redwood City	1
Presidio Yacht Club	2
Private Main Launch	2
Pt Richmond	2
Redwood City	5
Redwood City Seaside	1
Richmond Main Marina	5
Richmond Yacht Club	5
SALT POINT	1
SAN FRANCISCO Main Marina	1
San Francisco Small Craft Main Marina	1
San Francisco Yacht Club	4
San Leandro Shoreline Recreation Area	1
San Rafael 101 sports	1
Sausalito	6
Sausalito Schoonmaker Beach	6
Sausalito Yacht Harbor	3
SeaTrek	2
SF Main Marina	1
SF Mission Bay	3
SF Yacht Harbor	1
Shore	1
Slip	1
South Beach Harbor	10
South Beach Main Marina - Pier 40	2
South Berkeley Basin	2
St. Francis Yacht Club and Grand Main Marina in Alameda	1
Starkweather Shoreline Park, San Rafael	1
Stockton Yacht Club	1
Sugar Barge	1
Third Ave	1

Tidewater Boating Center Oakland	2
Treasure Island Sailing Center	4
Union Point Main Marina	2
Vincent Park	1
Westpoint Harbor	2

San Leandro Bay

Alameda Beach	1
San Leandro Main Marina	2
Stone Boat Yard	1
Tidewater Park Oakland	1

San Pablo Bay

101 Surf Sports Main Launch	1
Glen Cove Main Marina	1
Hudeman Slough	1
Kennedy Park, Napa	1
Loch Lomand Main Launch	5
Main Boat Launch	1
Mcavoy	1
Petaluma River	1
Richmond Main Marina	1
Richmond Yacht harbor	2
San Rafael Main Marina	1
Timber Cove	1
Vallejo Yacht Club	1

San Pablo Reservoir

Main Boat Launch	6
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Shadow Cliffs Lake

Main Boat Launch	2
Shadow Cliffs Main Launch	1

Spring Lake

Main Launch	3
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Stevens Creek Reservoir

County Boat Main Launch	2
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Suisun Bay

9th Street Boat Main Launch, Benicia	1
Beldon's Landing	1
Brannan Island	2
County Park	1
Martinez Main Marina	3
McAvoy Yacht Harbor	2
Moored	1
Pittsburg Main Marina	1
Suisun Main Launch	4

Suisun Main Marina	3
Suisun Waterlife Center	1
Suisun Slough	
Suisun Main Marina	4
Suisun Waterfront	1
Tomales Bay	
Chicken Ranch	3
Doran Beach	1
Hearts Desire Beach	2
Hog Island Main Launch	1
Inverness (Blue Waters Kayaking)	1
Lawson's Landing	1
Main Launch	1
Marconi Cove	3
Marshall	1
Miller Boat Main Launch	14
Nicks Cove	11
Oyster Point	1
Russian River	1
Vasona Lake	
County Park Main Launch	1
Main Launch	1
Oyster Point Main Marina	2

Total Count=900