Final Analysis of the 2009 California Survey of Registered Pleasure Craft Owners: Usage and Storage

Prepared for the California Air Resources Board by the Institute for Social Research at California State University, Sacramento

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Section 1: Methodology

The Institute for Social Research (ISR) at California State University, Sacramento conducted a computer assisted telephone interview (CATI) of registered pleasure craft (PC) owners to provide the California Air Resources Board (ARB) with information about statewide usage and storage of PCs. The ARB provided the ISR with Department of Motor Vehicles (DMV) registration records of PCs in the state of California. This dataset included all registrations for PCs statewide. ARB also provided data for pleasure crafts registered with the Coast Guard and requested that these respondents comprise five percent of the survey respondents. The Coast Guard data did not include propulsion type, so PC propulsion types were collected during the interview.

Sample Selection:

The study criteria for inclusion of owners in the sample consisted of the following elements: currently registered PC with model year of 1970 or later, propulsion types including I (Inboard), O (Outboard), A (Auxiliary and Sail), J (Jet), and N (Inboard/Outboard), and for non-commercial use only. The DMV registered PC population meeting these criteria is 670,118 and the Coast Guard registered PC population is 7,797. As requested by the ARB, potential respondents were disqualified if they had not used their PC in the past two years or if they had an electric engine only.

Registration records for both the DMV and Coast Guard registration contained the name and address of registered owners, but did not contain a phone number. To conduct a household telephone survey, ISR had Scientific Telephone Samples (STS) match the DMV and Coast Guard registration data against an STS database and append matched phone numbers. The total sample sent to STS for the DMV data was 73,918. The phone numbers matched were 24,953, a match rate of 34 percent. The total sample for the Coast Guard data was 7,797 and the phone numbers matched were 2,222 for a match rate of 28 percent.

To ensure that there was a representative sample of households with registered PC owners, a random sample was selected using the random selection function in SPSS (the Statistical Package for the Social Sciences). Then a multi-step process was undertaken to identify records of owners with multiple PCs. For the DMV registration data, duplicate names and addresses were identified and a single record was selected to get a random sample of households. After the phone numbers were appended, the sample was checked for duplicate phone numbers. Out of the 24,953 DMV sample records matched there were 24,394 unduplicated sample records available for the study. Due to the small population size of the Coast Guard registration data only a duplicate check of phone numbers was conducted. Of the 2,222 Coast Guard sample records matched there were 2,196 unduplicated records. Together these constitute the sampling frame for the study.

Interview Summary:

The survey was conducted using WinCATI software from Sawtooth Technologies. The ability to generalize survey results to a larger population depends on the response rate of a survey. The use of CATI helps increase the accuracy of responses collected and reduces the non-response rate. The non-response rate is reduced by making multiple attempts to reach potential respondents. These call attempts are randomly spread throughout the course of a study so that numbers are not called at the same time of day or on the same day of the week over and over again.

The analysis described in this report is based on telephone interviews conducted from March 18, 2009 to April 5, 2009. Of the 1,661 registered owners contacted 1,123 participated in the interview, providing a response rate of 68 percent (Table 1). Most interviews (94%) were conducted with the registered owner of the PC. The remaining six percent were conducted with another person who uses the PC.

Table 1: Survey Response Rate

	Number of cases	Percentage
Completed interviews	1,123	67.6%
Partial interviews	23	1.4%
Refusals	515	31.0%
Total	1,661	100.0%

The distribution of the survey respondents by county is representative of the study population as shown in Table 2. The Coast Guard registration data did not have a county of residence. The 7,797 Coast Guard registration records were not included in the population by county table. The sample and survey respondent data includes the Coast Guard data. Table 3 shows the length of the PC in feet from both the DMV and Coast Guard registration records. Length was not collected on the second PC.

Section 2 of this report describes the responses to the survey questions. As requested by the ARB, respondents were asked the same questions about a second PC. Information was collected from 87 respondents on their second PC and of those only 24 respondents said the usage and storage information was different for the second PC (27.6%). In the summary of survey responses, the report focuses on the first PC, unless there are notable differences with responses for the second PC.

Table 2: Distribution of Study Population, Sample, and Survey Respondents by County[a]

	Study Population		Sample Population		Survey Respondents	
	N	%	N	%	N	%
Alameda	18,547	2.8%	838	3.2%	34	3.0%
Alpine	63	0.0%	2	0.0%	1	0.1%
Amador	2,220	0.3%	55	0.2%	2	0.2%
Butte	11,364	1.7%	513	1.9%	25	2.2%
Calaveras	3,974	0.6%	118	0.4%	7	0.6%
Colusa	1,024	0.2%	42	0.2%	2	0.2%
Contra Costa	27,167	4.1%	1,303	4.9%	57	5.1%
Del Norte	916	0.1%	37	0.1%	1	0.1%
El Dorado	10,385	1.5%	411	1.5%	15	1.3%
Fresno	15,877	2.4%	623	2.3%	19	1.7%
Glenn	1,343	0.2%	53	0.2%	2	0.2%
Humboldt	4,980	0.7%	236	0.9%	12	1.1%
Imperial	1,612	0.2%	72	0.3%	4	0.4%
Inyo	742	0.1%	31	0.1%	4	0.4%
Kern	13,047	1.9%	503	1.9%	28	2.5%
Kings	2,187	0.3%	102	0.4%	6	0.5%
Lake	5,730	0.9%	188	0.7%	13	1.2%
Lassen	2,064	0.3%	53	0.2%	1	0.1%
Los Angeles	89,585	13.4%	3,421	12.9%	107	9.5%
Madera	4,412	0.7%	158	0.6%	9	0.8%
Marin	5,556	0.8%	298	1.1%	14	1.2%
Mariposa	998	0.1%	39	0.1%	2	0.2%
Mendocino	3,309	0.5%	142	0.5%	4	0.4%
Merced	4,829	0.7%	181	0.7%	6	0.5%
Modoc	426	0.1%	9	0.0%	1	0.1%
Mono	719	0.1%	17	0.1%	2	0.2%
Monterey	6,109	0.9%	250	0.9%	8	0.7%
Napa	4,257	0.6%	232	0.9%	11	1.0%
Nevada	6,606	1.0%	312	1.2%	19	1.7%
Orange	51,833	7.7%	2,154	8.1%	76	6.8%
Placer	15,705	2.3%	561	2.1%	25	2.2%
Plumas	1,889	0.3%	58	0.2%	2	0.2%
Riverside	43,433	6.5%	1,629	6.1%	54	4.8%
Sacramento	33,988	5.1%	1,188	4.5%	65	5.8%
San Benito	1,499	0.2%	73	0.3%	2	0.2%
San Bernardino	39,925	6.0%	1,282	4.8%	45	4.0%
San Diego	47,234	7.0%	1,891	7.1%	75	6.7%
San Francisco	2,838	0.4%	143	0.5%	7	0.6%
San Joaquin	18,802	2.8%	678	2.5%	32	2.8%
San Luis Obispo	9,213	1.4%	452	1.7%	29	2.6%
San Mateo	9,374	1.4%	438	1.6%	12	1.1%
Santa Barbara	7,207	1.1%	337	1.3%	13	1.2%
Santa Clara	21,400	3.2%	933	3.5%	47	4.2%
Santa Cruz	5,145	0.8%	247	0.9%	11	1.0%
Shasta	13,584	2.0%	557	2.1%	30	2.7%
Sierra	156	0.0%	2	0.0%	--	--
Siskiyou	2,701	0.4%	118	0.4%	11	1.0%
Solano	11,795	1.8%	533	2.0%	32	2.8%
Sonoma	13,828	2.1%	654	2.5%	31	2.8%
Stanislaus	14,126	2.1%	586	2.2%	26	2.3%
Sutter	4,321	0.6%	162	0.6%	7	0.6%
Tehama	3,177	0.5%	135	0.5%	5	0.4%
Trinity	1,107	0.2%	19	0.1%	1	0.1%
Tulare	6,591	1.0%	256	1.0%	6	0.5%
Tuolumne	3,540	0.5%	148	0.6%	8	0.7%
Ventura	18,518	2.8%	796	3.0%	39	3.5%
Yolo	4,573	0.7%	205	0.8%	9	0.8%
Yuba	3,212	0.5%	114	0.4%	7	0.6%
Out of State	9,356	1.4%	2	0.0%	--	--
Total	670,118[b]	100.0%	26,590	100.0%	1,123	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Coast Guard data was excluded from population due to not having county information.

Table 3: Length of PC in Feet[a][b]

Length in Feet	Number of cases	Percentage
5	1	0.1%
7	13	1.2%
8	36	3.2%
9	38	3.4%
10	75	6.7%
11	23	2.0%
12	32	2.8%
13	19	1.7%
14	53	4.7%
15	26	2.3%
16	67	6.0%
17	67	6.0%
18	113	10.1%
19	108	9.6%
20	102	9.1%
21	73	6.5%
22	48	4.3%
23	28	2.5%
24	24	2.1%
25	14	1.2%
26	13	1.2%
27	9	0.8%
28	13	1.2%
29	4	0.4%
30	12	1.1%
31	7	0.6%
32	6	0.5%
33	11	1.0%
34	7	0.6%
35	12	1.1%
36	13	1.2%
37	6	0.5%
38	7	0.6%
39	7	0.6%
40	4	0.4%
41	3	0.3%
42	7	0.6%
43	3	0.3%
44	5	0.4%
45	1	0.1%
46	1	0.1%
47	4	0.4%
48	1	0.1%
49	2	0.2%
50	1	0.1%
52	2	0.2%
55	1	0.1%
79	1	0.1%
Total	1,123	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] We did not collect information on length for the 2nd PC.

Section 2: Summary of Survey Responses

General Information on Pleasure Crafts

The most common model year range of the PCs in this study was 2001 to 2005 (21%) (Table 4).

Table 4 : Model Year of Pleasure Craft in Ranges of 5 Years[a]

	Year of PC	Number of cases	Percentage
1st PC	1970 to 1975	68	6.1%
	1976 to 1980	96	8.5%
	1981 to 1985	120	10.7%
	1986 to 1990	186	16.6%
	1991 to 1995	158	14.1%
	1996 to 2000	211	18.8%
	2001 to 2005	233	20.7%
	2006 to 2007	51	4.5%
	Total	1,123[b]	100.0%
2nd PC	1969 or older	5	5.7%
	1970 to 1975	8	9.2%
	1975 to 1980	5	5.7%
	1981 to 1985	7	8.0%
	1986 to 1990	11	12.6%
	1991 to 1995	16	18.4%
	1996 to 2000	12	13.8%
	2001 to 2005	11	12.6%
	2006 to 2009	12	13.8%
	Total	87[c]	100.0%

[a] Percentages may not sum to 100 percent due to rounding.
[b] Year provided by the DMV and Coast Guard registration data.
[c] Year provided by respondent.

More than one-third (36%) of respondents had outboard propulsion. The second most common propulsion type was inboard/outboard (28%) (Table 5).

Table 5: "What is the Propulsion Type of This Craft?"[a]

Propulsion Type	1st PC		2nd PC	
	N	%	N	%
Inboard	153	13.6%	10	11.5%
Auxiliary and Sail	43	3.8%	--	--
Outboard	407	36.2%	31	35.6%
Jet	186	16.6%	32	36.8%
Inboard/Outboard	315	28.0%	7	8.0%
Don't know/ refused	19	1.7%	7	8.0%
Total	1,123	100.0%	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Nine-out-of-ten respondents (90%) indicated their PC had one engine while only six percent had more than one engine (Table 6).

Table 6: "How Many Engines Does Your Pleasure Craft Use for Propulsion?"[a]

	Number of engines	Number of cases	Percentage
1st PC	1	1,008	89.8%
	2	95	5.8%
	3 or more	2	0.2%
	Don't know/ refused	18	1.6%
	Total	1,123	100.0%
2nd PC	1	82	94.3%
	2	3	3.4%
	Don't know/refused	2	2.3%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Seventeen percent of registered PC owners had 51 to 120 horsepower on the first engine. Thirty four percent of those who had a second engine had 251 to 500 horsepower. Nearly one-in-five (18%) respondents were unsure of the horsepower of their engines (Table 7).

Table 7: "What Is the Horse Power of Your Engine?"[a]

		1st Engine		2nd Engine		3rd Engine	
	Horsepower	N	%	N	%	N	%
1st PC	0 to 2	4	0.4%	1	1.0%	--	--
	3 to 15	100	9.0%	23	23.7%	1	50.0%
	16 to 25	65	5.9%	3	3.1%	--	--
	26 to 50	128	11.6%	--	--	--	--
	51 to 120	187	16.9%	6	6.2%	--	--
	121 to 175	115	10.4%	8	8.2%	--	--
	176 to 250	125	11.3%	5	5.2%	1	50.0%
	251 to 500	163	14.8%	33	34.0%	--	--
	500 or more	16	1.4%	1	1.0%	--	--
	Don't know /refused	202	18.3%	17	17.5%	--	--
	Total	1,105[b]	100.0%	97	100.0%	2	100.0%
2nd PC	0 to 2	1	1.1%	--	--	--	--
	3 to 15	10	11.5%	2	40.0%	--	--
	16 to 25	4	4.6%	--	--	--	--
	26 to 50	6	6.9%	--	--	--	--
	51 to 120	14	16.1%	--	--	--	--
	121 to 175	10	11.5%	--	--	--	--
	176 to 250	7	8.0%	1	20.0%	--	--
	251 to 500	17	19.5%	--	--	--	--
	500 or more	4	4.6%	--	--	--	--
	Don't know /refused	14	16.1%	2	40.0%	--	--
	Total	87	100.0%	5	100.0%	--	--

[a] Percentages may not sum to 100 percent due to rounding.

[b] Eighteen missing cases due to respondents who didn't know or refused to answer how many engines in previous question.

Only 13 percent of respondents had replaced their PC engine. Of those who had replaced their engine, 55 percent put in a new engine, while 38 percent a rebuilt engine (Tables 8 & 9).

Table 8: "Has the Engine in Your Pleasure Craft Ever Been Replaced?"[a]

		Number of cases	Percentage
1st PC	Yes	140	12.5%
	No	968	86.2%
	Don't know/ refused	15	1.3%
	Total	1,123	100.0%
2nd PC	Yes	12	13.8%
	No	73	83.9%
	Don't know/ refused	2	2.3%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 9: "Was the Replacement Engine a New or a Rebuilt Engine?"[a]

		Number of cases	Percentage
1st PC	New	77	55.0%
	Rebuilt	55	39.3%
	Don't know/ refused	8	5.7%
	Total	140	100.0%
2nd PC	New	5	41.7%
	Rebuilt	7	58.3%
	Total	12	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

More than one-third (36%) of those who replaced their engine gave 2000 to 2009 as the model year of their new or rebuilt engines (Table 10).

Table 10: "What is the Model Year of the New or Rebuilt Engine?"[a]

	Year	Number of cases	Percentage
1st PC	1979 and older	10	7.1%
	1980 to 1989	14	10.0%
	1990 to 1999	29	20.7%
	2000 to 2009	50	35.7%
	Don't know/ refused	37	26.4%
	Total	140	100.0%
2nd PC	1979 and older	3	25.0%
	1980 to 1989	1	8.3%
	1990 to 1999	4	33.3%
	2000 to 2009	1	8.3%
	Don't know/ refused	3	25.0%
	Total	12	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

One-half (50%) of respondents said their engine used a carburetor while 39 percent said their engine used fuel injection (Table 11).

Table 11: "Does the Engine Use a Carburetor or Fuel Injection?"[a]

		Number of cases	Percentage
1st PC	Carburetor	556	49.5%
	Fuel injection	435	38.7%
	Don't know/refused	132	11.8%
	Total	1,123	100.0%
2nd PC	Carburetor	50	57.5%
	Fuel injection	30	34.5%
	Don't know/refused	7	8.0%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Nearly nine-out-of-ten respondents (89%) said their PC used gasoline, and about one-half (49%) of those engines were 4 stroke (Tables 12 & 13).

Table 12: "What Type of Fuel Do You Use in Your Pleasure Craft?"[a]

	Type of fuel	Number of cases	Percentage
1st PC	Gasoline	1,002	89.2%
	Diesel	110	9.8%
	Don't know/ refused	11	1.0%
	Total	1,123	100.0%
2nd PC	Gasoline	79	90.8%
	Diesel	6	6.9%
	Don't know/ refused	2	2.3%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 13: "Is it a 2 Stroke or a 4 Stroke?"[a]

		Number of cases	Percentage
1st PC	2 stroke	381	38.0%
	4 stroke	488	48.7%
	Don't know/ refused	133	13.3%
	Total	1,002	100.0%
2nd PC	2 stroke	35	44.3%
	4 stroke	36	45.6%
	Don't know/ refused	8	10.1%
	Total	79	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

The majority (89%) of respondents had one fuel tank in their PC (Table 14).

Table 14: "How Many Fuel Tanks Does Your Pleasure Craft Have?"[a]

	Tanks	Number of cases	Percentage
1st PC	1	931	82.9%
	2	171	15.2%
	3	8	0.7%
	4	2	0.2%
	No tank[b]	4	0.4%
	Don't know/refused	7	0.6%
	Total	1,123	100.0%
2nd PC	1	76	87.4%
	2	7	8.0%
	4	1	1.1%
	No tank[c]	1	1.1%
	Don't know/refused	2	2.3%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Four respondents said their PC did not have a fuel tank, of those one said they used gasoline, two claimed their PC was connected to a fuel line on land.

[c] This respondent said their PC was connected to a fuel line on land.

Fuel tank sizes ranged from under five gallons to more than 100 gallons. The most common response to fuel tank size was between 11 and 20 gallons (27%) for the first fuel tank. This was also the most common response for the second fuel tank along with six to ten gallons (both 21%) (Table15).

Table 15: "What Is the Size of Your Fuel Tank?"[a]

	Size of gas tank in gallons	1st Tank		2nd Tank	
		N	%	N	%
1st PC	Under 5	140	12.5%	24	13.0%
	6 to 10	166	14.9%	38	20.5%
	11 to 20	298	26.7%	38	20.5%
	21 to 30	146	13.1%	10	5.4%
	31 to 40	77	6.9%	6	3.2%
	41 to 50	39	3.5%	9	4.9%
	51 to100	71	6.4%	15	8.1%
	Over 100	63	5.6%	31	16.8%
	Don't know tank size	116	10.4%	14	7.6%
	Total	1,116[b]	100.0%	185	100.0%
2nd PC	Under 5	14	16.1%	--	--
	6 to 10	14	16.1%	2	18.2%
	11 to 20	16	18.4%	1	9.1%
	21 to 30	12	13.8%	2	18.2%
	31 to 40	6	6.9%	1	9.1%
	41 to 50	5	5.7%	--	--
	51 to100	6	6.9%	--	--
	Over 100	3	3.4%	2	18.2%
	Don't know tank size	11	12.6%	3	27.3%
	Total	87	100.0%	11	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Seven missing cases due to respondent not knowing how many fuel tanks their vessel had in the previous question.

Fuel tanks were most commonly made of plastic (38%) or metal (32%). One-in-five respondents (21%) did not know the material of their fuel tank (Table16).

Table 16: "Of Which Material Is the Fuel Tank Made?"[a]

	Material	1st Tank		2nd Tank	
		N	%	N	%
1st PC	Metal	357	31.8%	96	50.0%
	Plastic	416	37.0%	52	27.1%
	Fiberglass	115	10.2%	15	7.8%
	Composite material	3	0.3%	0	0.0%
	Don't know /refused	232	20.7%	29	15.1%
	Total	1,123	100.0	192	100.0%
2nd PC	Metal	33	37.9%	8	72.7%
	Plastic	34	39.1%	--	--
	Fiberglass	9	10.3%	--	--
	Composite material	1	1.1%	1	9.1%
	Don't know Material	10	11.5%	2	18.2%
	Total	87	100.0%	11	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Usage Information on Pleasure Crafts: Average Usage by Days, Hours, and Number of Times Pleasure Craft is Successfully Started

Due to the variance of answers given for the average number of days and hours, answers were collapsed into ranges.

Usage in the past year:

Thirteen percent of respondents said they had not used their PC in the last 12 months. One-quarter (25%) used their PC an average of one to five days in the last 12 months. Two-thirds (66%) of registered owners used their PC between one and 20 days in the past year (Table 17).

Table 17: "On Average How Many Days Did You Operate Your Pleasure Craft in the Last 12 Months?"[a]

	Average number of days	Number of cases	Percentage
1st PC	Have not used in the last 12 months	147	13.1%
	1 to 5	285	25.4%
	6 to 10	206	18.3%
	11 to 15	152	13.5%
	16 to 20	102	9.1%
	21 to 25	48	4.3%
	26 to 30	53	4.7%
	31 to 40	30	2.7%
	41 to 60	38	3.4%
	61 to 100	36	3.2%
	101 or more	13	1.2%
	Don't know/ refused	13	1.2%
	Total	1,123	100.0%
2nd PC	Have not used in the last 12 months	16	18.4%
	1 to 5	19	21.8%
	6 to 10	16	18.4%
	11 to 15	11	12.6%
	16 to 20	8	9.2%
	21 to 25	2	2.3%
	26 to 30	5	5.7%
	31 to 40	1	1.1%
	41 to 60	5	5.7%
	61 to 100	1	1.1%
	101 or more	3	3.4%
	Don't know/ refused	--	--
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Average daily use:

The majority (65%) of respondents indicated their average daily use of their PC was up to 4 hours a day. Eleven percent of registered owners used their PC more than six hours on a typical day of use (Table 18).

Table 18: "On a Typical Day of Use, Approximately How Many Hours Did You Operate Your Pleasure Craft?"[a]

	Hours	Number of cases	Percentage
1st PC	1	155	13.8%
	2	196	17.5%
	3	188	16.7%
	4	186	16.6%
	5	125	11.1%
	6	116	10.3%
	7 to 10	108	9.6%
	11 or more	16	1.4%
	Don't know/ refused	33	2.9%
	Total	1,123	100.0%
2nd PC	1	14	16.1%
	2	16	18.4%
	3	10	11.5%
	4	15	17.2%
	5	5	5.7%
	6	13	14.9%
	7 to 10	7	8.0%
	11 or more	3	3.4%
	Don't know/ refused	4	4.6%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 18a: Mean Number of Days and Hours the PC Is Used

		N	Mean	Standard Deviation	Min	Max
1st PC	2008 days[ab]	1,110	16.04	24.97	0	365
	2007 days[ac]	1,036	20.31	27.47	0	365
	Hours	1,090	3.94	2.53	1	20
2nd PC	2008 days[ab]	87	21.92	52.37	0	365
	2007 days[ac]	82	26.18	53.52	0	365
	Hours	85	4.26	4.00	0	24

[a] One respondent said 365 days which skews the means and standard deviations.

[b] Fifty-four respondents did not know the number of days they used their PC in 2007 and 33 respondents gave answers that did not make sense; these responses were excluded from the totals.

[c] Three respondent did not know usage in 2007 and two gave answers that did not make sense; these responses were excluded from the totals.

Year to year usage:

The majority of respondents (52%) said their usage in 2007 was the same as 2008. Thirty-five percent of respondents reported using their PC more in 2007 than in 2008 and only 12 percent said their usage was less in 2007 than in 2008 (Table 19).

Table 19: "Was the Use of Your Pleasure Craft in 2007 More Than, Less Than, or the Same as 2008?"[a]

		Number of cases	Percentage
1st PC	More than	395	35.2%
	Less than	133	11.8%
	Same	583	51.9%
	Don't know/ refused	12	1.1%
	Total	1,123	100.0%
2nd PC	More than	28	32.2%
	Less than	11	12.6%
	Same	46	52.9%
	Don't know/ refused	2	2.3%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 20: "How Many Days Did You Use Your Pleasure Craft in 2007?"[a]

	Number of days	Number of cases	Percentage
1st PC	Did not use in 2007	64	5.9%
	1 to 5	208	19.1%
	6 to 10	206	18.9%
	11 to 15	144	13.2%
	16 to 20	122	11.2%
	21 to 25	63	5.8%
	26 to 30	68	6.2%
	31 to 40	55	5.0%
	41 to 60	47	4.3%
	61 to 100	37	3.4%
	101 or more	22	2.0%
	Don't know/ refused	54	5.0%
	Total	1,090[b]	100.0%
2nd PC	Did not use in 2007	11	13.3%
	1 to 5	14	16.9%
	6 to 10	10	12.0%
	11 to 15	13	15.7%
	16 to 20	11	13.3%
	21 to 25	2	2.4%
	26 to 30	5	6.0%
	31 to 40	7	8.4%
	41 to 60	4	4.8%
	61 to 100	2	2.4%
	101 or more	3	3.6%
	Don't know/ refused	1	1.2%
	Total	83[b]	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Missing cases due to respondents who gave answers that did not make sense; these responses were excluded from the totals.

Successful starts:

More than one-half (55 %) of registered PC owners had one to four successful engine starts on a typical day of use. Twenty-two percent of registered owners had between seven and 20 successful starts on a typical day of use (Table 21).

Table 21: "How Many Times Do You Usually Start the Engine Successfully On a Typical Day of Use?"[a]

	Number of times successfully started	Number of cases	Percentage
1st PC	1	169	15.0%
	2	198	17.6%
	3	120	10.7%
	4	133	11.8%
	5	95	8.5%
	6	67	6.0%
	7 to 10	131	11.7%
	11 to 20	117	10.4%
	21 or more	29	2.6%
	Don't know/ refused	64	5.7%
	Total	1,123	100.0%
2nd PC	1	8	9.2%
	2	11	12.6%
	3	5	5.7%
	4	12	13.8%
	5	7	8.0%
	6	8	9.2%
	7 to 10	9	10.3%
	11 to 20	16	18.4%
	21 or more	3	3.4%
	Don't know/ refused	8	9.2%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Usage Information on PCs: Percentage Estimates of Usage during the Week and in Different Seasons

Weekly usage:

Nearly one-half (49%) of registered owners said they used their PC on both the weekdays and weekends. Thirty-six percent indicated they only used their PC on the weekends while 14 percent used their PC during the week only (Table 22).

Table 22: "When Do You Use Your Pleasure Craft?"[a]

		Number of cases	Percentage
1st PC	Weekends only (SAT-SUN)	403	35.9%
	Weekdays only (MON-FRI)	156	13.9%
	Both weekend and weekdays (SUN-SAT)	555	49.4%
	Don't know/ refused	9	0.8%
	Total	1,123	100.0%
2nd PC	Weekends only (SAT-SUN)	26	29.9%
	Weekdays only (MON-FRI)	9	10.3%
	Both weekend and weekdays (SUN-SAT)	48	55.2%
	Don't know/ refused	4	4.6%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 22a: Mean Percent of Time PC Is Used on Weekends and Weekdays

		N	Mean	SD	Min	Mix
1st PC	Weekend usage	953	71.86	27.63	1	100
	Weekday usage	706	60.09	24.44	1	100
2nd PC	Weekend usage	74	66.89	29.54	10	100
	Weekday usage	57	58.77	26.02	10	100

Weekend usage was computed by combining respondents who used their PC on the weekends only with respondents that used it both weekends and weekdays. Of those, 42 percent used their PC *only* on the weekends (Table 23).

Table 23: "Could You Please Estimate the Percentage of Time You Use Your Pleasure Craft on the Weekends Compared to the Weekdays?"[a]

	Percent of time PC is used	Weekend usage		Weekday usage	
		Number of cases	Percentage	Number of cases	Percentage
1st PC	1 to 10	19	2.0%	15	2.1%
	11 to 20	22	2.3%	38	5.4%
	21 to 30	57	6.0%	64	9.1%
	31 to 40	15	1.6%	35	5.0%
	41 to 50	285	29.9%	285	40.4%
	51 to 60	31	3.3%	13	1.8%
	61 to 70	44	4.6%	37	5.2%
	71 to 80	62	6.5%	44	6.2%
	81 to 90	14	1.5%	18	2.5%
	91 to 99	1	0.1%	1	0.1%
	100	403	42.3%	156	22.1%
	Total	953[b]	100.0%	706[b]	100.0%
2nd PC	1 to 10	2	2.7%	2	3.5%
	21 to 30	2	2.7%	3	5.3%
	31 to 40	11	14.9%	7	12.3%
	41 to 50	1	1.4%	1	1.8%
	51 to 60	19	25.7%	19	33.3%
	61 to 70	2	2.7%	1	1.8%
	71 to 80	1	1.4%	8	14.0%
	81 to 90	8	10.8%	5	8.8%
	91 to 99	2	2.7%	2	3.5%
	100	26	35.1%	9	15.8%
	Total	74[c]	100.0%	57[c]	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Five respondents who used their vessel on both weekend and weekday did not know the percentage of time they used their PC and nine respondents did not know when they used their vessel or the percentage of time used.

[c] Four respondents who used their vessel on both weekend and weekday did not know the percentage of time they used their PC.

Usage by season:

Summer (93%) was the most prevalent season respondents reported having used their PC, while winter (22%) was the least common response (Table 24).

Table 24: "In Which Seasons Do You Use Your Pleasure Craft?"[a]

	Seasons	Number of cases	Percentage
1st PC	Winter	249	22.2%
	Spring	584	52.0%
	Summer	1,046	93.1%
	Fall	490	43.6%
	Don't know/ refused	4	0.4%
	Total	2,373	[b]
2nd PC	Winter	20	23.0%
	Spring	36	41.4%
	Summer	83	95.4%
	Fall	33	37.9%
	Don't know/ refused	3	3.4%
	Total	175	[b]

[a] Percentages were figured using the total N size and not the number of responses. (1st PC: N= 1123 and 2nd PC N=87)

[b] Percentages equal more than 100 percent because each respondent could choose more than one season.

Table 24a: Mean Percent of Time PC Is Used by Season

		N	Mean	Standard Deviation	Min	Max
1st PC	Winter	247	22.72	15.32	1	100
	Spring	580	33.63	19.27	5	100
	Summer	1,042	69.51	30.39	5	100
	Fall	480	29.10	16.88	5	100
2nd PC	Winter	20	19.85	7.74	5	100
	Spring	36	24.11	12.98	5	70
	Summer	83	74.33	31.04	10	100
	Fall	33	32.27	22.37	10	100

Nearly one-half of registered owners (43%) said they used their PC 100 percent of the time in the summer (Table 25).

Table 25: "Could You Please Estimate the Percentage of Time You Use Your Pleasure Craft in Each of the Following Seasons?"[a]

	Percentage	Winter N	Winter %	Spring N	Spring %	Summer N	Summer %	Fall N	Fall %
1st PC	1 to 10	62	25.1%	43	7.4%	7	0.7%	53	11.0%
	11 to 20	33	13.4%	75	12.9%	16	1.5%	77	16.0%
	21 to 30	137	55.5%	244	42.1%	170	16.3%	225	46.9%
	31 to 40	2	0.8%	74	12.8%	72	6.9%	56	11.7%
	41 to 50	6	2.4%	104	17.9%	152	14.6%	49	10.2%
	51 to 60	--	--	5	0.9%	51	4.9%	1	0.2%
	61 to 70	1	0.4%	5	0.9%	43	4.1%	4	0.8%
	71 to 80	--	--	6	1.0%	67	6.4%	2	0.4%
	81 to 90	--	--	--	--	14	1.3%	--	--
	91 to 99	--	--	--	--	2	0.2%	--	--
	100	6	--	24	4.1%	448	43.0%	13	2.7%
	Total	247[b]	100.0%	580[b]	100.0%	1,042[b]	100.0%	480[b]	100.0%
2nd PC	1 to 10	5	25.0%	8	22.2%	1	1.2%	4	12.1%
	11 to 20	2	10.0%	3	8.3%	--	--	4	12.1%
	21 to 30	13	65.0%	20	55.6%	315	18.1%	15	45.5%
	31 to 40	--	--	2	5.6%	3	3.6%	4	12.1%
	41 to 50	--	--	2	5.6%	9	10.8%	3	9.1%
	51 to 60	--	--	--	--	1	1.2%	--	--
	61 to 70	--	--	1	2.8%	3	3.6%	--	--
	71 to 80	--	--	--	--	6	7.2%	1	3.0%
	81 to 90	--	--	--	--	2	2.4%	--	--
	91 to 99	--	--	--	--	--	--	--	--
	100	--	--	--	--	43	51.8%	2	6.1%
	Total	20	100.0%	36	100.0%	83	100.0%	33	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Missing cases are respondents who said they did not know the percentage of time used in each season.

Usage Information on PC's: Percentage Estimates by County and Waterways

Usage by county:

More than one-third of respondents (36%) used their PC only in the county in which the PC is registered. Another one-third (34%) only used their PC outside their registered county (Table 26).

Table 26: "Where Do You Typically Operate Your Pleasure Craft?"[a]

		Number of cases	Percentage
1st PC	Inside registered county only	405	36.1%
	Outside county only	379	33.7%
	Both inside and outside county	334	29.7%
	Don't know/ refused	5	0.4%
	Total	1,123	100.0%
2nd PC	Inside registered county only	24	27.6%
	Outside your county only	34	39.1%
	Both inside and outside your county	26	29.9%
	Don't know/ refused	3	3.4%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

More than two-thirds (69%) of owners of registered PCs only used their PC in one or two counties (Table 27).

Table 27: "In How Many Counties Do You Typically Use Your Pleasure Craft?"[a]

	Counties	Number of cases	Percentage
1st PC	0	2[b]	0.2%
	1	657	58.5%
	2	224	19.9%
	3	129	11.5%
	4	57	5.1%
	5	30	2.7%
	6 to 10	9	0.8%
	11 to 20	2	0.2%
	Don't know county/ refused	13	1.2%
	Total	1,123	100.0%
2nd Pc	1	50	57.5%
	2	14	16.1%
	3	12	13.8%
	4	5	5.7%
	5	2	2.3%
	Don't know county/ refused	4	4.6%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] These two respondents said they only used their craft out of state.

Table 28 illustrates the responses to the top five counties of PC use. Answers were collapsed into one county variable. Los Angeles (10%) and Sacramento (9%) were the most common counties of use given. There were a significant number of respondents that did not know the county of usage (14%) or used their PC out of state (12%).

Table 28: "Please Tell Me in Which County You Use Your Pleasure Craft?"[ab]

County	1st PC		2nd PC	
	N	%	N	%
Alameda	36	3.2%	2	2.3%
Alpine	4	0.4%	--	--
Amador	11	1.0%	--	--
Butte	38	3.4%	3	3.4%
Calaveras	18	1.6%	--	0.4%
Colusa	13	1.2%	1	0.2%
Contra Costa	64	5.7%	11	4.2%
Del Norte	3	0.3%	--	--
El Dorado	26	2.3%	1	1.1%
Fresno	28	2.5%	2	0.7%
Glenn	9	0.8%	--	0.7%
Humboldt	12	1.1%	2	0.7%
Imperial	3	0.3%	1	0.2%
Inyo	11	1.0%	--	0.7%
Kern	38	3.4%	1	1.3%
Kings	6	0.5%	--	--
Lake	38	3.4%	1	0.9%
Lassen	12	1.1%	--	1.3%
Los Angeles	112	10.0%	10	7.5%
Madera	15	1.3%	2	0.9%
Marin	26	2.3%	3	1.3%
Mariposa	8	0.7%	1	0.2%
Mendocino	13	1.2%	--	1.1%
Merced	16	1.4%	--	0.4%
Modoc	3	0.3%	--	--
Mono	7	0.6%	--	0.9%
Monterey	34	3.0%	1	2.9%
Napa	33	2.9%	1	0.9%
Nevada	31	2.8%	2	0.9%
Orange	62	5.5%	4	2.4%
Placer	24	2.1%	4	0.9%
Plumas	18	1.6%	1	1.3%
Riverside	47	4.2%	6	2.2%
Sacramento	104	9.3%	10	4.8%
San Benito	3	0.3%	--	0.2%
San Bernardino	60	5.4%	8	1.1%
San Diego	96	8.6%	7	4.6%
San Francisco	43	3.8%	1	3.1%
San Joaquin	75	6.7%	6	4.2%
San Luis Obispo	47	4.2%	4	2.0%
San Mateo	14	1.3%	--	1.1%
Santa Barbara	18	1.6%	--	0.7%
Santa Clara	17	1.5%	--	1.1%
Santa Cruz	13	1.2%	--	0.7%
Shasta	80	7.1%	9	3.5%
Sierra	2	0.2%	--	0.4%
Siskiyou	13	1.2%	--	1.1%
Solano	30	2.7%	3	2.2%
Sonoma	37	3.3%	1	1.3%
Stanislaus	38	3.4%	1	2.0%
Sutter	13	1.2%	1	0.7%
Tehama	10	0.9%	1	0.7%
Trinity	15	1.3%	--	0.9%
Tulare	11	1.0%	--	0.2%
Tuolumne	21	1.9%	--	1.5%
Ventura	38	3.4%	2	1.8%
Yolo	23	2.1%	--	2.0%
Yuba	12	1.1%	1	0.7%
Don't Know County	159	14.2%	14	11.7%
Out of State	133	11.9%	14	6.6%

[a]
Percentages were figured using the total N size of respondents. (1st PC: N= 1,120 and 2nd PC N=87) Three respondents refused to answer this question.

[b]
Answers were collapsed into one variable for respondents usage in top five counties.

Table 28a: Mean Percent of Time PC Is Used by County

County	1st Pleasure Craft					2nd Pleasure Craft				
	N[a]	Mean	SD	Min	Max	N[a]	Mean	SD	Min	Max
Alameda	33	61.33	31.41	10	100	1	100.00	--	100	100
Alpine	4	36.25	30.38	10	80	--	--	--	--	--
Amador	11	37.55	34.83	5	100	--	--	--	--	--
Butte	38	65.26	37.72	5	100	3	31.67	34.03	5	70
Calaveras	18	52.89	38.27	2	100	2	55.00	7.07	50	60
Colusa	12	45.58	41.61	2	100	--	--	--	--	--
Contra Costa	63	57.59	34.20	1	100	10	64.30	38.72	15	100
Del Norte	3	53.33	45.09	10	100	--	--	--	--	--
El Dorado	26	58.81	33.74	5	100	1	50.00	--	50	50
Fresno	28	78.04	33.64	1	100	2	65.00	49.50	30	100
Glenn	9	45.78	42.08	5	100	--	--	--	--	--
Humboldt	11	80.91	27.09	25	100	1	100.00	--	100	100
Imperial	3	53.33	45.09	10	100	1	100.00	--	100	100
Inyo	11	67.27	34.38	25	100	--	--	--	--	--
Kern	37	63.89	37.29	5	100	1	100.00	--	100	100
Kings	6	59.17	44.99	10	100	--	--	--	--	--
Lake	38	65.84	34.97	2	100	4	50.00	8.17	40	60
Lassen	12	66.75	28.98	25	100	--	--			
Los Angeles	110	61.09	34.81	3	100	10	71.50	32.83	20	100
Madera	14	71.43	34.78	5	100	2	75.00	35.36	50	100
Marin	26	51.46	34.62	10	100	3	64.33	33.71	33	100
Mariposa	8	55.63	29.45	20	100	1	50.00	--	50	50
Mendocino	12	56.00	41.42	2	100	--	--	--	--	--
Merced	16	52.19	36.28	5	100	--	--	--	--	--
Modoc	3	70.00	47.70	15	100	--	--	--	--	--
Mono	7	66.86	36.57	10	100	--	--	--	--	--
Monterey	34	55.97	31.40	5	100	1	85.00	--	85	85
Napa	30	58.77	37.57	10	100	1	100.00	--	100	100
Nevada	31	76.13	30.76	10	100	2	100.00	--	100	100
Orange	59	65.05	37.56	3	100	4	18.75	10.31	5	30
Placer	24	58.67	37.53	10	100	4	44.75	37.73	15	100
Plumas	18	68.50	35.42	5	100	1	100.00	--	100	100
Riverside	47	65.70	37.34	5	100	6	49.17	41.28	10	100
Sacramento	103	62.19	36.13	3	100	9	49.56	40.20	5	100
San Benito	3	40.00	51.96	10	100	--	--	--	--	--
San Bernardino	58	64.10	37.34	1	100	8	70.63	41.10	10	100
San Diego	96	69.09	34.88	1	100	7	57.00	34.25	5	100
San Francisco	41	50.20	34.92	5	100	1	15.00	--	15	15
San Joaquin	73	55.97	35.08	5	100	5	39.80	17.75	25	70
San Luis Obispo	47	74.47	30.72	10	100	4	78.75	42.50	15	100
San Mateo	12	46.50	29.18	10	100	--	--	--	--	--
Santa Barbara	18	41.61	35.20	1	100	--	--	--	--	--
Santa Clara	17	60.76	35.94	5	100	--	--	--	--	--
Santa Cruz	13	57.69	37.51	5	100	--	--	--	--	--
Shasta	79	57.34	37.76	2	100	8	55.63	27.18	20	100
Sierra	2	15.00	7.07	10	20	--	--	--	--	--
Siskiyou	13	57.54	31.33	5	100	--	--	--	--	--
Solano	30	59.03	30.91	10	100	3	69.33	33.86	33	100
Sonoma	35	56.80	35.98	3	100	1	100.00	--	100	100
Stanislaus	37	46.27	35.94	3	100	1	10.00	--	10	10
Sutter	12	47.23	32.84	5	100	1	80.00	--	80	80
Tehama	9	36.11	29.24	5	100	1	20.00	--	20	20
Trinity	15	57.00	38.30	5	100	1	5.00	--	5	5
Tulare	11	59.55	39.65	20	100	--	--	--	--	--
Tuolumne	21	60.14	41.22	5	100	--	--	--	--	--
Ventura	37	57.27	38.23	2	100	2	75.00	35.36	50	100
Yolo	23	36.83	33.02	1	100	--	--	--	--	--
Yuba	12	39.92	37.73	5	100	1	5.00	--	5	5
Don't know county	94	37.17	29.69	1	100	14	67.00	39.44	5	100
Out of State	103	64.01	37.13	1	100	13	74.62	38.70	5	100

a
Caution should be taken in interpreting results due to the small N sizes in each county.

Usage by waterway:

More than one-half (52%) of respondents indicated they only used their PC on one waterway while nearly one-quarter (23%) used their PC on two waterways (Table 29).

Table 29: "On How Many Different Waterways Do You Operate Your Pleasure Craft?"[a]

	Waterways	Number of cases	Percentage
1st PC	1	587	52.3%
	2	256	22.8%
	3	131	11.7%
	4	60	5.3%
	5	25	2.2%
	6 to 10	16	1.4%
	11 to 20	5	0.4%
	21 to 30	1	0.1%
	Don't know/ refused	42	3.7%
	Total	1,123	100.0%
2nd PC	1	45	51.7%
	2	18	20.7%
	3	12	13.8%
	4	4	4.6%
	5	4	4.6%
	6 to 10	--	--
	11 to 20	1	1.1%
	21 to 30	--	--
	Don't know/ refused	3	3.4%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 30 shows the county, city and waterway (when applicable), however one-quarter (25%) of respondents gave an unspecified answer such as the Delta or Pacific Ocean. Common waterway names given were: Sacramento River/Sacramento Delta (11%) and Lake Havasu/Colorado River (10%).

Table 30: "Please List the Waterways Where You Use Your Pleasure Craft"[a][b]

County	Waterway	1st Pleasure Craft		2nd Pleasure Craft	
		N	%	N	%
Alameda	Oakland Estuary/ Alameda Bay/ Del Valle Reservoir	11	1.0%	1	1.2%
Alpine	Blue Lakes / Lake Alpine	9	0.8%	--	--
Amador	Camanche/Silver/Pardee/ Amador/Emerson/ Mokelumne River	25	2.3%	2	2.4%
Butte	Lake Oroville	29	2.7%	2	2.4%
	Feather River	10	0.9%	2	2.4%
	Thermalito Afterbay	3	0.3%	--	--
Calaveras	New Hogan/Spring Valley/ New Melonies Reservoir/ Tulloch	31	2.9%	2	2.4%
Colusa	East Park Reservoir (Ladoga)	2	0.2%	--	--
Contra Costa	General Bay Area*/ San Pablo Bay	9	0.8%	1	1.2%
	Discovery Bay/Specific area of Delta	6	0.6%	1	1.2%
	Maloney Reservior/ San Pablo Reservoir	4	0.4%	--	--
El Dorado	Ice House/ Stumpy Meadows Reservoir/Union Valley/ Loon/ Wright/ Desolation	13	1.2%	1	1.2%
	El Dorado River	2	0.2%	--	--
	Lake Tahoe(also Placer County)	26	2.4%	1	1.2%
Fresno	Lake Edison	3	0.3%	--	--
	Shaver Lake/ Huntington Lake	12	1.1%	1	1.2%
	Millerton Lake	4	0.4%	--	--
	Kings Lake	4	0.4%	--	--
	Pine Flat Lake	12	1.1%	1	1.2%
Glenn	Stony Gorge Reservoir	1	0.1%	--	--
Humboldt	Big Lagoon/ Humboldt Bay	4	0.4%	1	1.2%
	Fresh Water Lagoon	4	0.4%	2	2.4%
Imperial	Colorado River (specific location)	1	0.1%	1	1.2%
Inyo	Lake Sabrina/South Lake	7	0.6%	--	--
	Other, Inyo County	2	0.2%	--	--
Kern	Lake Buena Vista/Webber Lake	9	0.8%	--	--
	Lake Isabella	27	2.5%	1	1.2%
Lake	Clear Lake/ Pillsbury/ Indian Valley Reservoir	50	4.6%	3	3.6%
Lassen	Eagle Lake/ Lassen	13	1.2%	--	--
Los Angeles	Castaic Lake/ Lake Pyramid	31	2.9%	--	--
	Crystal Lake/ Little Rock Dam	2	0.2%	--	--
	Puddingstone Lake	9	0.8%	--	--
	LA Harbor/ Marina Del Rey/ Port of Long Beach/ San Pedro Bay	16	1.5%	2	2.4%
	Catalina Island	10	0.9%	--	--
Madera	Bass Lake	15	1.4%	1	1.2%
	Mammoth Pool Reservoir/Eastman Lake/ Hensley Lake	5	0.5%	--	--
Marin	Tomales Bay/ Ocean (specific location)	2	0.2%	--	--
	San Rafael Canal	1	0.1%	--	--
	Richardson Bay	2	0.2%	1	1.2%
Mariposa	Lake McClure/ Lake McSwain	11	1.0%	--	--
	Yosemite	7	0.6%	--	--
	Merced River	1	0.1%	--	--
Mendocino	Lake Mendocino	8	0.7%	--	--
	Ocean (Specifically Mendocino County)	1	0.1%	--	--
Merced	San Luis Reservoir/ O'Neil Forebay	9	0.8%	--	--
Mono	Walker/June Lake /Grant Lake/ Parker	8	0.7%	--	--
	Twin Lakes /Bridgeport Reservoir/ Topaz Lake	5	0.5%	--	--
	Crowley Lake/ Convict Lake	10	0.9%	--	--
Monterey	Lake San Antonio	25	3.5%	2	2.4%
	Monterey Bay (also Santa Cruz County)	10	0.9%	--	--
Napa	Lake Berryessa/ Lake Hennessey	38	3.5%	2	2.4%
	Napa River	5	0.5%	--	--
	Other, Napa County	1	0.1%	--	--
Nevada	Lake of Pines/Rollings/ Wildwood/ Englebright Lake	20	1.9%	1	1.2%
	Scotts Flat Reservoir/ Donner Lake/ Boca Reservoir	10	0.9%	1	1.2%
	Fordyce/ Lake Spaulding/ Tulare	4	0.4%	--	--
Orange	Irvine	7	0.6%	--	--
	Dana Point Harbor/ Huntington Harbor/ Newport Harbor	15	1.4%	2	2.4%
Placer	Placer	1	0.1%	--	--
	Hellhole	2	0.2%	--	--
	Sugar Pine Reservoir	1	0.1%	--	--
Plumas	Lake Almanor/ Butt Valley Reservoir	17	1.6%	--	--
	Bucks Lake/ Little Grass Valley Reservoir	6	0.6%	1	1.2%

Table 30 continued: "Please List the Waterways Where You Use Your Pleasure Craft"

County	Waterway	1st Pleasure Craft		2nd Pleasure Craft	
		N	%	N	%
Plumas	Antelope Lake /Lake Davis	4	0.4%	--	--
Riverside	Salton Sea	2	0.2%	--	--
	Lake Perris	22	2.0%	1	1.2%
	Lake Elsinore/ Canyon	15	1.4%	2	2.4%
	Riverside/ Veil /Lake Skinner	4	0.4%	1	1.2%
	Diamond Valley Lake/ Lake Hemet	6	0.6%	1	1.2%
Sacramento	Folsom Lake/Natomas/ Nimbus	34	3.1%	5	6.0%
	Sacramento River/ Sacramento Delta	113	10.5%	7	8.3%
	American River	11	1.0%	1	1.2%
	Cosumnes River	1	0.1%	--	--
San Benito	San Justo Reservoir	2	0.2%	--	--
San Bernardino	Big Bear Lake/Silverwood Lake /Lake Arrowhead	21	1.9%	2	2.4%
	Lake Havasu/ Colorado River	105	9.7%	14	16.7%
San Diego	Mission Bay/ San Diego Bay/ Oceanside Harbor	39	3.6%	5	6.0%
	El Capitan Lake/ Lake Cuyamaca	7	0.6%	--	--
	Hodges Reservoir/ San Vicente Reservoir/ Lake Jennings	6	0.6%	--	--
	Murray Reservoir/Lower Otay Lake	1	0.1%	--	--
San Francisco	San Francisco Bay	55	5.1%	3	3.6%
	Ocean (Specific location)	1	0.1%	--	--
San Joaquin	San Joaquin River/ Tinsley Island/ Other	26	2.4%	2	2.4%
San Luis Obispo	Lake Nacimiento	29	2.7%	3	3.6%
	Santa Margarita Lake/ Lopez Lake	25	2.3%	--	--
	Morro Bay	1	0.1%	--	--
	Other, San Luis Obispo County	1	0.1%	--	--
San Mateo	Princeton Harbor/ Port of Redwood City/ Half Moon Bay	3	0.3%	--	--
Santa Barbara	Lake Cachuma/ Ocean (specific location)	7	0.6%	--	--
Santa Clara	Anderson Lake/ Coyote Lake	8	0.7%	--	--
	Milpitas/ Delta Area	2	0.2%	--	--
Santa Cruz	Pinto Lake	1	0.1%	--	--
Shasta	Shasta Lake/ Whiskeytown Lake/ Lake McCloud	80	7.4%	7	8.3%
	Lake Britton/ Other, Shasta County	2	0.2%	--	--
Sierra	Stampede Reservoir/ Jackson Meadows Reservoir/ Gold Lake	6	0.6%	--	--
Siskiyou	Lake Siskiyou/ Tule Lake/Medicine Lake	8	0.7%	--	--
	Klamath River	4	0.4%	--	--
	Iron Gate Reservoir/ Lake Shastina/ Katherine	9	0.8%	2	2.4%
Solano	Mare Island/ Suisun/ Rio Vista Delta	8	0.7%	--	--
	Lake Solano	1	0.1%	--	--
Sonoma	Lake Sonoma	18	1.7%	--	--
	Coast/ Petaluma River/ Other, Sonoma County	5	0.5%	1	1.2%
Stanislaus	Woodward Reservoir/ Turlock Lake/ Modesto Reservoir	7	0.6%	--	--
Tehama	Black Butte Lake	8	0.7%	--	--
Trinity	Trinity Lake/ Ruth Lake	18	1.7%	2	2.4%
Tulare	Success Lake/ Kaweah Reservoir	6	0.6%	--	--
Tuolumne	Don Pedro Lake/ New Spicer Meadows Reservoir	29	2.7%	1	1.2%
Ventura	Channel Islands	4	0.4%	1	1.2%
	Lake Piru	12	1.1%	--	--
Yolo	Beaver Lake	1	0.1%	--	--
Yuba	Yuba River	5	0.5%	1	1.2%
	Bullards Bar Reservoir/ Camp Far West Lake	13	1.2%	--	--
	Collins Lake/ Eastlake	11	1.1.%	1	1.2%
Other	Out of State	87	8.0%	17	20.2%
	Pacific Ocean	119	11.0%	12	14.3%
	Ocean, unspecific	46	4.3%	6	7.1%
Other	River, unspecific	7	0.6%	4	4.8%
	Lake, unspecific	26	2.4%	3	3.6%
	Private body of water	2	0.2%	--	--
	Delta, unspecific	113	10.5%	13	15.5%
	Other, unspecific body of water	13	1.2%	1	1.2%
	Body of water given by respondent was unidentifiable	64	5.9%	2	2.4%
	No Answer/Don't Know/ Refused	77	7.1%	4	4.8%

a Percentage were figured using the total N size of respondents. (1st PC: N= 1,081 and 2nd PC N=84)

b Answers were collapsed into one variable for respondents usage in top five waterways.

Table 30a: Mean Percent of Time PC Is Used by Waterway[a]

County	Waterway	1st Pleasure Craft					2nd Pleasure Craft				
		N	Mean	SD	Min	Max	N	Mean	SD	Min	Max
Alameda	Oakland Estuary/ Alameda Bay/ Del Valle Reservoir	11	57.91	35.04	12	100	1	25.00	--	25	25
Alpine	Blue Lakes / Lake Alpine	9	38.22	28.00	5	100	--	--	--	--	--
Amador	Camanche/Silver/Pardee/ Amador/Emerson/ Mokelumne River	25	33.20	31.32	3	100	2	29.00	5.66	25	33
Butte	Lake Oroville	29	58.10	39.65	1	100	--	--	--	--	--
	Feather River	10	39.50	26.08	10	100	2	70.00	42.43	40	100
	Thermalito Afterbay	3	8.33	2.89	5	10	--	--	--	--	--
Calaveras	New Hogan/Spring Valley/ New Melonies Reservoir/ Tulloch	29	48.28	33.35	10	100	2	56.50	33.23	33	80
Colusa	East Park Reservoir (Ladoga)	2	57.50	60.10	15	100	--	--	--	--	--
Contra Costa	General Bay Area/ San Pablo Bay	9	66.11	38.06	10	100	1	50.00	--	50	50
	Discovery Bay/Specific area of Delta	6	71.67	35.45	10	100	1	100.0	--	100	100
	Maloney Reservior/ San Pablo Reservoir	4	43.75	34.97	10	90	--	--	--	--	--
El Dorado	Ice House/ Stumpy Meadows Reservoir/Union Valley/ Loon/ Wright/ Desolution	12	42.42	30.44	10	100	1	50.00	--	50	50
	El Dorado River	2	62.50	53.03	25	100	--	--	--	--	--
	Lake Tahoe(also Placer County)	26	55.42	38.96	5	100	1	33.00	--	33	33
Fresno	Lake Edison	3	81.67	27.54	50	100	--	--	--	--	--
	Shaver Lake/ Huntington Lake	11	53.64	32.26	20	100	1	50.00	--	50	50
	Millerton Lake	4	45.00	40.42	10	100	--	--	--	--	--
	Kings Lake	4	76.25	47.50	5	100	--	--	--	--	--
	Pine Flat Lake	12	66.67	33.93	10	100	1	100.0	--	100	100
Glenn	Stony Gorge Reservoir	1	40.00	--	40	40	--	--	--	--	--
Humboldt	Big Lagoon/ Humboldt Bay	4	30.50	23.69	2	50	--	--	--	--	--
	Fresh Water Lagoon	4	95.00	10.00	80	100	2	90.00	14.14	80	100
Imperial	Colorado River (specific location)	1	100.0	--	100	100	1	100.0	--	100	100
Inyo	Lake Sabrina/South Lake	4	36.25	43.85	5	100	--	--	--	--	--
	Other, Inyo County	2	55.00	63.64	10	100	--	--	--	--	--
Kern	Lake Buena Vista/Webber Lake	9	30.00	18.88	10	60	--	--	--	--	--
	Lake Isabella	27	57.96	33.49	10	100	1	100.0	--	100	100
Lake	Clear Lake/ Pillsbury/ Indian Valley Reservoir	48	54.33	40.89	2	100	1	100.0	--	100	100
Lassen	Eagle Lake/ Lassen	13	51.00	35.74	10	100	--	--	--	--	--
Los Angeles	Castaic Lake/ Lake Pyramid	26	44.15	30.55	5	100	--	--	--	--	--
	Crystal Lake/ Little Rock Dam	2	60.00	56.57	20	100	--	--	--	--	--
	Puddingstone Lake	9	54.89	33.34	15	100	--	--	--	--	--
	Los Angeles Harbor/ Marina Del Rey/ Port of Long Beach/ San Pedro Bay	16	61.44	36.83	10	100	2	37.50	17.68	25	50
	Catalina Island	10	67.50	22.76	40	100	--	--	--	--	--
Madera	Bass Lake	15	50.33	33.62	10	100	1	100.0	--	100	100
	Mammoth Pool Reservoir/Eastman Lake/ Hensley Lake	4	18.75	6.29	10	25	--	--	--	--	--
Marin	Tomales Bay/ Ocean (specific location)	2	67.50	10.61	60	75	--	--	--	--	--
	San Rafael Canal	1	100.0	--	100	100	--	--	--	--	--
	Richardson Bay	2	65.00	49.50	30	100	1	30.00	--	30	30
Mariposa	Lake McClure/ Lake McSwain	10	50.00	37.89	2	100	--	--	--	--	--

Table 30a continued: Mean Percent of Time PC Is Used by Waterway

County	Waterway	1st Pleasure Craft					2nd Pleasure Craft				
		N	Mean	SD	Min	Max	N	Mean	SD	Min	Max
Mariposa	Yosemite	7	60.00	39.58	10	100	--	--	--	--	--
	Merced River	1	100.0	--	100	100	--	--	--	--	--
Mendocino	Lake Mendocino	8	35.75	32.08	1	100	--	--	--	--	--
	Ocean (Specifically Mendocino County)	1	100.0	--	100	100	--	--	--	--	--
Merced	San Luis Reservoir/ O'Neil Forebay	8	56.88	32.62	5	100	--	--	--	--	--
Mono	Walker/June Lake /Grant Lake/ Parker	8	49.38	42.46	10	100	--	--	--	--	--
	Twin Lakes /Bridgeport Reservoir/ Topaz Lake	4	43.75	36.37	10	80	--	--	--	--	--
	Crowley Lake/ Convict Lake	8	56.88	41.23	10	100	--	--	--	--	--
Monterey	Lake San Antonio	25	39.00	31.26	5	100	1	50.00	--	50	50
	Monterey Bay (also Santa Cruz County)	10	75.20	32.18	25	100	--	--	--	--	--
Napa	Lake Berryessa/ Lake Hennessey	36	52.22	34.83	2	100	2	100.0	--	100	100
	Napa River	5	53.20	32.70	25	100	--	--	--	--	--
	Other, Napa County	1	100.0	--	100	100	--	--	--	--	--
Nevada	Lake of Pines/Rollings/ Wildwood/ Englebright Lake	19	57.16	37.23	10	100	1	100.0	--	100	100
	Scotts Flat Reservoir/ Donner Lake/ Boca Reservoir	10	43.50	33.67	10	100	1	100.0	--	100	100
	Fordyce/ Lake Spaulding/ Tulare	4	21.25	13.15	10	40	--	--	--	--	--
Orange	Irvine	7	57.86	38.93	10	100	--	--	--	--	--
	Dana Point Harbor/ Huntington Harbor/ Newport Harbor	14	59.64	34.56	10	100	1	100.0	--	100	100
Placer	Placer	1	30.00	--	30	30	--	--	--	--	--
	Hellhole	2	17.50	10.61	10	25	--	--	--	--	--
	Sugar Pine Reservoir	1	100.0	--	100	100	--	--	--	--	--
Plumas	Lake Almanor/ Butt Valley Reservoir	16	57.56	37.52	2	100	--	--	--	--	--
	Bucks Lake/ Little Grass Valley Reservoir	6	46.67	41.43	15	100	1	100.0	--	100	100
	Antelope Lake /Lake Davis	4	28.75	14.36	20	50	--	--	--	--	--
Riverside	Salton Sea	2	75.00	35.36	50	100	--	--	--	--	--
	Lake Perris	22	42.09	29.03	5	100	1	10.00	--	10	10
	Lake Elsinore/ Canyon	15	44.67	32.96	7	100	1	15.00	--	15	15
	Riverside/ Veil /Lake Skinner	4	54.50	31.27	33	100	1	20.00	--	20	20
	Diamond Valley Lake/ Lake Hemet	6	51.00	38.40	20	100	1	20.00	--	20	20
Sacramento	Folsom Lake/Natomas/ Nimbus	34	62.24	35.31	5	100	4	67.00	28.04	33	100
	Sacramento River/ Sacramento Delta	110	48.99	33.05	5	100	7	35.00	13.23	20	50
	American River	11	43.45	31.13	5	100	1	33.00	--	33	33
	Cosumnes River	1	50.00	--	50	50	--	--	--	--	--
San Benito	San Justo Reservoir	2	75.00	35.36	50	100	--	--	--	--	--
San Bernardino	Big Bear Lake/Silverwood Lake /Lake Arrowhead	21	56.29	36.08	5	100	1	100.0	--	100	100
	Lake Havasu/ Colorado River	97	65.73	35.54	1	100	12	78.75	30.16	5	100
San Diego	Mission Bay/ San Diego Bay/ Oceanside Harbor	38	65.58	32.17	10	100	2	31.50	2.12	30	33
	El Capitan Lake/ Lake Cuyamaca	5	44.00	33.62	20	100	--	--	--	--	--
	Hodges Reservoir/ San Vicente Reservoir/ Lake Jennings	5	35.00	30.00	5	80	--	--	--	--	--
	Murray Reservoir/Lower Otay Lake	1	20.00	--	20	20	--	--	--	--	--
San Francisco	San Francisco Bay	54	61.46	34.15	10	100	2	75.00	35.36	50	100
	Ocean (Specific location)	1	70.00	--	70	70	--	--	--	--	--
San Joaquin	San Joaquin River/ Tinsley Island/ Other	26	51.54	30.58	9	100	1	50.00	--	50	50

Table 30a continued: Mean Percent of Time PC Is Used by Waterway

County	Waterway	1st Pleasure Craft					2nd Pleasure Craft				
		N	Mean	SD	Min	Max	N	Mean	SD	Min	Max
San Luis Obispo	Lake Nacimiento	29	54.59	35.55	10	100	3	83.33	28.87	50	100
	Santa Margarita Lake/ Lopez Lake	21	38.33	32.84	5	100	--	--	--	--	--
	Morro Bay	1	100.0	--	100	100	--	--	--	--	--
	Other, San Luis Obispo County	1	90.00	--	90	90	--	--	--	--	--
San Mateo	Princeton Harbor/ Port of Redwood City/ Half Moon Bay	3	66.67	49.33	10	100	--	--	--	--	--
Santa Barbara	Lake Cachuma/ Ocean (specific location)	7	43.57	38.81	15	100	--	--	--	--	--
Santa Clara	Anderson Lake/ Coyote Lake	8	28.75	30.68	5	100	--	--	--	--	--
	Milpitas/ Delta Area	2	75.00	35.36	50	100	--	--	--	--	--
Santa Cruz	Pinto Lake	1	20.00	--	20	20	--	--	--	--	--
Shasta	Shasta Lake/ Whiskeytown Lake/ Lake McCloud	72	55.92	36.75	3	100	7	47.57	37.70	13	100
	Lake Britton/ Other, Shasta County	2	65.00	49.50	30	100	--	--	--	--	--
Sierra	Stampede Reservoir/ Jackson Meadows Reservoir/ Gold Lake	6	22.50	4.18	20	30	--	--	--	--	--
Siskiyou	Lake Siskiyou/ Tule Lake/Medicine Lake	7	31.43	14.92	15	50	--	--	--	--	--
	Klamath River	4	53.25	31.55	25	98	--	--	--	--	--
	Iron Gate Reservoir/ Lake Shastina/ Katherine	8	32.88	31.00	1	100	--	--	--	--	--
Solano	Mare Island/ Suisun/ Rio Vista Delta	8	36.63	30.26	10	100	--	--	--	--	--
	Lake Solano	1	10.00	--	10	10	--	--	--	--	--
Sonoma	Lake Sonoma	18	61.11	33.38	10	100	--	--	--	--	--
	Coast/ Petaluma River/ Other, Sonoma County	5	36.00	12.94	25	50	--	--	--	--	--
Stanislaus	Woodward Reservoir/ Turlock Lake/ Modesto Reservoir	6	40.67	28.72	10	89	--	--	--	--	--
Tehama	Black Butte Lake	8	60.00	38.08	5	100	--	--	--	--	--
Trinity	Trinity Lake/ Ruth Lake	17	52.47	39.32	5	100	2	16.00	5.66	12	20
Tulare	Success Lake/ Kaweah Reservoir	6	63.00	42.19	5	100	--	--	--	--	--
Tuolumne	Don Pedro Lake/ New Spicer Meadows Reservoir	29	52.76	36.79	3	100	--	--	--	--	--
Ventura	Channel Islands	4	87.50	25.00	50	100	1	100.0	--	100	100
	Lake Piru	12	46.75	35.08	4	100	--	--	--	--	--
Yolo	Beaver Lake	1	25.00	--	25	25	--	--	--	--	--
Yuba	Yuba River	5	24.60	11.33	5	33	--	--	--	--	--
	Bullards Bar Reservoir/ Camp Far West Lake	13	39.92	24.14	1	90	--	--	--	--	--
	Collins Lake/ Eastlake	11	35.45	35.25	5	100	--	--	--	--	--
Other	Out of State	72	60.22	36.96	2	100	10	67.00	33.35	10	100
	Pacific Ocean	119	76.92	31.70	5	100	11	85.00	30.08	5	100
	Ocean, unspecific	45	67.64	36.04	10	100	4	66.25	39.45	25	100
Other	River, unspecific	7	57.14	19.76	40	100	4	50.00	8.17	40	60
	Private body of water	2	100.00	--	100	100	--	--	--	--	--
	Delta, unspecific	112	65.46	34.12	1	100	10	58.90	35.50	10	100
	Other, unspecific body of water	12	58.75	35.43	10	100	1	25.00	--	25	25
	Body of water given by respondent was unidentifiable	61	53.15	36.10	5	100	2	70.00	42.43	40	100

a
Caution should be taken in interpreting results due to the small N sizes in each waterway.

Storage Information on PC's

Nearly three-quarters (74%) of respondents said their PC was stored with fuel in the tank (Table 31).

Table 31: "Is Your Pleasure Craft Stored With Fuel In It?"[a]

		Number of cases	Percentage
1st PC	Yes	832	74.1%
	No	275	24.5%
	Don't know/ refused	16	1.4%
	Total	1,123	100.0%
2nd PC	Yes	65	74.7%
	No	21	24.1%
	Don't know/refused	1	1.1%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

The majority (98%) of registered PC owners stored their PC in the same county throughout the year (Table 32).

Table 32: "Do You Store Your Pleasure Craft in the Same Location Throughout the Year?"[a]

		Number of cases	Percentage
1st PC	Yes	1,101	98.0%
	No	18	1.6%
	Don't know/refused	4	0.4%
	Total	1,123	100.0%
2nd PC	Yes	81	93.1%
	No	6	6.9%
	Total	87	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 33 shows the counties where the PC is stored throughout the year. San Diego and Los Angeles counties had the highest percentage of PCs stored throughout the year.

Table 33: "In What County Do You Store Your Pleasure Craft?"[a]

County	1st Pleasure Craft		2nd Pleasure Craft	
	Number of cases	Percentage	Number of cases	Percentage
Alameda	35	3.2%	2	2.5%
Alpine	1	0.1%	--	--
Amador	2	0.2%	--	--
Butte	25	2.3%	--	--
Calaveras	7	0.6%	--	--
Colusa	3	0.3%	--	--
Contra Costa	54	4.9%	7	8.6%
Del Norte	1	0.1%	--	--
El Dorado	10	0.9%	1	1.2%
Fresno	17	1.5%	1	1.2%
Glenn	3	0.3%	--	--
Humboldt	11	1.0%	--	--
Imperial	4	0.4%	1	1.2%
Inyo	3	0.3%	--	--
Kern	26	2.4%	2	2.5%
Kings	6	0.5%	--	--
Lake	18	1.6%	1	1.2%
Lassen	2	0.2%	--	--
Los Angeles	91	8.2%	11	13.6%
Madera	10	0.9%	1	1.2%
Marin	13	1.2%	1	1.2%
Mariposa	2	0.2%	--	--
Mendocino	5	0.5%	--	--
Merced	7	0.6%	--	--
Modoc	1	0.1%	--	--
Mono	1	0.1%	--	--
Monterey	9	0.8%	--	--
Napa	14	1.3%	--	--
Nevada	22	2.0%	1	1.2%
Orange	66	6.0%	2	2.5%
Placer	21	1.9%	3	3.7%
Plumas	6	0.5%	--	--
Riverside	44	4.0%	5	6.2%
Sacramento	62	5.6%	6	7.4%
San Benito	2	0.2%	--	--
San Bernardino	38	3.4%	2	2.5%
San Diego	75	6.8%	6	7.4%
San Francisco	7	0.6%	--	--
San Joaquin	37	3.3%	2	2.5%
San Luis Obispo	31	2.8%	4	4.9%
San Mateo	12	1.1%	--	--
Santa Barbara	11	1.0%	--	--
Santa Clara	31	2.8%	1	1.2%
Santa Cruz	8	0.7%	--	--
Shasta	30	2.7%	3	3.7%
Siskiyou	11	1.0%	1	1.2%
Solano	31	2.8%	2	2.5%
Sonoma	30	2.7%	1	1.2%
Stanislaus	23	2.1%	2	2.5%
Sutter	7	0.6%	1	1.2%
Tehama	7	0.6%	1	1.2%
Trinity	2	0.2%	--	--
Tulare	6	0.5%	--	--
Tuolumne	11	1.0%	--	--
Ventura	38	3.4%	3	3.7%
Yolo	9	0.8%	--	--
Yuba	7	0.6%	--	--
Don't Know County	12	1.1%	1	1.2%
Out of State	27	2.4%	6	7.4%
Total	1,105[b]	100.0%	81[b]	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Missing cases due to the respondents who did not store their PC in the same location throughout the year.

Seven-out-of-ten (71%) respondents stored their PC at their place of residence while only 16 percent stored their PC at a marina and ten percent in a storage facility (Table 34).

Table 34: "Where Is Your Pleasure Craft Stored?"[a]

	1st PC		2nd PC	
	Number of cases	Percentage	Number of cases	Percentage
Home	782	70.8%	57	70.4%
Storage facility	105	9.5%	9	11.1%
Marina	176	15.9%	12	14.8%
Another residence	22	2.0%	3	3.7%
Other	6	0.5%	--	--
Don't know/ refused	8	1.3%	--	--
Total	1,105[b]	100.0%	81[b]	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

[b] Missing cases due to the respondents who did not store their PC in the same location throughout the year.

Table 35 illustrates the county and location within the county where the PC is stored. The majority of people stored their PC at their residence regardless of the county of storage.

Table 35: Location of 1st Pleasure Craft by County of Storage[ab]

County	At Home		Storage Facility		Marina		Other Private Property		Other		Don't know/refused		Total
	N	%	N	%	N	%	N	%	N	%	N	%	
Alameda	19	2.4%	4	3.8%	11	6.3%	1	4.5%	--	--	--	--	35
Alpine	1	0.1%	--	--	--	--	--	--	--	--	--	--	1
Amador	2	0.3%	--	--	--	--	--	--	--	--	--	--	2
Butte	22	2.8%	--	--	1	0.6%	--	--	2	28.6%	--	--	25
Calaveras	6	0.8%	1	1.0%	--	--	--	--	--	--	--	--	7
Colusa	1	0.1%	2	1.9%	--	--	--	--	--	--	--	--	3
Contra Costa	34	4.3%	7	6.7%	13	7.4%	--	--	--	--	--	--	54
Del Norte	1	0.1%	--	--	--	--	--	--	--	--	--	--	1
El Dorado	8	1.0%	2	1.9%	--	--	--	--	--	--	--	--	10
Fresno	14	1.8%	1	1.0%	1	0.6%	1	4.5%	--	--	--	--	17
Glenn	2	0.3%	1	1.0%	--	--	--	--	--	--	--	--	3
Humboldt	10	1.3%	1	1.0%	--	--	--	--	--	--	--	--	11
Imperial	4	0.5%	--	--	--	--	--	--	--	--	--	--	4
Inyo	3	0.4%	--	--	--	--	--	--	--	--	--	--	3
Kern	20	2.6%	3	2.9%	1	0.6%	1	4.5%	1	14.3%	--	--	26
Kings	5	0.6%	1	1.0%	--	--	--	--	--	--	--	--	6
Lake	11	1.4%	2	1.9%	3	1.7%	2	9.1%	--	--	--	--	18
Lassen	2	0.3%	--	--	--	--	--	--	--	--	--	--	2
Los Angeles	64	8.2%	7	6.7%	19	10.8%	--	--	--	--	1	7.7%	91
Madera	8	1.0%	2	1.9%	--	--	--	--	--	--	--	--	10
Marin	3	0.4%	1	1.0%	8	4.5%	1	4.5%	--	--	--	--	13
Mariposa	2	0.3%	--	--	--	--	--	--	--	--	--	--	2
Mendocino	4	0.5%	1	1.0%	--	--	--	--	--	--	--	--	5
Merced	6	0.8%	--	--	1	0.6%	--	--	--	--	--	--	7
Modoc	1	0.1%	--	--	--	--	--	--	--	--	--	--	1
Mono	1	0.1%	--	--	--	--	--	--	--	--	--	--	1
Monterey	5	0.6%	1	1.0%	3	1.7%	--	--	--	--	--	--	9
Napa	9	1.2%	1	1.0%	3	1.7%	--	--	--	--	1	7.7%	14
Nevada	16	2.0%	3	2.9%	1	0.6%	2	9.1%	--	--	--	--	22
Orange	37	4.7%	5	4.8%	22	12.5%	1	4.5%	--	--	1	7.7%	66
Placer	18	2.3%	3	2.9%	--	--	--	--	--	--	--	--	21
Plumas	5	0.6%	--	--	1	0.6%	--	--	--	--	--	--	6
Riverside	38	4.9%	4	3.8%	1	0.6%	--	--	--	--	1	7.7%	44
Sacramento	46	5.9%	5	4.8%	8	4.5%	1	4.5%	--	--	2	15.4%	62
San Benito	2	0.3%	--	--	--	--	--	--	--	--	--	--	2
San Bernardino	32	4.1%	4	3.8%	1	0.6%	1	4.5%	--	--	--	--	38
San Diego	39	5.0%	3	2.9%	29	16.5%	2	9.1%	--	--	2	15.4%	75
San Francisco	--	--	--	--	7	4.0%	--	--	--	--	--	--	7
San Joaquin	28	3.6%	2	1.9%	6	3.4%	--	--	--	--	1	7.7%	37
San Luis Obispo	22	2.8%	4	3.8%	3	1.7%	2	9.1%	--	--	--	--	31
San Mateo	6	0.8%	3	2.9%	2	1.1%	--	--	1	14.3%	--	--	12
Santa Barbara	7	0.9%	1	1.0%	3	1.7%	--	--	--	--	--	--	11
Santa Clara	24	3.1%	4	3.8%	2	1.1%	1	4.5%	--	--	--	--	31
Santa Cruz	3	0.4%	--	--	4	2.3%	1	4.5%	--	--	--	--	8
Shasta	25	3.2%	2	1.9%	3	1.7%	--	--	--	--	--	--	30
Siskiyou	11	1.4%	--	--	--	--	--	--	--	--	--	--	11
Solano	25	3.2%	3	2.9%	3	1.7%	--	--	--	--	--	--	31
Sonoma	25	3.2%	1	1.0%	1	0.6%	3	13.6%	--	--	--	--	30
Stanislaus	22	2.8%	1	1.0%	--	--	--	--	--	--	--	--	23
Sutter	6	0.8%	1	1.0%	--	--	--	--	--	--	--	--	7
Tehama	7	0.9%	--	--	--	--	--	--	--	--	--	--	7
Trinity	2	0.3%	--	--	--	--	--	--	--	--	--	--	2
Tulare	5	0.6%	--	--	1	0.6%	--	--	--	--	--	--	6
Tuolumne	9	1.2%	1	1.0%	--	--	--	--	1	14.3%	--	--	11
Ventura	27	3.5%	3	2.9%	7	4.0%	1	4.5%	--	--	--	--	38
Yolo	7	0.9%	1	1.0%	1	0.6%	--	--	--	--	--	--	9
Yuba	7	0.9%	--	--	--	--	--	--	--	--	--	--	7
Don't Know County	2	0.3%	4	3.8%	1	0.6%	1	4.5%	--	--	4	30.8%	12
Out of State	11	1.4%	9	8.6%	5	2.8%	--	--	2	28.6%	--	--	27
Total	782	100.0%	105	100.0%	176	100.0%	22	100.0%	7	100.0%	13	100.0%	1,105

[a] Percentages may not sum to 100 percent due to rounding.

[b] Missing cases due to the respondents who did not store their PC in the same locations throughout the year. (N=18)

Table 35: Pleasure Craft Storage by Season and County[ab]

County	Season	Home		Storage Facility		Marina	
		N	%	N	%	N	%
Alameda	Winter	1	5.6%	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	2	11.1%	--	--	--	--
Butte	Winter	--	--	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	1	5.6%	--	--	--	--
Calaveras	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Contra Costa	Winter	1	5.6%	--	--	--	--
	Spring	2	11.1%	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	1	5.6%	--	--	--	--
El Dorado	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	1	5.6%	--	--	--	--
Humboldt	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	1	5.6%	--	--	--	--
Inyo	Winter	2	11.1%	--	--	--	--
	Spring	1	5.6%	--	--	1	5.6%
	Summer	--	--	--	--	1	5.6%
	Fall	1	5.6%	--	--	1	5.6%
Los Angeles	Winter	--	--	1	5.6%	--	--
	Spring	--	--	1	5.6%	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	1	5.6%	--	--
Mariposa	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	1	5.6%	--	--
	Fall	--	--	--	--	--	--
Mono	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Napa	Winter	--	--	--	--	1	5.6%
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	--	--	--	--
Nevada	Winter	--	--	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Orange	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	1	5.6%	--	--	--	--
Plumas	Winter	1	5.6%	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Riverside	Winter	--	--	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	--	--	--	--
Sacramento	Winter	--	--	1	5.6%	--	--
	Spring	--	--	1	5.6%	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	--	--	--	--

Table 35 continued: Pleasure Craft Storage by Season and County[ab]

County	Season	Home N	Home %	Storage Facility N	Storage Facility %	Marina N	Marina %
San Bernardino	Winter	2	11.1%	1	5.6%	--	--
	Spring	1	5.6%	--	--	1	5.6%
	Summer	--	--	--	--	1	5.6%
	Fall	2	11.1%	--	--	1	5.6%
San Diego	Winter	--	--	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	1	5.6%	--	--	--	--
San Francisco	Winter	--	--	--	--	1	5.6%
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	--	--	--	--
San Joaquin	Winter	1	5.6%	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	1	5.6%	--	--	--	--
Santa Clara	Winter	--	--	1	5.6%	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	--	--	--	--
Shasta	Winter	1	5.6%	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Sierra	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	1	5.6%	--	--
	Fall	--	--	--	--	--	--
Solano	Winter	--	--	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	1	5.6%	--	--	--	--
Tuolumne	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	1	5.6%	--	--
	Fall	--	--	--	--	--	--
Ventura	Winter	--	--	--	--	1	5.6%
	Spring	--	--	--	--	1	5.6%
	Summer	--	--	--	--	1	5.6%
	Fall	1	5.6%	--	--	--	--
Out of State	Winter	2	11.1%	--	--	--	--
	Spring	1	5.6%	--	--	--	--
	Summer	1	5.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Total		--	--	--	--	--	--

[a] Percentage was figured using the total number of respondents (N=18).

[b] Percentages equal more than 100 percent.

Table 36: 2nd Pleasure Craft Storage by Season and County[ab]

County	Season	Home N	Home %	Marina N	Marina %	Don't Know N	Don't Know %
Alameda	Winter	1	16.6%	--	--	--	--
	Spring	1	16.6%	--	--	--	--
	Summer	1	16.6%	--	--	--	--
	Fall	2	33.3%	--	--	--	--
Contra Costa	Winter	--	--	--	--	--	--
	Spring	1	16.6%	--	--	--	--
	Summer	1	16.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Humboldt	Winter	--	--	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	1	16.6%	--	--	--	--
Napa	Winter	--	--	1	16.6%	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	--	--	--	--
San Bernardino	Winter	1	16.6%	--	--	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	1	16.6%	--	--	--	--
San Francisco	Winter	--	--	1	16.6%	--	--
	Spring	--	--	--	--	--	--
	Summer	--	--	--	--	--	--
	Fall	--	--	--	--	--	--
Shasta	Winter	1	16.6%	--	--	--	--
	Spring	1	16.6%	--	--	--	--
	Summer	1	16.6%	--	--	--	--
	Fall	--	--	--	--	--	--
Solano	Winter	--	--	--	--	--	--
	Spring	1	16.6%	--	--	--	--
	Summer	1	16.6%	--	--	--	--
	Fall	1	16.6%	--	--	--	--
Out of State	Winter	--	--	--	--	1	16.6%
	Spring	1	16.6%	--	--	--	--
	Summer	1	16.6%	--	--	--	--
	Fall	--	--	--	--	1	16.6%
Total		--	--	--	--	--	--

a Percentage was figured using the total number of respondents (N=6).

b Percentages equal more than 100 percent.

Demographics

Table 37: "Which of the Following Age Groups Includes You?"[a]

	Number of Cases	Percentage
Under 18	2	0.2%
18-24	17	1.5%
25-44	198	17.6%
45-64	598	53.3%
65 and over	303	27.0%
Refused	5	0.4%
Total	1,123	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Table 38: "What Is Your Gender?"[a]

	Number of Cases	Percentage
Male	934	83.2%
Female	189	16.8%
Total	1,123	100.0%

[a] Percentages may not sum to 100 percent due to rounding.

Appendix

Pleasure Craft Survey
Created by: The Institute for Social Research at California State University, Sacramento

Introduction:
Hello my name is _____ and I am a student calling from California State University, Sacramento on behalf of the California Air Resources Board. We are collecting information on boats and personal water crafts in the state of California. The questions are easy to answer and should only take about 5-10 minutes depending on your responses.

I am calling about a <year> <make> <model> registered to <owner>.

Q: Screen1
Do you or someone in your household use this <craft>? (KEY)
      1. Yes
      2. No, don't have <craft> anymore (sold, gave away etc.)
      3. No, owner has moved
      4. No, wrong number, don't know anything about <craft>
      5. No, boat owner is deceased
      6. DON'T KNOW
      7. REFUSED
 If (QScreen1 >1) skip to not qualified

Q: Screen2
May I speak with the registered owner or a person that is familiar with or most often uses the <craft>? (KEY)
      1. Owner agrees to be interviewed
      2. Another person agrees to be interviewed
      3. Appropriate person is not available (schedule callback)

GENERAL INFO
Q1. How many engines does your<craft> use for propulsion? (KEY)
      1. 1 engine
      2. 2 engines
      3. 3 or more engines
      4. DON'T KNOW
      5. REFUSED

Q2. What is the horse power of your engine? (SELECT)
1. 0-2 horsepower
2. 3-15 horsepower
3. 16-25 horsepower
4. 26-50 horsepower
5. 51-120 horsepower
6. 121-175 horsepower
7. 176-250 horsepower
8. 251-500 horsepower
9. 500+ horsepower
10. DON'T KNOW
11. REFUSED

If (Q1=1) skip to Q3

Q2eng2. What is the horse power of your 2nd engine? (SELECT)
1. 0-2 horsepower
2. 3-15 horsepower
3. 16-25 horsepower
4. 26-50 horsepower
5. 51-120 horsepower
6. 121-175 horsepower
7. 176-250 horsepower
8. 251-500 horsepower
9. 500+ horsepower
10. DON'T KNOW
11. REFUSED

If (Q1=2) skip to Q3

Q2eng3. What is the horse power of your 3rd engine? (SELECT)
1. 0-2 horsepower
2. 3-15 horsepower
3. 16-25 horsepower
4. 26-50 horsepower
5. 51-120 horsepower
6. 121-175 horsepower
7. 176-250 horsepower
8. 251-500 horsepower
9. 500+ horsepower
10. DON'T KNOW
11. REFUSED

Q3. Does/do the engine(s) use a carburetor or fuel injection? (KEY)
1. CARBURETOR
2. FUEL INJECTION
3. DON'T KNOW
4. REFUSED

Q4. Has/have the engine(s) in your <craft> ever been replaced?
1. Yes
2. No
3. DON'T KNOW
4. REFUSED
If (Q4 >1) skip to Q5

Q4a. Was the engine(s) a new or a rebuilt engine?
1. NEW ENGINE
2. REBUILT ENGINE
3. DON'T KNOW
4. REFUSED

Q4b. What is the model year of the engine(s)? (NUM) _YYYY__

Q5. What type of fuel do you use in your <craft>? (KEY)
1. Gasoline
2. Diesel
3. DON'T KNOW
4. REFUSED
If (ans <> 1) skip to Q6

Q5a. Is it a 2 stroke or 4 stroke? (KEY)
1. 2 STROKE
2. 4 STROKE
3. DON'T KNOW
4. REFUSED

Q6. How many fuel tanks does your <craft> have? (KEY w OTH)
1. 1 tank
2. 2 tanks
3. OTHER _____
4. DON'T KNOW
5. REFUSED

Q6a. What size is your fuel tank? _____ Gallons (NUM)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.
If (Q6=1) skip to Q7

Q6a2nd. What size is your 2nd fuel tank? _____ Gallons (NUM)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

Q7. What material is the fuel tank made of? (KEY)
      1. Metal
      2. Plastic
      3. Fiberglass
      4. Other_____
      5. DON'T KNOW
      6. REFUSED
  If (Q6=1) skip to Q8

Q72nd. What material is the 2ND fuel tank made of? (KEY)
      1. Metal
      2. Plastic
      3. Fiberglass
      4. Other_____
      5. DON'T KNOW
      6. REFUSED

Q8. We have the overall length of your vessel as <DMV record for Length>.
      Is this correct? (KEY)
      1. Yes
      2. No
      3. DON'T KNOW
      4. REFUSED
If (ans =1, 3, or 4) skip to Q9

Q8a. What is the correct length of your vessel? (NUM) _____FEET
_____INCHES
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

USAGE

Q9. On average, how many days did you operate your <craft> in the last 12 months? (NUM)

_____ Days

INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR REFUSED ENTER 99.

Q10. On a typical day of use, approximately how many hours do you operate (with the engine on) your <craft>? (NUM) _____ Hours

INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR REFUSED ENTER 99.

Q11. How many times do you usually start the engine successfully on a typical day of use? (NUM) _____ Times

INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR REFUSED ENTER 99.

Q12. When do you use your <craft>? (KEY)

1. Weekends only (Sat-Sun)
2. Weekdays only (Mon-Fri)
3. Both weekends and weekdays (Mon-Sun)
4. DON'T KNOW
5. REFUSED

If (ans < 3) skip to Q13

Q12a. Could you please estimate the percent of time you use the <craft> on the weekends compared to the weekdays? (Select w/Other)

1. Weekends _____
2. Weekdays _____
3. Total_____
4. DON'T KNOW
5. REFUSED

INTERVIEWER NOTE: THE TOTAL SHOULD EQUAL 100 PERCENT. PLEASE VERIFY AND ENSURE THE TOTAL IS 100 PERCENT.

Q13. In which seasons do you use your <craft>?

1. Winter (Dec- Jan-Feb)
2. Spring (Mar- Apr-May)
3. Summer (June-July-Aug)
4. Fall (Sep-Oct-Nov)
5. DON'T KNOW
6. REFUSED

Q13a. Could you please estimate the percentage you use your <craft> in each of the following seasons? (Select w/Other)
1. Winter _____
2. Spring _____
3. Summer _____
4. Fall _____
5. Total _____
6. DON'T KNOW
7. REFUSED
INTERVIEWER NOTE: THE TOTAL SHOULD EQUAL 100 PERCENT. PLEASE VERIFY AND ENSURE THE TOTAL IS 100 PERCENT.

Q13b. Was the use of your <pleasure craft> in 2007 more than, less than, or the same as 2008?
1. MORE THAN
2. LESS THAN
3. SAME
4. DON'T KNOW
5. REFUSED
If (ans =2) skip to Q13d, If (ans >2) skip to Q14

Q13c. Please estimate how many more days you used your <Pleasure craft> in 2007 compared to 2008? (NUM)
_____ more days in 2007 than 2008.

Q13d. Please estimate how many more days you used your <Pleasure craft> in 2008 compared to 2007? (NUM)
_____ more days in 2008 than 2007.

Q14. Our records indicate your <craft> is registered in <DMV record of county>.
Is that correct? (KEY)
1. Yes
2. No
3. DON'T KNOW
4. REFUSED
If (ans =1) skip to Q14b

Q14a. In Which county is your <craft> registered ? (SELECT ONLY ONE)

1. Alameda	21. Marin	41. San Mateo
2. Alpine	22. Mariposa	42. Santa Barbara
3. Amador	23. Mendocino	43. Santa Clara
4. Butte	24. Merced	44. Santa Cruz
5. Calaveras	25. Modoc	45. Shasta
6. Colusa	26. Mono	46. Sierra
7. Contra Costa	27. Monterey	47. Siskiyou
8. Del Norte	28. Napa	48. Solano
9. El Dorado	29. Nevada	49. Sonoma
10. Fresno	30. Orange	50. Stanislaus
11. Glenn	31. Placer	51. Sutter
12. Humboldt	32. Plumas	52. Tehama
13. Imperial	33. Riverside	53. Trinity
14. Inyo	34. Sacramento	54. Tulare
15. Kern	35. San Benito	55. Tuolumne
16. Kings	36. San Bernardino	56. Ventura
17. Lake	37. San Diego	57. Yolo
18. Lassen	38. San Francisco	58. Yuba
19. Los Angeles	39. San Joaquin	59. Don't Know County
20. Madera	40. San Luis Obispo	60. Out of State

Q14b. Do you **only** use your <craft> in that county? (KEY)
1. Yes
2. No
3. DON'T KNOW
4. REFUSED

If (ans =1) skip to Q17

Q15. Where do you typically operate your < craft>? (KEY)
1. Outside your county
2. Both inside and outside your county
3. Unsure of county where it is used if
4. DON'T KNOW
5. REFUSED

If (ans =3) skip to Q17

Q15a. In how many counties do you use the <craft>? (NUM) _____
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

T16. The next few questions will pertain to the top 5 counties in which you use the
<craft> most often.
INTERVIEWER NOTE: WE ARE INTERESTED IN THE COUNTIES WHERE THEY
USE THE PLEASURE CRAFT THE MOST OFTEN (UP TO 5 COUNTIES)

Q16. Please tell me in which counties you use your <craft>? (SELECT 5 THAT APPLY)

1. Alameda	21. Marin	41. San Mateo
2. Alpine	22. Mariposa	42. Santa Barbara
3. Amador	23. Mendocino	43. Santa Clara
4. Butte	24. Merced	44. Santa Cruz
5. Calaveras	25. Modoc	45. Shasta
6. Colusa	26. Mono	46. Sierra
7. Contra Costa	27. Monterey	47. Siskiyou
8. Del Norte	28. Napa	48. Solano
9. El Dorado	29. Nevada	49. Sonoma
10. Fresno	30. Orange	50. Stanislaus
11. Glenn	31. Placer	51. Sutter
12. Humboldt	32. Plumas	52. Tehama
13. Imperial	33. Riverside	53. Trinity
14. Inyo	34. Sacramento	54. Tulare
15. Kern	35. San Benito	55. Tuolumne
16. Kings	36. San Bernardino	56. Ventura
17. Lake	37. San Diego	57. Yolo
18. Lassen	38. San Francisco	58. Yuba
19. Los Angeles	39. San Joaquin	59. Don't Know County
20. Madera	40. San Luis Obispo	60. Out of State

Q16a. Could you please estimate the percentage of time you use the < craft> in each county? (SEL & OTH)
SHOW County 1_____
SHOW County 2_____
SHOW County 3_____
SHOW County 4_____
SHOW County 5_____
INTERVIEWER NOTE: IF THEY SAY DON'T KNOW ENTER 98 INTO COUNTY ONE. IF THEY SAY REFUSED PLEASE ENTER 99 INTO COUNTY ONE. PLEASE ENSURE THE TOTAL IS EQUAL TO 100 PERCENT. IF IT DOES NOT = 100 THAN VERFIY EVERY ANSWER.

Q17. Please list the water ways on which you use your < craft>? (SEL & OTH)
1_____
2_____
3_____
4_____
5_____

INTERVIEWER NOTE: IF THEY SAY DON'T KNOW ENTER 98 INTO ONE. IF THEY SAY REFUSED PLEASE ENTER 99 INTO ONE.

Q17a. Could you please estimate the percentage of time the <craft> is operated on each waterway? (NUM)
SHOW answer 1_____
SHOW answer 2_____
SHOW answer 3_____
SHOW answer 4_____
SHOW answer 5_____
INTERVIEWER NOTE: IF THEY SAY DON'T KNOW ENTER 98 INTO ANSWER ONE. IF THEY SAY REFUSED PLEASE ENTER 99 INTO ANSWER ONE. PLEASE VERFIY AND ENSURE THE TOTAL IS 100 PERCENT.

STORAGE
Q18. Is your <craft> stored with fuel in the tank? (KEY)
1. Yes
2. No
3. DON'T KNOW
4. REFUSED

Q19. Do you store your <craft> in the same location throughout the year? (KEY)
1. Yes
2. No
3. DON'T KNOW
4. REFUSED
If (ans >1) skip to T20

Q19a. In which county do you store your <craft>? _____(Open ended)

INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR REFUSED ENTER 99.

Q19b. Where is your <craft> stored? (KEY)
1. At home
2. At a storage facility
3. At a marina
4. Other _____
5. DON'T KNOW
6. REFUSED
Skip to Q21

T20. The next series of questions pertains to where your pleasure craft is stored during each of the following seasons. (KEY)
INTERVIEWER NOTE: ENTER 1 TO CONTINUE

Q20acoun. In which county do you store your <craft> in the winter (Dec-Jan-Feb)?
_____ (Open ended)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

Q20a. Where is your <craft> stored during the winter (Dec-Jan-Feb)? (KEY)
1. At home
2. At a storage facility
3. At a marina
4. Other _____
5. DON'T KNOW
6. REFUSED

Q20bcoun. In which county do you store your <craft> in the spring (Mar-Apr-May)?
_____ (Open ended)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

Q20b. Where is your <craft> stored during the spring (Mar-Apr-May)? (KEY)
1. At home
2. At a storage facility
3. At a marina
4. Other _____
5. DON'T KNOW
6. REFUSED

Q20ccoun. In which county do you store your <craft> in the summer (June-July-Aug)?
_____ (Open ended)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

Q20c. Where is your <craft> stored during the summer (June-July-Aug)? (KEY)
1. At home
2. At a storage facility
3. At a marina
4. Other _____
5. DON'T KNOW
6. REFUSED

Q20dcoun. In which county do you store your <craft> in the fall (Sep-Oct-
Nov)?_____ (Open ended)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

Q20d. Where is your <craft> stored during the fall (Sep-Oct-Nov)? (KEY)
  1. At home
  2. At a storage facility
  3. At a marina
  4. Other _____
  5. DON'T KNOW
  6. REFUSED

OTHER PLEASURE CRAFTS
Q21. Do you own any other boats or personal water crafts? (KEY)
  1. Yes
  2. No
  3. DON'T KNOW
  4. REFUSED
If (ans>1) skip to QAGE

Q22. I would like to ask you about this other <craft>, this should only take a few more minutes now that you are familiar with the questions. Would that be okay? (KEY)
  1. Yes
  2. No
  3. DON'T KNOW
  4. REFUSED
If (ans>1) skip to QAGE

Q22a. Please provide the model year of that craft?(NUM) __YYYY__

Q22b. the make? _____ (Openended)

Q22c. the model? _____ (Openended)

Q22d. Pleasure craft type?_____(Openended)

Q232nd. How many engines does this craft use for propulsion? (KEY)
  1. 1 engine
  2. 2 engines
  3. 3 or more engines
  4. DON'T KNOW
  5. REFUSED

Q232nd. What is the horse power of the engine? (SELECT)
1. 0-2 horsepower
2. 3-15 horsepower
3. 16-25 horsepower
4. 26-50 horsepower
5. 51-120 horsepower
6. 121-175 horsepower
7. 176-250 horsepower
8. 251-500 horsepower
9. 500+ horsepower
10. DON'T KNOW
11. REFUSED

INTERVIEWER NOTE: IF THEY SAID MORE THAN ONE ENGINE IN THE PREVIOUS QUESTION PLEASE SAY 1ST ENGINE.
If (Q232nd=1) skip to Q24

Q23eng2. What is the horse power of your 2nd engine? (SELECT)
1. 0-2 horsepower
2. 3-15 horsepower
3. 16-25 horsepower
4. 26-50 horsepower
5. 51-120 horsepower
6. 121-175 horsepower
7. 176-250 horsepower
8. 251-500 horsepower
9. 500+ horsepower
10. DON'T KNOW
11. REFUSED
If (Q232nd =2) skip to Q24

Q23eng3. What is the horse power of your 3rd engine? (SELECT)
1. 0-2 horsepower
2. 3-15 horsepower
3. 16-25 horsepower
4. 26-50 horsepower
5. 51-120 horsepower
6. 121-175 horsepower
7. 176-250 horsepower
8. 251-500 horsepower
9. 500+ horsepower
10. DON'T KNOW

11. REFUSED

Q24. Does/do the engine(s) use a carburetor or fuel injection? (KEY)
    1. CARBURETOR
    2. FUEL INJECTION
    3. DON'T KNOW
    4. REFUSED

Q25. Has/have the engine(s) in your <craft> ever been replaced?
    1. Yes
    2. No
    3. DON'T KNOW
    4. REFUSED
If (q25>1) skip to Q26

Q25a. Was the engine(s) a new or a rebuilt engine?
    1. NEW ENGINE
    2. REBUILT ENGINE
    3. DON'T KNOW
    4. REFUSED

Q26. What is the model year of the engine(s)? (NUM) _YYYY__

Q27. What type of fuel do you use in your <craft>? (KEY)
    1. Gasoline
    2. Diesel
    3. DON'T KNOW
    4. REFUSED
If (ans <> 1) skip to Q28

Q26a. Is it a 2 stroke or 4 stroke? (KEY)
    1. 2 STROKE
    2. 4 STROKE
    3. DON'T KNOW
    4. REFUSED

Q28. How many fuel tanks does your <craft> have? (KEY w OTH)
    1. 1 tank
    2. 2 tanks
    3. OTHER _____
    4. DON'T KNOW
    5. REFUSED

Q28a. What size is your fuel tank? _____ Gallons (NUM)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.
If (Q6=1) skip to Q29

Q28a2nd. What size is your 2nd fuel tank? _____ Gallons (NUM)
INTERVIEWER NOTE: IF RESPONDENT SAYS DON'T KNOW ENTER 98 AND FOR
REFUSED ENTER 99.

Q29. What material is the fuel tank made of? (KEY)
    1. Metal
    2. Plastic
    3. Fiberglass
    4. Other_____
    5. DON'T KNOW
    6. REFUSED
If (Q6=1) skip to Q28

Q292nd. What material is the 2ND fuel tank made of? (KEY)
    1. Metal
    2. Plastic
    3. Fiberglass
    4. Other_____
    5. DON'T KNOW
    6. REFUSED

Q30. Is any of the usage or storage information for this craft different than the
information already collected?
    1. Yes
    2. No
    3. DON'T KNOW
    4. REFUSED
If (Q28=1) skip to Q9, If (Q28=3) skip to Q9 (repeat 2nd PC)

QAGE.
Which of the following age groups includes you? (KEY)
    1. Under 18
    2. 18-24
    3. 25-44
    4. 45-64
    5. 65+
    6. DON'T KNOW
    7. REFUSED

QGEND. What is your gender? (KEY)
  1. Male
  2. Female
  3. DON'T KNOW
  4. REFUSED

END SCRIPT:
Thanks, those are all the questions I have for you. Thank you for your time. If you are interested in learning more about this study you can visit the Air Resources board online at www.arb.ca.gov.