

**Procedures and Results of Data Collected for the
2009-2010 Oregon Recreational Boating Questionnaire
and
The Oregon Manually Powered Boating Questionnaire**

Submitted to:

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OBJECTIVES AND SAMPLING DESIGN

Recreational Survey

The Oregon Recreational Boating Survey was conducted in the fall and winter of 2010-11. The objectives of the survey were to obtain information on the types, locations, and the amount of recreational boating found across the State, as well as other characteristics concerning recreational boating.

As with previous studies in 1995, 1998, 2001, 2003, and 2007 the information on recreational boating is desired with reasonable levels of precision for each county across the State of Oregon. Therefore, a stratified sample was obtained using counties as strata. The list of registered boats by county was obtained to draw the sample. The population of registered boat registrations that can be linked to a county is 177,914 motorized boats. This population of 177,914 motorized boats is our target population of recreational boats to which inferences will be drawn in this study.

The allocation of the number of boaters selected for the sample varied across counties. We assumed that the response rate was expected to be similar to previous studies. Larger counties within Oregon had a higher percentage of registered boats and thus were sampled at a higher sampling rate. It was desired that estimates for each county would provide estimates for the binomial responses within +/- 10% margin of error.

A mail survey was conducted from October 2010 through January 2011 to capture recreational boating activities that occurred from October 2009 through September 2010.

This year's Recreational study was broken into three modes of data collection in order to measure the difference in response rates given the various survey completion modes available to the respondent.

The sample of 5,725 was broken into three groups: the mail group (where all survey data was collected through the mail); the Web/Mail group (where survey data was collected through the web and the mail); and the Web/Mail Postcard group (which is similar to the Web/Mail group except for follow-up letter procedures).

Manual Survey

Oregon State Marine Board decided to launch an additional survey for manual boat owners at the same time as the recreational survey. Since OSMB does not currently register manual boats as they do motorized boats, the sample for this survey was selected from the list of Aquatic Invasive Species permit holders in 2010. One-thousand random AIS permit holders were selected to participate in the manual survey. A copy of the survey and all pertinent cover letters are included in Appendix B1 – B2. The codebook used to in-file the data is shown in Appendix B3.

Data Collection

Recreational Survey

All groups received a prenotification letter signed by the OSMB director, Scott Brewen, alerting the potential respondent to the forthcoming study. The mail group of 1,909 received all contacts via the mail and was given a paper copy of the questionnaire to complete. The Web/Mail group received all contacts through the mail but was given instructions to visit a website to complete the questionnaire in the first cover letter and a paper copy of the questionnaire in the follow-up mailing had they not completed the survey online. A second follow-up letter and paper questionnaire was sent as a final mailing to this group. The Web/Mail/Postcard group was similar to the Web/Mail group in that its respondents were asked to complete the questionnaire online initially and were sent a paper copy in the first follow up package, but the final contact was a postcard stating to go either online or to complete the paper copy already sent to them. Please see Appendix A1 for a copy of all letters.

In all, the mail group received 4 contacts, while the Web/Mail and Web/Mail/Postcard groups received 5 contacts. This was done since a previous study showed that the web/mail participants resulted in slightly lower response rates as compared to the mail group. It was of interest to determine if a 5th mailing would improve response rates. It is expected that the additional cost for this mailing would be offset by the numbers of questionnaires received by Web, which has no data entry costs.

Completed surveys received by the SRC by January 7, 2011 were entered into the final data set for this study. Copies of the cover letters are attached in Appendix A1. The questionnaire is located in Appendix A2.

Analyses based on the OSMB list of survey questions follow this summary. A code sheet to interpret the data file is presented in Appendix A3.

Manual Survey

Those selected to take part in the Manual survey first received a prenotification letter from the OSMB Director. An additional 3 mailings were delivered to the manual survey group: a first mailing of the questionnaire, a thank-you/reminder postcard, and a follow-up mailing with the questionnaire to all of those that had not previously responded. All 1,000 individuals in this sample were sent identical types of mailings.

Response Rates

Recreational Survey

In order to account for anticipated non-response, a sample size of 5,725 was selected to meet the sample size requirements across counties. This resulted in a sampling rate of 3.2% for the population of motorized boaters, which was similar to previous studies.

Almost 52% of eligible respondents across the state responded and returned the mail questionnaire.

Over 36% responded to the survey through the mail while nearly 15% completed the survey online. The disposition of response from the recreational survey is presented in Table A1. Table A2 lists the number and percent of water bodies used by the respondents.

Table A1. Disposition for the 2009-10 Marine Board Oregon Recreational Boating Survey.

Outcome	n	Percent
Completed (total)	2946	51.5
Completed by paper	2096	36.6
Completed by Web	850	14.8
Undeliverable	137	2.4
Sold (no longer own boat)	25	0.4
Wrong class (commercial boat)	1	0.01
Completed survey for Wrong boat	3	0.05
Refused	31	0.5
Deceased	14	0.3
Not returned	2568	44.9
Adjusted Response Rate		53.10
 Total	 5725	 100.00

**Adjusted response rate: $2946 / (5725 - 137 - 25 - 1 - 14) = 53.10\%$*

Table A2. Recreational Survey, Number and percent of waterbodies used by respondents.

<u>Waterbodies Used</u>	<u>n</u>	<u>Percent</u>
Did not boat	997	33.8
Boated one body	891	30.2
Boated two bodies	534	18.1
Boated three bodies	297	10.1
Boated four bodies	160	5.4
Four plus "others"	67	2.3
Total	2946	100%

Manual Survey

Table B1 illustrates the overall return disposition for the manual survey. The adjusted response rate for this study was just over 29%. The number of waterbodies boated by AIS permit holders is found in Table B2.

Table B1. Disposition for the 2009-10 Manually Powered Boating Survey.

<u>Outcome</u>	<u>n</u>	<u>Percent</u>
Completed	279	27.9
Undeliverable	39	0.4
Sold (no longer own boat)	3	0.03
Refused	2	0.02
Not returned	677	44.9
Adjusted Response Rate*		29.1
Total	1000	100.00

**Adjusted response rate: $279/(1000-39-3) = 29.1\%$*

Table B2. Manual Survey, Number and percent of waterbodies used by respondents.

<u>Waterbodies Used</u>	<u>n</u>	<u>Percent</u>
Did not boat	70	25.1
Boated one body	80	28.7
Boated two bodies	56	20.1
Boated three bodies	35	12.5
Boated four bodies	28	10.0
Four plus "others"	10	3.6
Total	279	100%

Frequency Tables

Descriptive statistics for all questions and specific summary tables were sent in a series of files to the OSMB. The titles are included on each table to describe the data questions that were summarized in each file.

Results: Recreational

Nearly fifty-two percent of the survey sample responded to the survey. All survey recipients were asked to answer questions referring to the boat license indicated on the top of their survey.

The questionnaire was modified for the 2009-2010 study in that question 2 was deleted and replaced with the primary use question: "Was this boat used in Oregon between October 1, 2009 and September 30, 2010?" Sixty-six percent of respondents indicated they had boated at one or more waterbodies sometime between October 1, 2009 and September 30, 2010 (Question 2). Conversely, 34% stated they had not used their boat at all during this time frame.

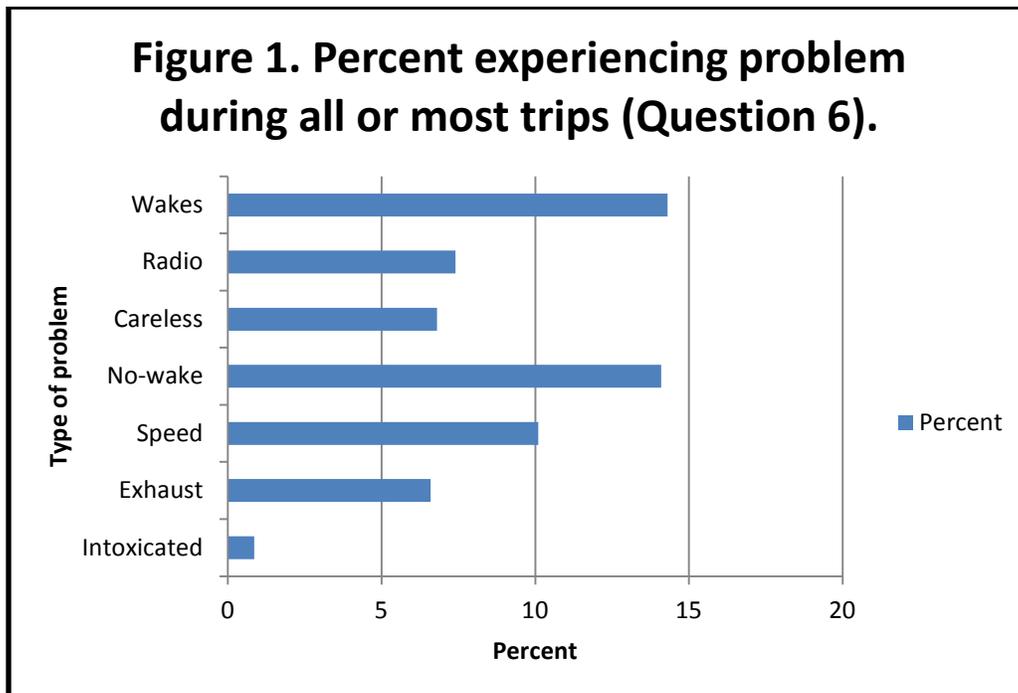
The average age of the primary operator of the boat is 58 years (Question 1). Nearly 54% of the primary boaters were between 51 and 70 years old. Sixty-seven percent of the boats were used in Oregon between October 1, 2009 and September 30, 2010 (Question 2).

Details from survey respondents on frequency of boat use, most used waterbodies, and frequency of use for types of activities were recorded in Questions 3 and 4.

Question 5 asked about the types of outboard engines used in the boat. Thirty-three percent of boats used carbureted two-stroke, 6% used EFI or RFI two-stroke bought before 1/27/99, 11% used direct fuel injection, 30% used four stroke, and nearly 8% used electric as the primary engine (Question 5). Fourteen percent used four-stroke as the auxiliary engine, while 13% were electric.

Question 6 asked how often the operator had experienced specific boating law enforcement problems or conditions for the waterbody most used by the survey respondent. Nearly 79% never experienced boat operators who were obviously intoxicated, while 16% noticed this on some trips. Twenty-nine

percent noticed excessive boat/exhaust noise on some trips, but only 7% experienced this on all or most trips. Figure 1 summarizes the percent of boat owners experiencing a problem on either all or most trips.



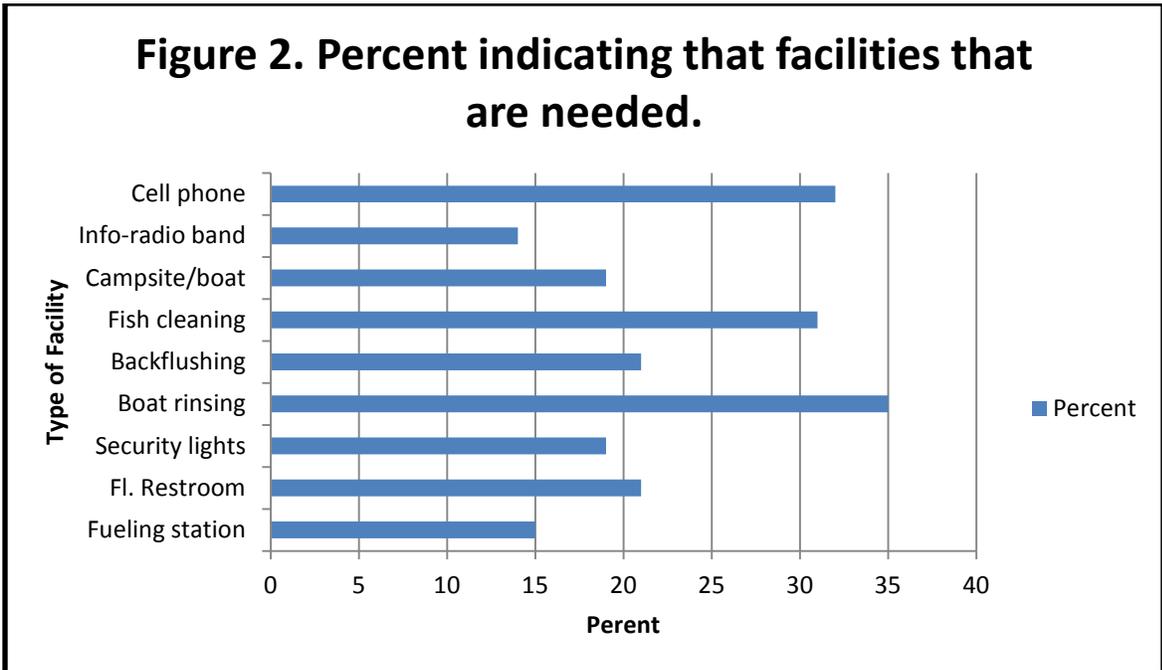
Boat operators were asked whether or not they had experienced certain boating facilities problems or conditions for their most used waterbody during the specified time frame (Question 7). Two problems that were selected most often as a problem were restroom numbers and parking for boat trailers. Nearly 55% and 52% stated that they had experience problems with each of these conditions. Nearly 39% of boaters indicated there were not enough boarding floats.

Boaters were asked to indicate whether or not they had experienced a number of boating safety problems or conditions during this time period (Question 8). The largest number of survey respondents selecting a category from the list was attributed to near collision with a floating hazard (logs, debris, etc.). Nearly 18% of the survey respondents experienced this condition (Question 8e). Conflicts/disagreements with other boaters and near collision with a fixed hazard (rocks, pilings, etc.) were tied with 8.6% of boaters reporting these issues. The next most reported safety problem was near collision with boats or people, which was reported by 7.9% of the boaters.

Boaters were asked to indicate whether or not additional boating facilities are needed at their most used waterbody (Question 9). Boat rinsing or washing areas and cell phone coverage were cited most commonly by 35% and 32% respectively (Figure 2). The least desired facility is local information over low power radio band (14.4%).

Approximately 35% of survey respondents were approached by a marine law safety patrol at their most used waterbody from October 1, 2009 to September 30, 2010 (Question 10). Ninety-two percent of those stopped had their boat equipment or hull inspected. Only 6% of the inspections

Figure 2. Percent indicating that facilities that are needed.

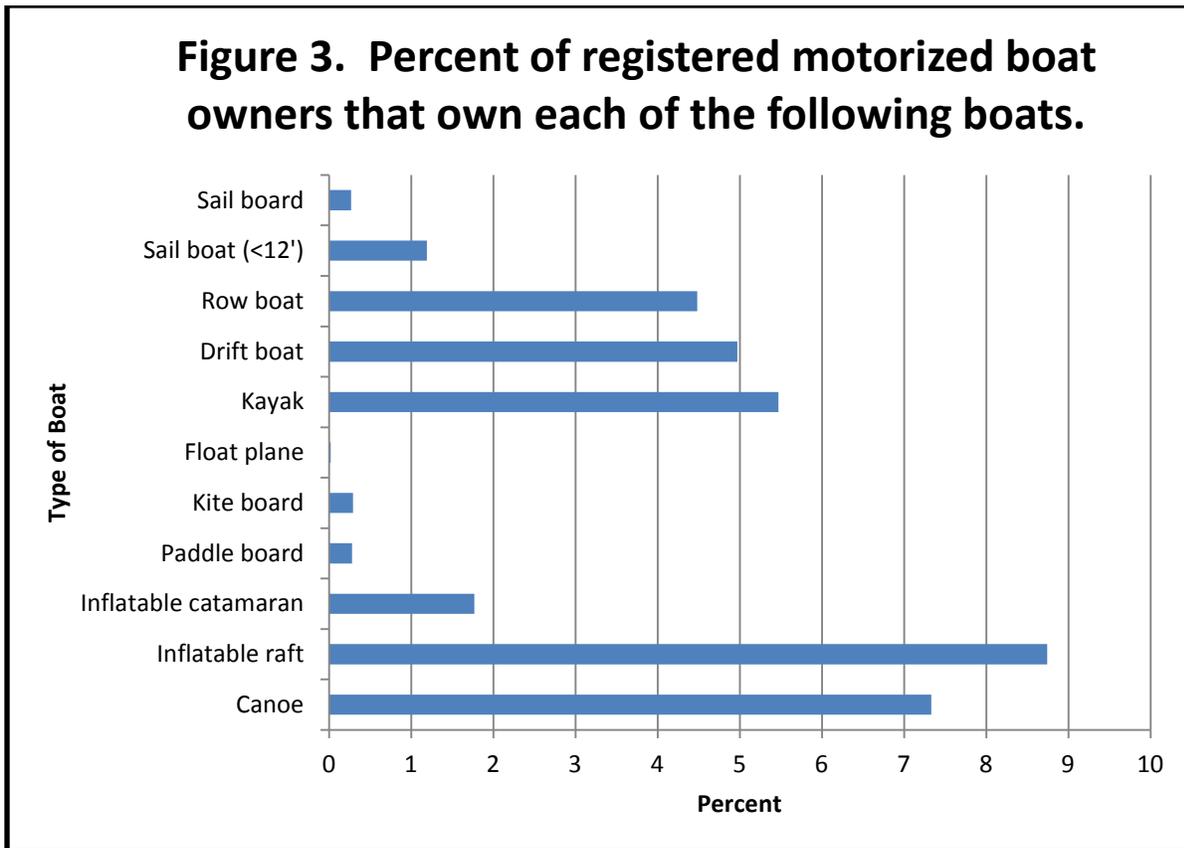


resulted in a warning, citation, or arrest and just over 6% received assistance from the patrol. More encounters (61%) of the marine patrol encounters occurred on land than on the water (48%).

Question 11 determined whether the boater had been approached by an Aquatic Invasive Species inspector in Oregon during the survey time-reference. Five percent of boaters had been approached and of those, 94% were provided useful education information from the inspector. Seventy-seven percent reported that all parts of the boat (including motor and trailer) were inspected, and 12% stated that the inspection resulted in the boat being cleaned. Most of the inspections occurred at a boat ramp or adjacent parking lot (76%) as opposed to a roadside check-station (14%) or elsewhere (11%).

Question 12 asked if the boat owner owns any other water craft besides the one indicated at the start of the survey. This question was added in an attempt to measure the number of additional craft owned by the boating community. Thirty-eight percent indicated they own an additional water craft. Of this group, eighty-one percent currently own additional registered boats. The type of boat selected as the most common boat owned by registered boaters is the inflatable raft (Figure 3).

Figure 3. Percent of registered motorized boat owners that own each of the following boats.



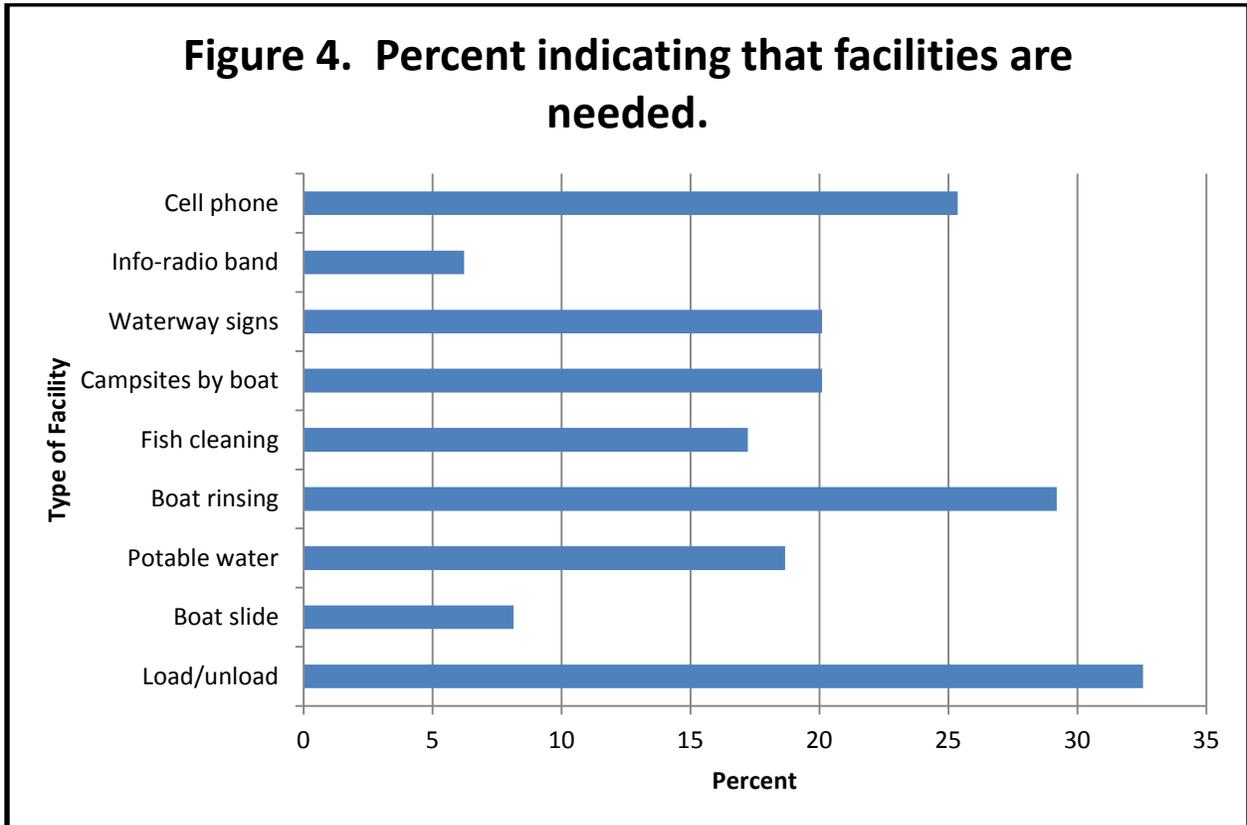
Results: Manual

Frequency results for all questions for owners of manually powered boats are shown in Appendix D. Two-hundred seventy-nine AIS permit holders completed and returned the Manual survey. The mean age of the manual survey respondents is slightly lower than that for the recreational study at 54 years compared to 59 (Question 1).

Of the 279 individuals who completed the survey, roughly 75% indicated they had operated a manually powered boat sometime between October 1 and September 30, 2009 (Question 2). Details from survey respondents on frequency of boat use, most used waterbodies, and frequency of types of activities were recorded in Questions 3 and 4.

All boaters were asked to indicate which additional facilities are needed at the waterbody they had used most during the time-period (Question 5). Loading/unloading areas were indicated as needed most often by 33% of respondents. The next type of facility that was selected as needed was boat rinsing or washing areas (29% stated this was needed). The remaining facilities that were selected as needed by the respondents were: cell-phone coverage (25%), waterway-specific information signs (20.1%), campsites accessible only by boat (20.1%), potable water (18.7%), fish cleaning station (17.2%), boat slide (8.1%), and local information over low power radio band (6.2%) (Figure 4).

Figure 4. Percent indicating that facilities are needed.

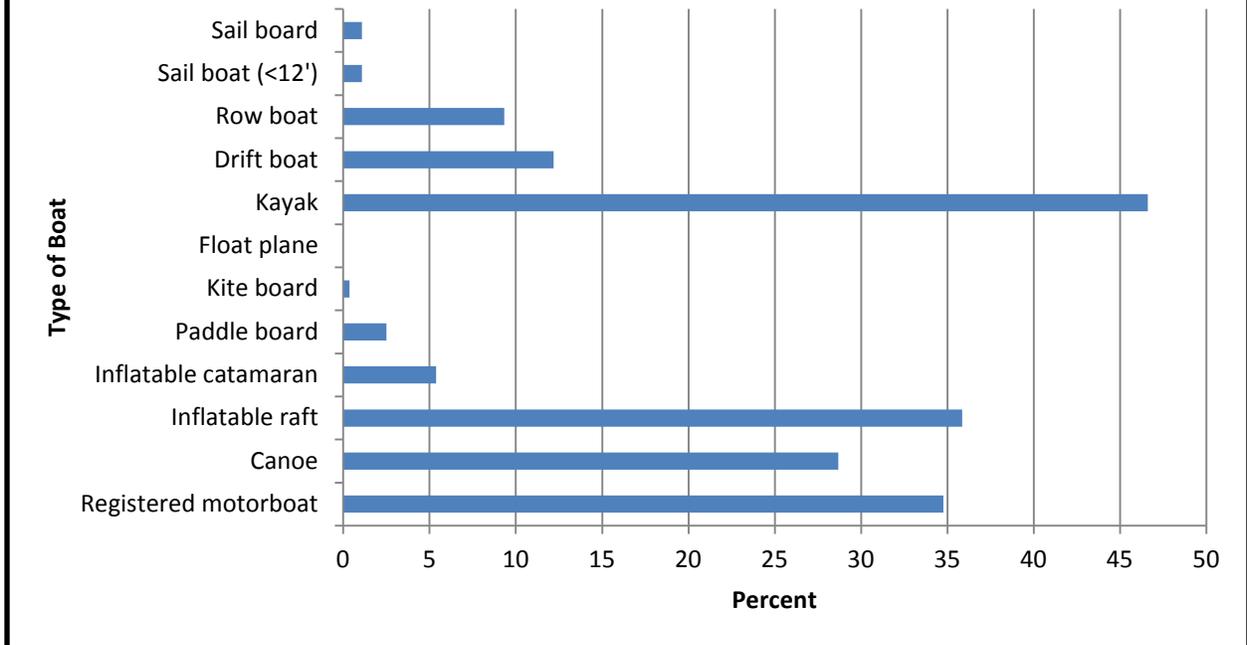


Approximately 19% of survey respondents were approached by a marine law safety patrol at their most used waterbody from October 1, 2009 to September 30, 2010 (Question 6). This percent is much lower than that for the recreational survey where **35%** of motorized boaters claimed they had been stopped. Eighty percent (or 32) of those stopped had their boat equipment or hull inspected. Of the 40 that were stopped, just four of the inspections resulted in a warning, citation, or arrest and only one respondent indicated they had received assistance from the patrol. Fifty percent of the 40 encounters happened on land before or after launching. However, 60% (or 24) stated an encounter occurred on water.

Question 7 asked whether the boater had been approached by an Aquatic Invasive Species inspector in Oregon. Just 7 of the 203 boaters who answered this question stated that they were stopped by an AIS officer. Five stated that the inspector provided useful education information, 3 stated all parts of the boats were inspected, and none of inspections resulted in the boat being cleaned.

Question 8 asked the AIS permit holder how many water craft they own. Questions 8AB – 8AN asked the respondent to fill-in the number of each kind of craft listed. Two-hundred seventy-three of the 279 respondents answered this question. Of those, kayaks are most popular with a total of 304 in possession by AIS permit holders. The second most popular craft is the inflatable raft with 177 claimed to be owned by the respondents (Figure 5).

Figure 5. Percent of registered manual boat owners that own each of the following boats.



Precision by County and State: Recreational

The details of the precision estimates by county for the binomial responses based on the number of completed surveys are shown in Table 3. Counties with small populations of boats resulted in slightly larger margins of error than the 10% targeted level. This was due to higher levels of nonresponse in these counties. Most counties met the 10% margin of error that was desired for the study. Statewide results of the binomial responses were estimated within approximately +/- 1.0%.

Table 3. Precision of estimates for binomial responses by county based on the number of completed surveys in each county.

(Multiply each number by 100 to get margin of error in terms of percent).

1	Baker	0.100
2	Benton	0.096
3	Clackamas	0.103
4	Clatsop	0.108
5	Columbia	0.110
6	Coos	0.106
7	Crook	0.104
8	Curry	0.108
9	Deschutes	0.107
10	Douglas	0.098
11	Gilliam	0.133
12	Grant	0.096
13	Harney	0.103
14	Hood	0.097
15	Jackson	0.113
16	Jefferson	0.102
17	Josephine	0.102
18	Klamath	0.102
19	Lake	0.107
20	Lane	0.105
21	Lincoln	0.101
22	Linn	0.103
23	Malheur	0.099
24	Marion	0.109
25	Morrow	0.101
26	Multnomah	0.100
27	Polk	0.101
28	Sherman	0.106
29	Tillamook	0.102
30	Umatilla	0.105
31	Union	0.101
32	Wallowa	0.101
33	Wasco	0.106
34	Washington	0.098
35	Wheeler	0.130
36	Yamhill	0.106
	STATEWIDE	0.0179

**APPENDIX A1. COPY OF COVER LETTERS USED IN THE 2009-10
OREGON RECREATIONAL BOATING QUESTIONNAIRE.**



Oregon
Theodore R. Kulorogskic, Governor

State Marine Board
405 Commercial St NE Suite 400
PO Box 14147
Salem, OR 97309-5065
(503) 378-8587
Fax (503) 378-4597



Dear Oregon Boater:

October 2010

I hope you had a safe and enjoyable summer. While many of us are winding down from a busy boating season, others are gearing up for fall and winter angling. Oregon has a lot to offer boaters and I encourage you to take advantage of the many boating opportunities available to you.

The Marine Board is funded by boaters to serve boaters. We do this by partnering with cities, counties, ports, and state and federal agencies to improve boating access and provide safety services to the boaters of Oregon. Every three years we survey the boaters to find out how we are doing by asking boaters like you about your experiences, opinions, and needs.

In the next week, you will receive a letter in the mail from the **Oregon State University Survey Research Center** containing a survey questionnaire. The survey is required by statute (ORS 830.115) and samples a random selection of Oregon's boaters. The results of this scientific survey help monitor and improve the quality of boating facilities and safety services statewide.

I am writing in advance to tell you about this important project and encourage you to participate.

When you receive your letter from the SRC by mail, I would greatly appreciate it if you would complete the questionnaire to the best of your ability and return it as soon as possible to OSU. Results from past surveys are available online at www.boatoregon.com.

Remember, every response helps us better understand boaters' needs and allows us to improve our services to you. If you have questions about the purpose of this study, please call Randy Henry at the Marine Board office at 503-378-2611. Thank you for your assistance.

Sincerely,

Scott Brewen, Director
Oregon State Marine Board

{Mail first letter}

Dear Oregon Boater:

October 13, 2010

The Marine Board is working to improve the quality of boating facilities statewide and the safety services provided through our partners, the cities, counties, ports and state and federal agencies that manage Oregon's waterways. One way we do this is to ask boaters like you about your experiences, opinions, and needs. Enclosed is a questionnaire that asks about your boating experiences over the last year.

We ask that you please complete the enclosed questionnaire and return it as soon as possible. Even if you were not able to use your boat at all during the past twelve months, we would like you to answer a few questions and then return the questionnaire to us in the postage-paid envelope provided.

Only a limited number of boaters are randomly selected to participate in this survey so your response is very important to us. Please note that we are asking you about a specific boat. If you own more than one boat, please make sure your responses relate to the boat with the registration number printed on the top of the questionnaire.

Your answers to the survey will remain confidential and will be released only as summaries in which no individual's name or boat can be identified. The questionnaire has an ID printed on it for mailing purposes only. The Oregon State University Survey Research Center is working with the Marine Board to enter the data and report the results of these surveys. This arrangement will ensure that all survey participants will remain anonymous.

Every response helps us better understand boaters' needs and allows us to improve our services to you. If you have questions about the purpose of this study, please call Randy Henry at the Marine Board office at 503-378-2611. If you have questions about submitting your questionnaire, please contact me at 541-737-3584 or at lesser@science.oregonstate.edu Thank you for your cooperation.

Sincerely,



V.M. Lesser, Director
return envelope

Enclosures: Questionnaires, Postage-paid

P.S. If you have questions about your rights as a survey participant, please contact the Oregon State University Institutional Review Board (IRB) Human Protection Administrator at 541-737-8008 or by email at IRB@oregonstate.edu

{Mail postcard}

Last week, you should have received a letter from us asking you to complete a questionnaire asking about how your boat was used in the last year.

If you have already completed the questionnaire, please accept our thanks. If you have not completed and returned the questionnaire, I just want you to know that your response is very important to us.

Sincerely,

A handwritten signature in cursive script that reads "V.M. Lesser".

V.M. Lesser
Director, OSU Survey Research Center

{Mail follow-up letter}

Dear Oregon Boat Owner:

November 9, 2010

About three weeks ago we wrote to you asking your help on recreational boating use in Oregon. We are collecting this information for the Oregon State Marine Board. To the best of our knowledge, we have not yet received your completed questionnaire.

In the event your original questionnaire did not reach you or has been misplaced, a replacement copy is enclosed. If you've already responded, thank you for cooperating. If not, please take a few moments to answer the questions and return the questionnaire to us in the postage-paid envelope.

Even if you were not able to use your boat at all during the past twelve months, we would like you to answer a few questions and then return the questionnaire to us. Please note that we are asking you about a specific boat. If you own more than one boat, please make sure your responses relate to the boat with the registration number printed on the top of the questionnaire.

You may be assured of complete confidentiality. The questionnaire has an identification number for mailing purposes only so that we can check your household off the mailing list when we receive your survey. Your personal information (e.g., name, address, and boater ID) will never be placed in the data file and will not be used for any other purpose but this study.

I encourage you to use this opportunity to tell us about your boating experiences, your preferences, and your opinions. The Marine Board will use your response and those of other boaters to improve our programs and services to you.

If you have questions about the purpose of this study, please call Randy Henry at the Marine Board office at 503-378-2611. If you have questions about submitting your questionnaire, please contact me at 541-737-1993 or at newton@science.oregonstate.edu Thank you for your cooperation.

Sincerely,



Lydia Newton, Project Manager

Enclosures: Questionnaire, Postage-paid return envelope

P.S. If you have questions about your rights as a survey participant, please contact the Oregon State University Institutional Review Board (IRB) Human Protection Administrator at 541-737-8008 or by email at IRB@oregonstate.edu .

{Web/Mail first letter}

Dear Oregon Boater:

October 13, 2010

The Marine Board is working to improve the quality of boating facilities statewide and the safety services provided through our partners, the cities, counties, ports and state and federal agencies that manage Oregon's waterways. One way we do this is to ask boaters like you about your experiences, opinions, and needs.

If people respond to our questionnaire by using the Internet, the state saves money in these difficult economic times and obtains results quickly. It would be particularly helpful if you could respond in the next 14 days.

To respond over the Internet is easy: just go to the address bar in your web browser window and type <http://boatsurvey.oregonstate.edu>. A page with a picture of boaters will appear. Once there, please enter your **Access Code: XXXX**. You will then be prompted to your first question; the remaining questions will then show up on your screen. Note that searching for the site through a search engine like Google or Yahoo will not take you to the survey.

Please note that we are asking you about a specific boat. Your boat license number, make, and length will show on the top of the first survey page after you log in.

We realize that some households do not have Internet access. If this is the case for you, we will send a paper version of the questionnaire for you to fill out and mail back to us if we don't receive an Internet response in the next 14 days.

Even if you were not able to use your boat at all during the past twelve months, we would like you to answer a few questions and then return the questionnaire to us.

Only a limited number of boaters are randomly selected to participate in this survey so your response is very important to us. Please note that we are asking you about a specific boat. If you own more than one boat, please make sure your responses relate to the boat with the registration number printed on the top of the questionnaire.

Your answers to the survey will remain confidential and will be released only as summaries in which no individual's name or boat can be identified. The questionnaire has an ID printed on it for mailing purposes only. The Oregon State University Survey Research Center is working with the Marine Board to enter the data and report the results of these surveys. This arrangement will ensure that all survey participants will remain anonymous.

Every response helps us better understand boaters' needs and allows us to improve our services to you. If you have questions about the purpose of this study, please call Randy Henry at the Marine Board office at 503-378-2611. If you have questions about submitting your questionnaire, please contact me at 541-737-3584 or at lesser@science.oregonstate.edu Thank you for your cooperation.

Sincerely,



V.M. Lesser, Director

P.S. If you have questions about your rights as a survey participant, please contact the Oregon State University Institutional Review Board (IRB) Human Protection Administrator at 541-737-8008 or by email at IRB@oregonstate.edu.

{Web/Mail Postcard}

Last week, you should have received a letter from us asking you to visit our website <http://boatsurvey.oregonstate.edu> to complete a questionnaire asking about how your boat was used in the last year.

If you have already completed the questionnaire, please accept our thanks. If you have not completed and returned the questionnaire, I just want you to know that your response is very important to us.

Once at the website, please enter **XXXXX** as your **access code**.

Sincerely,



V.M. Lesser
Director, OSU Survey Research Center

{Web/Mail follow-up letter}

Dear Oregon Boat Owner:

October 28, 2010

About three weeks ago we wrote to you asking your help on recreational boating use in Oregon. We are collecting this information for the Oregon State Marine Board. To the best of our knowledge, we have not yet received your completed questionnaire.

To respond over the Internet is easy: just go to the address bar in your web browser window and type <http://boatsurvey.oregonstate.edu>. Once there, please enter your **Personal Access Code: XXXXX**. You will then be prompted to your first question; the remaining questions will then show up on your screen. However, we realize that some households do not have Internet access or prefer not to complete it on the Internet. If this is the case for you, we have enclosed a paper version of the questionnaire. Please complete and return the questionnaire in the postage-paid envelope provided.

Even if you were not able to use your boat at all during the past twelve months, we would like you to answer a few questions and then return the questionnaire to us.

Please note that we are asking you about a specific boat. If you own more than one boat, please make sure your responses relate to the boat with the registration number printed on the top of the questionnaire.

You may be assured of complete confidentiality. The questionnaire has an identification number for mailing purposes only so that we can check your household off the mailing list when we receive your survey. Your personal information (e.g., name, address, and boater ID) will never be placed in the data file and will not be used for any other purpose but this study.

I encourage you to use this opportunity to tell us about your boating experiences, your preferences, and your opinions. The Marine Board will use your response and those of other boaters to improve our programs and services to you.

If you have questions about the purpose of this study, please call Randy Henry at the Marine Board office at 503-378-2611. If you have questions about submitting your questionnaire, please contact me at 541-737-1993 or at newton@science.oregonstate.edu. Thank you for your cooperation.

Sincerely,



Lydia Newton, Project Manager

Enclosures: Questionnaire, Postage-paid return envelope

P.S. If you have questions about your rights as a survey participant, please contact the Oregon State University Institutional Review Board (IRB) Human Protection Administrator at 541-737-8008 or by email at IRB@oregonstate.edu.

{Web/Mail second follow-up letter}

Dear Oregon Boater:

November 19, 2010

Recently we have sent you several notices about an important study we are conducting for the Oregon State Marine Board (OSMB). To the best of our knowledge, we have not yet received your completed questionnaire. The survey is important because, based on the information you provide, OSMB will be informed of the facilities, services, and boating activities that are most important to you and manage these resources appropriately.

The study is drawing to a close and this is our last contact that will be made. If you have already completed the questionnaire, please accept our thanks. Hearing from everyone in our sample is important for us to assure that the sample results reflect the population of boaters.

Please go to your web browser window and type <http://boatsurvey.oregonstate.edu> . In order to find the site online you must type the address in the window where you see your home page address when you first open the Internet. Searching through a search engine like Google or Bing will not find the site. Once there, please enter your **Access Code: XXXX**. You will then be prompted to your first question; the remaining questions will then show up on your screen.

We realize, however, that some households do not have Internet access or prefer not to complete it on the Internet. If this is the case for you, we have enclosed a paper version of the questionnaire. Please complete and return the questionnaire in the postage-paid envelope provided.

You may be assured of complete confidentiality. The questionnaire has an identification number for mailing purposes only so that we can check your household off the mailing list when we receive your survey. Any identifiable information such as your name, address, or boat ID will never be placed in the data file and will not be used for any other purpose but this study. Your participation in this study is voluntary and you may skip any question you choose not to answer.

Your cooperation is greatly appreciated.

Sincerely,



Lydia Newton
Project Manager

P.S. If you have any questions about the purpose of this survey, please call Randy Henry at the Oregon State Marine Board 503-378-2611. If you have questions about submitting your questionnaire, please contact me at 541-737-1993 or at newton@science.oregonstate.edu . Should you have questions about your rights as a survey participant, please contact the Oregon State University Institutional Review Board (IRB) Human Protection Administrator at 541-737-8008 or by email at IRB@oregonstate.edu .

{Web/Mail postcard follow-up}

Over the past few weeks, you should have received several letters from us asking you to visit our website <http://boatsurvey.oregonstate.edu> to complete a questionnaire asking about how your boat was used in the last year. We also sent a printed version of the questionnaire in an earlier mailing.

The study is drawing to a close and this is our last contact that will be made. If you have already completed the questionnaire, please accept our thanks. Your response is very important to us.

You can participate by either returning the paper questionnaire to us or by completing it on our website at the address above. Once at the website, please enter **XXXXX** as your **access code**.

Sincerely,

A handwritten signature in cursive script that reads "Lydia Newton".

Lydia Newton, Project Manager

APPENDIX A2. COPY OF THE OREGON RECREATIONAL BOATING QUESTIONNAIRE

OREGON RECREATIONAL BOATING QUESTIONNAIRE

PLEASE COMPLETE THIS QUESTIONNAIRE FOR THE BOAT IDENTIFIED BY THE REGISTRATION NUMBER THAT APPEARS BELOW.

BOAT REGISTRATION NUMBER:	MAKE:	LENGTH:
----------------------------------	--------------	----------------

1. What is the age of the primary operator of this boat?

_____ AGE OF PRIMARY OPERATOR

2. Was **this boat** used in Oregon between **October 1, 2009** and **September 30, 2010**?

(Check one box)

₁ NO → (Since this boat was not used between October 1, 2009 and September 30, 2010, please go to question 12 on page 4)

₂ YES (After checking YES, continue with question 3)

3. In the table below, please write the number of days **this boat** was used in Oregon in each of the months listed. Write a "0" (zero) if this boat was not used during a month. (A day is all or any part of a 24-hour period when this boat was used.)

2009			2010								
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

4. In the table below, please write the names of up to four water bodies in Oregon (e. g., lakes, rivers, ocean, etc.) where this boat was used most often from October 1, 2009 to September 30, 2010.

After each water body, write the name of the boat ramp or marina where this boat was launched. Then, list the total number of trips you made to this site and the total number of days you used this boat. (A trip is each time you left your residence to go boating. A day is all or any part of a 24-hour period when this boat was used.)

Finally, please give the total number of days you spent participating in the major boating activities listed on the right side of the table. If none, please write "0" (zero). (**Note** - "Water ski" includes wakeboards, inflatables and all other towed devices.) Count each part of a day spent on any activity as one day.

MOST USED WATER BODIES	NAME OF OREGON WATER BODY	NAME OF BOAT RAMP, LAUNCH SITE OR MARINA USED	TOTAL TRIPS	TOTAL DAYS BOAT USED	Activities					
					Total days this boat was used to:					
					FISH/ CRAB	SAIL	JET SKI	WATER SKI	CRUISE	HUNT
EXAMPLE	Willamette River	Meldrum Bar	10	18	11	0	0	5	8	0
Most Used										
2nd Most Used										
3rd Most Used										
4th Most Used										
All others Combined	For all other water bodies, write the total number of trips, the total number of days, and the total days used for the activities listed. →									

5. Please indicate whether or not you used each of the following types of **outboard** engines as a primary or auxiliary engine on this boat from October 1, 2009 to September 30, 2010.
(Circle YES or NO for each engine.)

	AS PRIMARY ENGINE		AS AUXILIARY ENGINE	
	YES	NO	YES	NO
a. Carbureted two-stroke (gas & oil mix).....	YES	NO	YES	NO
b. EFI or RFI two-stroke bought before 1/27/99.....	YES	NO	YES	NO
c. Direct fuel injection (EPA 2006 Standard).....	YES	NO	YES	NO
d. Four stroke	YES	NO	YES	NO
e. Electric.....	YES	NO	YES	NO

6. The following is a list of boating law enforcement problems or conditions. At the water body you used most in Oregon (see Question 4); please indicate how often you experienced each of these problems from October 1, 2009 to September 30, 2010 (Check one box for each problem/condition)

	NEVER	SOME TRIPS	MOST TRIPS	ALWAYS
	1	2	3	4
a. Boat operators who are obviously intoxicated.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Excessive boat/exhaust noise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Violations of speed limits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Violations of no-wake zones.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Careless or reckless boaters.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Excessive radio/stereo noise from another boat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Excessive boat wakes (that disrupt other activities)...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. At the water body you used most in Oregon (see Question 4); please indicate whether or not you experienced each of the following boating facility problems or conditions from October 1, 2009 to September 30, 2010. (Check YES or NO for each problem/condition)

	YES	NO	DON'T KNOW
	1	2	3
a. Entrance or launch fee too high	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Hazardous condition at ramp (drop-off, etc.).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Lack of maintenance at launch site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Enough restrooms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Enough parking for boat trailers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Enough boarding floats.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Lack of short-term tie-ups.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Lack of adequate marine law enforcement/safety patrol.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. At the water body you used most in Oregon; please indicate whether or not you experienced each of the following boating safety problems or conditions from October 1, 2009 to September 30, 2010. (Check YES or NO for each problem/condition)

	YES	NO	DON'T KNOW
	1	2	3
a. Conflicts/disagreements with other boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Conflicts/disagreements with non-boaters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Near collision with boats or people.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Near collision with a fixed hazard (rocks, pilings, etc.).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Near collision with a floating hazard (logs, debris, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Collision involving another boat.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Collision with a fixed hazard (rocks, pilings, etc.).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Collision with a floating hazard (logs, debris, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Accident causing over \$2,000 damage to boat(s).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Accident resulting in person(s) injured and treated.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Other (Describe _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. At the water body you used most in Oregon; please indicate whether or not the following additional facilities are needed. (Check YES, NEEDED or NOT NEEDED for each facility)

YES, NEEDED	NOT NEEDED
----------------	---------------

a. Fueling station on or near the water.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. Floating restroom.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
c. Security lights in the parking area	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
d. Boat rinsing or washing area.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
e. Engine backflushing and bilge disposal facility	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
f. Fish cleaning station.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
g. Campsites accessible only by boat	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
h. Local information over low power radio band.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
i. Cell phone coverage.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
j. Other (Describe.....)		

10. Were you approached by a marine law safety patrol at your most used water body (see Question 4) anytime from October 1, 2009 to September 30, 2010? (After checking your answer, follow arrow to next question).

- ₁ NO → (After checking NO, skip to Question 11)
- ₂ DON'T KNOW/CAN'T REMEMBER → (After checking your answer, skip to Question 11)
- ₃ YES (After checking YES, continue with question 10A)

10A. If yes, please indicate whether your boat was approached and/or questioned for each of the following reasons by the marine law safety patrol.

YES	NO
-----	----

a. Boat equipment or hull identification inspection	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. Law enforcement action warning, citation, or arrest	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
c. Received assistance (direction, tow, rescue, etc).....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂

10B. Where did the encounter(s) happen?

YES	NO
-----	----

a. On land (before or after launching)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. On water (while boating)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂

11. Were you approached in Oregon by an Aquatic Invasive Species boat inspector anytime from October 1, 2009 to September 30, 2010?

- ₁ NO → (After checking NO, skip to Question 12 on the next page)
- ₂ DON'T KNOW/CAN'T REMEMBER → (After checking your answer, skip to Question 12 on the next page)
- ₃ YES (After checking YES, continue with question 11A)

11A. If yes, please indicate whether or not the following happened with the Aquatic Species boat inspector.

YES	NO
-----	----

a. The inspector provided useful educational information.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. All parts of the boat (including motor & trailer) were inspected	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
c. The inspection resulted in your boat being cleaned.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
d. The inspection occurred at a boat ramp or adjacent parking area .	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
e. The inspection occurred at a roadside check station.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
f. The inspection occurred elsewhere (Describe.....)		

12. Do you currently own any other watercraft besides the one listed on the front of this survey?

₁ NO → (After checking NO, skip to Question 13)

₂ YES (After checking YES, continue with question 12a)

12A. Please write in the total number of each craft you currently own. (We printed a 1 in the "Registered motorboat" space to count the boat listed on the survey)

a. Registered motorboat on survey ...	__1__	(As printed on page 1)
b. Additional registered boats.....	_____	
c. Canoe.....	_____	
d. Inflatable raft	_____	
e. Inflatable catamaran.....	_____	
f. Standup paddle board.....	_____	
g. Kite board.....	_____	
h. Float plane	_____	
i. Kayak	_____	
j. Drift boat.....	_____	
k. Row boat	_____	
l. Sail boat (less than 12 feet)	_____	
m. Sail board	_____	
n. Other	_____	(Describe _____)
o. TOTAL WATERCRAFT YOU OWN _____		

13. What else do you want to say about boating in Oregon, the Oregon State Marine Board or about this survey in general?

THANK YOU FOR COMPLETING THE SURVEY
Please return your survey in the postage paid envelope to:
Oregon State University Survey Research Center
44 Kidder Hall
Corvallis, OR 97331-4606

**APPENDIX A3. KEY TO DATAFILE THE 2009-10
OREGON RECREATIONAL BOATING SURVEY.**

Codebook Name: OSMB2009-10PAPER
 Date: January 20, 2011
 Number of Variables in Codebook: 142
 Data Record Length: 273

Var. 1	Fmt: N1	Col: 1	Name: WAVE (A)			
	MAILING WAVE					
	0=FIRST WEB/MAIL MAILING		3=POSTCARD AS FINAL MAILING			
	1=FIRST SURVEY MAILING		9=NOT APPLICABLE			
	2=SECOND SURVEY MAILING					
Var. 2	Fmt: N5	Col: 2-6	Name: ID (B)			
	ID					
	20001-43815					
Var. 3	Fmt: N1	Col: 7	Name: GROUP (C)			
	Experimental group					
	1=ALL MAIL		2=WEB/MAIL		3=WEB/MAIL/PC	
Var. 4	Fmt: N2	Col: 8-9	Name: COUNTY (D)			
	First, please click on the county in which you currently live.					
	01=Baker	10=Douglas	19=Lake	28=Sherman		
	02=Benton	11=Gilliam	20=Lane	29=Tillamook		
	03=Clackamas	12=Grant	21=Lincoln	30=Umatilla		
	04=Clatsop	13=Harney	22=Linn	31=Union		
	05=Columbia	14=Hood River	23=Malheur	32=Wallowa		
	06=Coos	15=Jackson	24=Marion	33=Wasco		
	07=Crook	16=Jefferson	25=Morrow	34=Washington		
	08=Curry	17=Josephine	26=Multnomah	35=Wheeler		
	09=Deschutes	18=Klamath	27=Polk	36=Yamhill		
Var. 5	Fmt: N1	Col: 10	Name: DISP (E)			
	Return disposition					
	1=Complete Paper		6=Complete Web			
	2=Refusal ;191		7=Sold boat ;191			
	3=Undeliverable ;191		8=Wrong boat ;191			
	4=Deceased ;191		9=Commercial boat ;191			
	5=No longer OR resident ;191					
Var. 6	Fmt: N2	Col: 11-12	Name: Q1PRIMARY (F)			
	Q1. What is the age of the primary operator of this boat.					
	#		99=NO RESPONSE			

Var. 7	Fmt: N1	Col: 13	Name: Q2 (G)
	Q2: Was this boat used in Oregon between October 1, 2009 and September 30, 2010?		
	1=NO ;127	2=YES	9=NO RESPONSE ;127
Var. 8	Fmt: N2	Col: 14-15	Name: Q3OCT2009 (H)
	Q3OCT2009: Days used		
	00-31	99=NO RESPONSE	
Var. 9	Fmt: N2	Col: 16-17	Name: Q3NOV2009 (I)
	Q3NOV2009: Days used		
	00-30	99=NO RESPONSE	
Var. 10	Fmt: N2	Col: 18-19	Name: Q3DEC2009 (J)
	Q3DEC2009: Days used		
	00-31	99=NO RESPONSE	
Var. 11	Fmt: N2	Col: 20-21	Name: Q3JAN2010 (K)
	Q3JAN2010: Days used		
	00-31	99=NO RESPONSE	
Var. 12	Fmt: N2	Col: 22-23	Name: Q3FEB2010 (L)
	Q3FEB2010: Days used		
	00-28	99=NO RESPONSE	
Var. 13	Fmt: N2	Col: 24-25	Name: Q3MAR2010 (M)
	Q3MAR2010: Days used		
	00-31	99=NO RESPONSE	
Var. 14	Fmt: N2	Col: 26-27	Name: Q3APR2010 (N)
	Q3APR2010: Days used		
	00-30	99=NO RESPONSE	
Var. 15	Fmt: N2	Col: 28-29	Name: Q3MAY2010 (O)
	Q3MAY2010: Days used		
	00-31	99=NO RESPONSE	
Var. 16	Fmt: N2	Col: 30-31	Name: Q3JUN2010 (P)
	Q3JUN2010: Days used		
	00-30	99=NO RESPONSE	
Var. 17	Fmt: N2	Col: 32-33	Name: Q3JUL2010 (Q)
	Q3JUL2010: Days used		

	00-31		99=NO RESPONSE
Var. 18	Fmt: N2 Q3AUG2010: Days used 00-31	Col: 34-35	Name: Q3AUG2010 (R) 99=NO RESPONSE
Var. 19	Fmt: N2 Q3SEP2010: Days used 00-30	Col: 36-37	Name: Q3SEP2010 (S) 99=NO RESPONSE
Var. 20	Fmt: N9 Q4aCODEMOST: Code for site, county and waterbody #	Col: 38-46	Name: Q4aCODEMOST (T) 999999999=NO RESPONSE
Var. 21	Fmt: N3 Q4aTRIPS: Total trips #	Col: 47-49	Name: Q4aTRIPS (U) 999=NO RESPONSE
Var. 22	Fmt: N3 Q4aDAYS: Total days #	Col: 50-52	Name: Q4aDAYS (V) 999=NO RESPONSE
Var. 23	Fmt: N3 Q4aFISH/CRAB: Total days #	Col: 53-55	Name: Q4aFISH_CRAB (W) 999=NO RESPONSE
Var. 24	Fmt: N3 Q4aSAIL: Total days #	Col: 56-58	Name: Q4aSAIL (X) 999=NO RESPONSE
Var. 25	Fmt: N3 Q4aJETSKI: Total days #	Col: 59-61	Name: Q4aJETSKI (Y) 999=NO RESPONSE
Var. 26	Fmt: N3 Q4aWATERSKI: Total days #	Col: 62-64	Name: Q4aWATERSKI (Z) 999=NO RESPONSE
Var. 27	Fmt: N3 Q4aCRUISE: Total days #	Col: 65-67	Name: Q4aCRUISE (AA) 999=NO RESPONSE
Var. 28	Fmt: N3 Q4aHUNT: Total days	Col: 68-70	Name: Q4aHUNT (AB)

#			999=NO RESPONSE
Var. 29	Fmt: N1 Is there a second waterbody? 1=NO ;68 2=YES	Col: 71	Name: Proceed2ND (AC)
Var. 30	Fmt: N9 Q4bCODE2ND: Code for site, county and waterbody #	Col: 72-80	Name: Q4BCODE2ND (AD) 999999999=NO RESPONSE
Var. 31	Fmt: N3 Q4bTRIPS: Total trips #	Col: 81-83	Name: Q4bTRIPS (AE) 999=NO RESPONSE
Var. 32	Fmt: N3 Q4bDAYS: Total days #	Col: 84-86	Name: Q4bDAYS (AF) 999=NO RESPONSE
Var. 33	Fmt: N3 Q4bFISH/CRAB: Total days #	Col: 87-89	Name: Q4bFISH_CRAB (AG) 999=NO RESPONSE
Var. 34	Fmt: N3 Q4bSAIL: Total days #	Col: 90-92	Name: Q4bSAIL (AH) 999=NO RESPONSE
Var. 35	Fmt: N3 Q4bJETSKI: Total days #	Col: 93-95	Name: Q4bJETSKI (AI) 999=NO RESPONSE
Var. 36	Fmt: N3 Q4bWATERSKI: Total days #	Col: 96-98	Name: Q4bWATERSKI (AJ) 999=NO RESPONSE
Var. 37	Fmt: N3 Q4bCRUISE: Total days #	Col: 99-101	Name: Q4bCRUISE (AK) 999=NO RESPONSE
Var. 38	Fmt: N3 Q4bHUNT: Total days #	Col: 102-104	Name: Q4bHUNT (AL) 999=NO RESPONSE
Var. 39	Fmt: N1 Is there a third waterbody?	Col: 105	Name: Proceed3RD (AM)

1=NO ;68 2=YES

Var. 40	Fmt: N9	Col: 106-114	Name: Q4CCODE3RD (AN)
	Q4cCODE3RD: Code for site, county and waterbody		
	#		999999999=NO RESPONSE

Var. 41	Fmt: N3	Col: 115-117	Name: Q4cTRIPS (AO)
	Q4cTRIPS: Total trips		
	#		999=NO RESPONSE

Var. 42	Fmt: N3	Col: 118-120	Name: Q4cDAYS (AP)
	Q4cDAYS: Total days		
	#		999=NO RESPONSE

Var. 43	Fmt: N3	Col: 121-123	Name: Q4cFISH_CRAB (AQ)
	Q4cFISH/CRAB: Total days		
	#		999=NO RESPONSE

Var. 44	Fmt: N3	Col: 124-126	Name: Q4cSAIL (AR)
	Q4cSAIL: Total days		
	#		999=NO RESPONSE

Var. 45	Fmt: N3	Col: 127-129	Name: Q4cJETSKI (AS)
	Q4cJETSKI: Total days		
	#		999=NO RESPONSE

Var. 46	Fmt: N3	Col: 130-132	Name: Q4cWATERSKI (AT)
	Q4cWATERSKI: Total days		
	#		999=NO RESPONSE

Var. 47	Fmt: N3	Col: 133-135	Name: Q4cCRUISE (AU)
	Q4cCRUISE: Total days		
	#		999=NO RESPONSE

Var. 48	Fmt: N3	Col: 136-138	Name: Q4cHUNT (AV)
	Q4cHUNT: Total days		
	#		999=NO RESPONSE

Var. 49	Fmt: N1	Col: 139	Name: Proceed4TH (AW)
	Is there a 4th waterbody?		
	1=NO ;68	2=YES	

Var. 50	Fmt: N9	Col: 140-148	Name: Q4dCODE4TH (AX)
	Q4dCODE4TH: Code for site, county and waterbody		

#

999999999=NO RESPONSE

Var. 51	Fmt: N3 Q4dTRIPS: Total trips #	Col: 149-151	Name: Q4dTRIPS (AY) 999=NO RESPONSE
Var. 52	Fmt: N3 Q4dDAYS: Total days #	Col: 152-154	Name: Q4dDAYS (AZ) 999=NO RESPONSE
Var. 53	Fmt: N3 Q4dFISH/CRAB: Total days #	Col: 155-157	Name: Q4dFISH_CRAB (BA) 999=NO RESPONSE
Var. 54	Fmt: N3 Q4dSAIL: Total days #	Col: 158-160	Name: Q4dSAIL (BB) 999=NO RESPONSE
Var. 55	Fmt: N3 Q4dJETSKI: Total days #	Col: 161-163	Name: Q4dJETSKI (BC) 999=NO RESPONSE
Var. 56	Fmt: N3 Q4dWATERSKI: Total days #	Col: 164-166	Name: Q4dWATERSKI (BD) 999=NO RESPONSE
Var. 57	Fmt: N3 Q4dCRUISE: Total days #	Col: 167-169	Name: Q4dCRUISE (BE) 999=NO RESPONSE
Var. 58	Fmt: N3 Q4dHUNT: Total days #	Col: 170-172	Name: Q4dHUNT (BF) 999=NO RESPONSE
Var. 59	Fmt: N1 Are there others? 1=NO ;68 2=YES	Col: 173	Name: ProceedOTHERS (BG)
Var. 60	Fmt: N3 Q4eTRIPS: Total trips #	Col: 174-176	Name: Q4eTRIPS (BH) 999=NO RESPONSE
Var. 61	Fmt: N3 Q4eDAYS: Total days	Col: 177-179	Name: Q4eDAYS (BI)

	#		999=NO RESPONSE
Var. 62	Fmt: N3	Col: 180-182	Name: Q4eFISH_CRAB (BJ)
	Q4eFISH/CRAB: Total days		
	#		999=NO RESPONSE
Var. 63	Fmt: N3	Col: 183-185	Name: Q4eSAIL (BK)
	Q4eSAIL: Total days		
	#		999=NO RESPONSE
Var. 64	Fmt: N3	Col: 186-188	Name: Q4eJETSKI (BL)
	Q4eJETSKI: Total days		
	#		999=NO RESPONSE
Var. 65	Fmt: N3	Col: 189-191	Name: Q4eWATERSKI (BM)
	Q4eWATERSKI: Total days		
	#		999=NO RESPONSE
Var. 66	Fmt: N3	Col: 192-194	Name: Q4eCRUISE (BN)
	Q4eCRUISE: Total days		
	#		999=NO RESPONSE
Var. 67	Fmt: N3	Col: 195-197	Name: Q4eHUNT (BO)
	Q4eHUNT: Total days		
	#		999=NO RESPONSE
Var. 68	Fmt: N1	Col: 198	Name: Q5APrimary (BP)
	Q5A. Used in Primary Engine; Carbureted two-stroke (gas and oil mix)		
	1=YES	2=NO	9=NO RESPONSE
Var. 69	Fmt: N1	Col: 199	Name: Q5BPrimary (BQ)
	Q5B. Used in Primary Engine; EFI or RFI two-stroke bought before 1/27/99		
	1=YES	2=NO	9=NO RESPONSE
Var. 70	Fmt: N1	Col: 200	Name: Q5CPrimary (BR)
	Q5C. Used in Primary Engine; Direct fuel injection (EPA 2006 standard)		
	1=YES	2=NO	9=NO RESPONSE
Var. 71	Fmt: N1	Col: 201	Name: Q5DPrimary (BS)
	Q5D. Used in Primary Engine; Four stroke		
	1=YES	2=NO	9=NO RESPONSE
Var. 72	Fmt: N1	Col: 202	Name: Q5EPrimary (BT)
	Q5E. Used in Primary Engine; Electric		

	1=YES	2=NO	9=NO RESPONSE
Var. 73	Fmt: N1	Col: 203	Name: Q5AAuxiliary (BU)
	Q5A. Used in Auxiliary; Carbureted two-stroke (gas and oil mix)		
	1=YES	2=NO	9=NO RESPONSE
Var. 74	Fmt: N1	Col: 204	Name: Q5BAuxiliary (BV)
	Q5B. Used in Auxiliary; EFI or RFI two-stroke bought before 1/27/99		
	1=YES	2=NO	9=NO RESPONSE
Var. 75	Fmt: N1	Col: 205	Name: Q5CAuxiliary (BW)
	Q5C. Used in Auxiliary; Direct fuel injection (EPA 2006 standard)		
	1=YES	2=NO	9=NO RESPONSE
Var. 76	Fmt: N1	Col: 206	Name: Q5DAuxiliary (BX)
	Q5D. Used in Auxiliary; Four stroke		
	1=YES	2=NO	9=NO RESPONSE
Var. 77	Fmt: N1	Col: 207	Name: Q5EAuxiliary (BY)
	Q5E. Used in Auxiliary; Electric		
	1=YES	2=NO	9=NO RESPONSE
Var. 78	Fmt: N1	Col: 208	Name: Q6A (BZ)
	A. Boat operators that are obviously intoxicated		
	1=NEVER	3=MOST TRIPS	9=NO RESPONSE
	2=SOME TRIPS	4=ALWAYS	
Var. 79	Fmt: N1	Col: 209	Name: Q6B (CA)
	B. Excessive boat/exhaust noise		
	1=NEVER	3=MOST TRIPS	9=NO RESPONSE
	2=SOME TRIPS	4=ALWAYS	
Var. 80	Fmt: N1	Col: 210	Name: Q6C (CB)
	C. Violations of speed limits		
	1=NEVER	3=MOST TRIPS	9=NO RESPONSE
	2=SOME TRIPS	4=ALWAYS	
Var. 81	Fmt: N1	Col: 211	Name: Q6D (CC)
	D. Violations of no-wake zones		
	1=NEVER	3=MOST TRIPS	9=NO RESPONSE
	2=SOME TRIPS	4=ALWAYS	
Var. 82	Fmt: N1	Col: 212	Name: Q6E (CD)
	E. Careless or reckless boaters		

1=NEVER
2=SOME TRIPS

3=MOST TRIPS
4=ALWAYS

9=NO RESPONSE

Var. 83 Fmt: N1 Col: 213 Name: Q6F (CE)

F. Excessive radio/stereo noise from another boat

1=NEVER
2=SOME TRIPS

3=MOST TRIPS
4=ALWAYS

9=NO RESPONSE

Var. 84 Fmt: N1 Col: 214 Name: Q6G (CF)

G. Excessive boat wakes (that disrupt other activities)

1=NEVER
2=SOME TRIPS

3=MOST TRIPS
4=ALWAYS

9=NO RESPONSE

Var. 85 Fmt: N1 Col: 215 Name: Q7A (CG)

A. Entrance or launch fee too high

1=YES
2=NO

3=DON'T KNOW
9=NO RESPONSE

Var. 86 Fmt: N1 Col: 216 Name: Q7B (CH)

B. Hazardous condition at ramp (drop-off, etc.)

1=YES
2=NO

3=DON'T KNOW
9=NO RESPONSE

Var. 87 Fmt: N1 Col: 217 Name: Q7C (CI)

C. Lack of maintenance at launch site

1=YES
2=NO

3=DON'T KNOW
9=NO RESPONSE

Var. 88 Fmt: N1 Col: 218 Name: Q7D (CJ)

D. Enough restrooms

1=YES
2=NO

3=DON'T KNOW
9=NO RESPONSE

Var. 89 Fmt: N1 Col: 219 Name: Q7E (CK)

E. Enough parking for boat trailers

1=YES
2=NO

3=DON'T KNOW
9=NO RESPONSE

Var. 90 Fmt: N1 Col: 220 Name: Q7F (CL)

F. Enough boarding floats

1=YES
2=NO

3=DON'T KNOW
9=NO RESPONSE

Var. 91	Fmt: N1	Col: 221	Name: Q7G (CM)
G. Lack of short-term tie-ups			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 92	Fmt: N1	Col: 222	Name: Q7H (CN)
H. Lack of adequate marine law enforcement/safety patrol			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 93	Fmt: N1	Col: 223	Name: Q8A (CO)
A. Conflicts/disagreements with other boaters			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 94	Fmt: N1	Col: 224	Name: Q8B (CP)
B. Conflicts/disagreements with non-boaters			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 95	Fmt: N1	Col: 225	Name: Q8C (CQ)
C. Near collision with boats or people			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 96	Fmt: N1	Col: 226	Name: Q8D (CR)
D. Near collision with a fixed hazard (rocks, pilings, etc.)			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 97	Fmt: N1	Col: 227	Name: Q8E (CS)
E. Near collision with a floating hazard (logs, debris, etc.)			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 98	Fmt: N1	Col: 228	Name: Q8F (CT)
F. Collision involving another boat			
	1=YES		3=DON'T KNOW
	2=NO		9=NO RESPONSE

Var. 99	Fmt: N1	Col: 229	Name: Q8G (CU)
G. Collision with a fixed hazard (rocks, pilings, etc.)			

1=1

Var. 129	Fmt: N1	Col: 259	Name: Q12AB (DY)
B. Additional registered boats			
	#		9=NO RESPONSE

Var. 130	Fmt: N1	Col: 260	Name: Q12AC (DZ)
C. Canoe			
	#		9=NO RESPONSE

Var. 131	Fmt: N1	Col: 261	Name: Q12AD (EA)
D. Inflatable raft			
	#		9=NO RESPONSE

Var. 132	Fmt: N1	Col: 262	Name: Q12AE (EB)
E. Inflatable catamaran			
	#		9=NO RESPONSE

Var. 133	Fmt: N1	Col: 263	Name: Q12AF (EC)
F. Standup paddle board			
	#		9=NO RESPONSE

Var. 134	Fmt: N1	Col: 264	Name: Q12AG (ED)
G. Kite board			
	#		9=NO RESPONSE

Var. 135	Fmt: N1	Col: 265	Name: Q12AH (EE)
H. Float plane			
	#		9=NO RESPONSE

Var. 136	Fmt: N1	Col: 266	Name: Q12AI (EF)
I. Kayak			
	#		9=NO RESPONSE

Var. 137	Fmt: N1	Col: 267	Name: Q12AJ (EG)
J. Drift boat			
	#		9=NO RESPONSE

Var. 138	Fmt: N1	Col: 268	Name: Q12AK (EH)
K. Row boat			
	#		9=NO RESPONSE

Var. 139	Fmt: N1	Col: 269	Name: Q12AL (EI)
L. Sail boat (less than 12 feet)			

	#		9=NO RESPONSE
Var. 140	Fmt: N1	Col: 270	Name: Q12AM (EJ)
	M. Sail board		
	#		9=NO RESPONSE
Var. 141	Fmt: N1	Col: 271	Name: Q12AN (EK)
	N. Other		
	#		9=NO RESPONSE
Var. 142	Fmt: N2	Col: 272-273	Name: Q12AO (EL)
	O. Total watercraft you own		
	#		99=NO RESPONSE

**APPENDIX B1. COPY OF COVER LETTERS USED IN THE 2009-10 OREGON MANUALLY
POWERED BOATING QUESTIONNAIRE**

{First letter}

Dear Oregon Boater:

November 5, 2010

The Marine Board is working to improve the quality of boating facilities statewide and the safety services provided through our partners, the cities, counties, ports and state and federal agencies that manage Oregon's waterways. One way we do this is to ask boaters like you about your experiences, opinions, and needs. Enclosed is a questionnaire that asks about your boating experiences over the last year.

We ask that you please complete the enclosed questionnaire and return it as soon as possible. Even if you were not able to use your boat at all during the past twelve months, we would like you to answer a few questions and then return the questionnaire to us in the postage-paid envelope provided.

Only a limited number of boaters are randomly selected to participate in this survey so your response is very important to us.

Your answers to the survey will remain confidential and will be released only as summaries in which no individual's name or boat can be identified. The questionnaire has an ID printed on it for mailing purposes only. The Oregon State University Survey Research Center is working with the Marine Board to enter the data and report the results of these surveys. This arrangement will ensure that all survey participants will remain anonymous.

Every response helps us better understand boaters' needs and allows us to improve our services to you. If you have questions about the purpose of this study, please call Randy Henry at the Marine Board office at 503-378-2611. If you have questions about submitting your questionnaire, please contact me at 541-737-3584 or at lesser@science.oregonstate.edu Thank you for your cooperation.

Sincerely,



V.M. Lesser, Director

Enclosures: Questionnaires, Postage-paid return envelope

P.S. If you have questions about your rights as a survey participant, please contact the Oregon State University Institutional Review Board (IRB) Human Protection Administrator at 541-737-8008 or by email at IRB@oregonstate.edu .

{Postcard}

Last week, you should have received a letter from us asking you to complete a questionnaire asking about your boating experiences in the last year.

If you have already completed the questionnaire, please accept our thanks. If you have not completed and returned the questionnaire, I just want you to know that your response is very important to us.

Sincerely,

A handwritten signature in cursive script that reads "V.M. Lesser".

V.M. Lesser
Director, OSU Survey Research Center

{*Second letter*}

Dear Oregon Boat Owner:

December 3, 2010

About three weeks ago we wrote to you asking your help on recreational boating use in Oregon. We are collecting this information for the Oregon State Marine Board. To the best of our knowledge, we have not yet received your completed questionnaire.

In the event your original questionnaire did not reach you or has been misplaced, a replacement copy is enclosed. If you've already responded, thank you for cooperating. If not, please take a few moments to answer the questions and return the questionnaire to us in the postage-paid envelope.

Even if you were not able to boat at all during the past twelve months, we would like you to answer a few questions and then return the questionnaire to us.

You may be assured of complete confidentiality. The questionnaire has an identification number for mailing purposes only so that we can check your household off the mailing list when we receive your survey. Your personal information (e.g., name, address, and boater ID) will never be placed in the data file and will not be used for any other purpose but this study.

I encourage you to use this opportunity to tell us about your boating experiences, your preferences, and your opinions. The Marine Board will use your response and those of other boaters to improve programs and services to you.

If you have questions about the purpose of this study, please call Randy Henry at the Marine Board office at 503-378-2611. If you have questions about submitting your questionnaire, please contact me at 541-737-1993 or at newton@science.oregonstate.edu Thank you for your cooperation.

Sincerely,



Lydia Newton, Project Manager

Enclosures: Questionnaire, Postage-paid return envelope

P.S. If you have questions about your rights as a survey participant, please contact the Oregon State University Institutional Review Board (IRB) Human Protection Administrator at 541-737-8008 or by email at IRB@oregonstate.edu .

APPENDIX B2. COPY OF OREGON MANUALLY POWERED BOATING QUESTIONNAIRE

5. At the water body you used most in Oregon (see Question 4); please indicate whether or not the following additional facilities are needed. (Check YES, NEEDED or NOT NEEDED for each facility)

YES, NEEDED	NOT NEEDED
----------------	---------------

a. Loading/unloading area	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. Boat slide	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
c. Potable water.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
d. Boat rinsing or washing area.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
e. Fish cleaning station.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
f. Campsites accessible only by boat	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
g. Waterway-specific informational signs	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
h. Local information over low power radio band.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
i. Cell phone coverage.....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
j. Other (Describe _____)		

6. Were you approached by a marine law safety patrol at your most used waterbody (see Question 4) anytime from October 1, 2009 to September 30, 2010?

- ₁ NO → (After checking NO, skip to Question 7)
- ₂ DON'T KNOW/CAN'T REMEMBER → (After checking your answer, skip to Question 7)
- ₃ YES (After checking YES, continue with question 6A)

6A. If yes, please indicate whether your boat was approached and/or questioned for each of the following reasons by the marine law safety patrol.

YES	NO
-----	----

a. Boat equipment or hull identification inspection	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. Law enforcement action warning, citation, or arrest	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
c. Received assistance (direction, tow, rescue, etc).....	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂

6B. Where did the encounter(s) happen?

YES	NO
-----	----

a. On land (before or after launching)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. On water (while boating)	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂

7. Were you approached in Oregon by an Aquatic Invasive Species boat inspector anytime from October 1, 2009 to Sept 30, 2010?

- ₁ NO → (After checking NO, skip to Question 8 on the next page)
- ₂ DON'T KNOW/CAN'T REMEMBER → (After checking your answer, skip to Question 8 on the next page)
- ₃ YES (After checking YES, continue with question 7A)

7A) If yes, please indicate whether or not the following happened with the Aquatic Species boat inspector.

YES	NO
-----	----

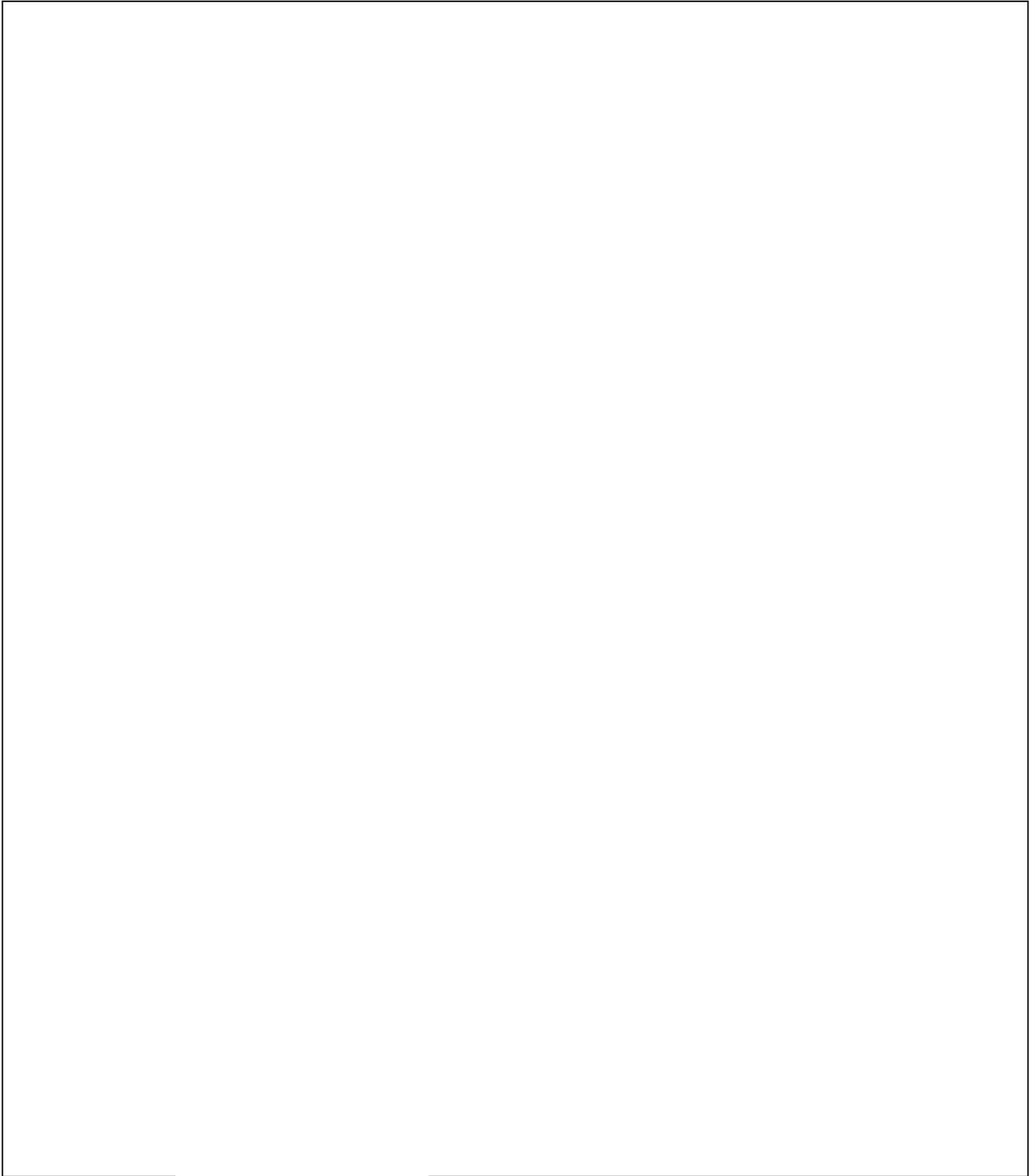
a. The inspector provided useful educational information.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
b. All parts of the boat (inc. trailer, if applicable) were inspected	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
c. The inspection resulted in your boat being cleaned.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
d. The inspection occurred at a boat ramp or adjacent parking area.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
e. The inspection occurred at a roadside check station.	<input type="checkbox"/> ₁	<input type="checkbox"/> ₂
f. The inspection occurred elsewhere: (Describe _____)		

8. Please write in the total number of each craft you currently own.

ab. Registered motorboat(s)	_____
c. Canoe	_____
d. Inflatable raft	_____
e. Inflatable catamaran.....	_____
f. Standup paddle board.....	_____
g. Kite board	_____
h. Float plane	_____
i. Kayak	_____
j. Drift boat.....	_____
k. Row boat	_____
l. Sail boat (less than 12 feet).....	_____
m. Sail board	_____
n. Other	_____ (<i>Describe</i> _____)
o. TOTAL WATERCRAFT YOU OWN	_____

-PLEASE CONTINUE ON THE NEXT PAGE-

9. What else do you want to say about boating in Oregon, the Oregon State Marine Board, or about this survey in general?



THANK YOU FOR COMPLETING THE SURVEY
Please return your survey in the postage paid envelope to:
Oregon State University Survey Research Center
44 Kidder Hall
Corvallis, OR 97331-4606

**APPENDIX B3. KEY TO DATAFILE THE 2009-10
OREGON MANUALLY POWERED BOATING QUESTIONNAIRE**

Codebook Name: OSMB2009-10_MANUAL_SURVEY

Date: February 22, 2011

Number of Variables in Codebook: 117

Data Record Length: 253

Var. 1	Fmt: N1	Col: 1	Name: WAVE (A)
	MAILING WAVE		
	0=FIRST WEB/MAIL MAILING		2=SECOND SURVEY MAILING
	1=FIRST SURVEY MAILING		9=NOT APPLICABLE

Var. 2	Fmt: N5	Col: 2-6	Name: ID (B)
	ID		
	10001-11000		

Var. 3	Fmt: N1	Col: 7	Name: DISP (C)
	Return disposition		
	1=Complete Paper	4=Deceased ;166	7=Sold boat ;166
	2=Refusal ;166	5=Other ;166	
	3=Undeliverable ;166	6=Complete Web	

Var. 4	Fmt: N2	Col: 8-9	Name: Q1PRIMARY (D)
	Q1. What is your age?		
	#	99=NO RESPONSE	

Var. 5	Fmt: N1	Col: 10	Name: Q2 (E)
	Q2: Did you operate a manually powered (non-motorized) boat in Oregon between October 1, 2009 and September 30, 2010?		
	1=NO ;104	2=YES	9=NO RESPONSE ;104

Var. 6	Fmt: N2	Col: 11-12	Name: Q3OCT2009 (F)
	Days of use in October 2009		
	00-31	99=NO RESPONSE	

Var. 7	Fmt: N2	Col: 13-14	Name: Q3NOV2009 (G)
	Days of use in November 2009		
	00-30	99=NO RESPONSE	

Var. 8	Fmt: N2	Col: 15-16	Name: Q3DEC2009 (H)
	Days of use in December 2009		
	00-31	99=NO RESPONSE	

Var. 9	Fmt: N2	Col: 17-18	Name: Q3JAN2010 (I)
	Days of use in January 2010		

	00-31		99=NO RESPONSE
Var. 10	Fmt: N2 Days of use in February 2010 00-28	Col: 19-20	Name: Q3FEB2010 (J) 99=NO RESPONSE
Var. 11	Fmt: N2 Days of use in March 2010 00-31	Col: 21-22	Name: Q3MAR2010 (K) 99=NO RESPONSE
Var. 12	Fmt: N2 Days of use in April 2010 00-30	Col: 23-24	Name: Q3APR2010 (L) 99=NO RESPONSE
Var. 13	Fmt: N2 Days of use in May 2010 00-31	Col: 25-26	Name: Q3MAY2010 (M) 99=NO RESPONSE
Var. 14	Fmt: N2 Days of use in June 2010 00-30	Col: 27-28	Name: Q3JUN2010 (N) 99=NO RESPONSE
Var. 15	Fmt: N2 Days of use in July 2010 00-31	Col: 29-30	Name: Q3JUL2010 (O) 99=NO RESPONSE
Var. 16	Fmt: N2 Days of use in August 2010 00-31	Col: 31-32	Name: Q3AUG2010 (P) 99=NO RESPONSE
Var. 17	Fmt: N2 Days of use in September 2010 00-30	Col: 33-34	Name: Q3SEP2010 (Q) 99=NO RESPONSE
Var. 18	Fmt: N3 Q4aCODEMOST: Code for waterbody #	Col: 35-37	Name: Q4aCODEMOST (R) 999=NO RESPONSE
Var. 19	Fmt: N3 Q4aTRIPS: Total trips #	Col: 38-40	Name: Q4aTRIPS (S) 999=NO RESPONSE
Var. 20	Fmt: N3 Q4aDAYS: Total days	Col: 41-43	Name: Q4aDAYS (T)

	#		999=NO RESPONSE
Var. 21	Fmt: N3 Q4aRAFTING: Total days #	Col: 44-46	Name: Q4aRAFTING (U) 999=NO RESPONSE
Var. 22	Fmt: N3 Q4aCANOEING: Total days #	Col: 47-49	Name: Q4aCANOEING (V) 999=NO RESPONSE
Var. 23	Fmt: N3 Q4aKAYAKING: Total days #	Col: 50-52	Name: Q4aKAYAKING (W) 999=NO RESPONSE
Var. 24	Fmt: N3 Q4aFISH: Total days #	Col: 53-55	Name: Q4aFISH (X) 999=NO RESPONSE
Var. 25	Fmt: N3 Q4aVIEWING/TOURING: Total days #	Col: 56-58	Name: Q4aVIEW_TOUR (Y) 999=NO RESPONSE
Var. 26	Fmt: N3 Q4aHUNT: Total days #	Col: 59-61	Name: Q4aHUNT (Z) 999=NO RESPONSE
Var. 27	Fmt: N3 Q4aCONDITIONING: Total days #	Col: 62-64	Name: Q4aCONDITIONING (AA) 999=NO RESPONSE
Var. 28	Fmt: N3 Q4aRACING: Total days #	Col: 65-67	Name: Q4aRACING (AB) 999=NO RESPONSE
Var. 29	Fmt: N3 Q4aRELAXING: Total days #	Col: 68-70	Name: Q4aRELAXING (AC) 999=NO RESPONSE
Var. 30	Fmt: N1 Is there a second waterbody? 1=NO ;81 2=YES	Col: 71	Name: Proceed2ND (AD)
Var. 31	Fmt: N3 Q4bCODE2ND: Code for waterbody	Col: 72-74	Name: Q4BCODE2ND (AE)

	#		999=NO RESPONSE
Var. 32	Fmt: N3 Q4bTRIPS: Total trips #	Col: 75-77	Name: Q4bTRIPS (AF) 999=NO RESPONSE
Var. 33	Fmt: N3 Q4bDAYS: Total days #	Col: 78-80	Name: Q4bDAYS (AG) 999=NO RESPONSE
Var. 34	Fmt: N3 Q4bRAFTING: Total days #	Col: 81-83	Name: Q4bRAFTING (AH) 999=NO RESPONSE
Var. 35	Fmt: N3 Q4bCANOEING: Total days #	Col: 84-86	Name: Q4bCANOEING (AI) 999=NO RESPONSE
Var. 36	Fmt: N3 Q4bKAYAKING: Total days #	Col: 87-89	Name: Q4bKAYAKING (AJ) 999=NO RESPONSE
Var. 37	Fmt: N3 Q4bFISH: Total days #	Col: 90-92	Name: Q4bFISH (AK) 999=NO RESPONSE
Var. 38	Fmt: N3 Q4bVIEWING/TOURING: Total days #	Col: 93-95	Name: Q4bVIEW_TOUR (AL) 999=NO RESPONSE
Var. 39	Fmt: N3 Q4bHUNT: Total days #	Col: 96-98	Name: Q4bHUNT (AM) 999=NO RESPONSE
Var. 40	Fmt: N3 Q4bCONDITIONING: Total days #	Col: 99-101	Name: Q4bCONDITIONING (AN) 999=NO RESPONSE
Var. 41	Fmt: N3 Q4bRACING: Total days #	Col: 102-104	Name: Q4bRACING (AO) 999=NO RESPONSE
Var. 42	Fmt: N3 Q4bRELAXING: Total days	Col: 105-107	Name: Q4bRELAXING (AP)

999=NO RESPONSE

Var. 43 Fmt: N1 Col: 108 Name: Proceed3RD (AQ)
Is there a third waterbody?
1=NO ;81 2=YES

Var. 44 Fmt: N3 Col: 109-111 Name: Q4CCODE3RD (AR)
Q4cCODE3RD: Code waterbody
999=NO RESPONSE

Var. 45 Fmt: N3 Col: 112-114 Name: Q4cTRIPS (AS)
Q4cTRIPS: Total trips
999=NO RESPONSE

Var. 46 Fmt: N3 Col: 115-117 Name: Q4cDAYS (AT)
Q4cDAYS: Total days
999=NO RESPONSE

Var. 47 Fmt: N3 Col: 118-120 Name: Q4cRAFTING (AU)
Q4cRAFTING: Total days
999=NO RESPONSE

Var. 48 Fmt: N3 Col: 121-123 Name: Q4cCANOEING (AV)
Q4cCANOEING: Total days
999=NO RESPONSE

Var. 49 Fmt: N3 Col: 124-126 Name: Q4cKAYAKING (AW)
Q4cKAYAKING: Total days
999=NO RESPONSE

Var. 50 Fmt: N3 Col: 127-129 Name: Q4cFISH (AX)
Q4cFISH: Total days
999=NO RESPONSE

Var. 51 Fmt: N3 Col: 130-132 Name: Q4cVIEW_TOUR (AY)
Q4cVIEWING/TOURING: Total days
999=NO RESPONSE

Var. 52 Fmt: N3 Col: 133-135 Name: Q4cHUNT (AZ)
Q4cHUNT: Total days
999=NO RESPONSE

Var. 53 Fmt: N3 Col: 136-138 Name: Q4cCONDITIONING (BA)
Q4cCONDITIONING: Total days

999=NO RESPONSE

Var. 54 Fmt: N3 Col: 139-141 Name: Q4cRACING (BB)
Q4cRACING: Total days
999=NO RESPONSE

Var. 55 Fmt: N3 Col: 142-144 Name: Q4cRELAXING (BC)
Q4cRELAXING: Total days
999=NO RESPONSE

Var. 56 Fmt: N1 Col: 145 Name: Proceed4TH (BD)
Is there a 4th waterbody?
1=NO ;81 2=YES

Var. 57 Fmt: N3 Col: 146-148 Name: Q4dCODE4TH (BE)
Q4dCODE4TH: Code for waterbody
999=NO RESPONSE

Var. 58 Fmt: N3 Col: 149-151 Name: Q4dTRIPS (BF)
Q4dTRIPS: Total trips
999=NO RESPONSE

Var. 59 Fmt: N3 Col: 152-154 Name: Q4dDAYS (BG)
Q4dDAYS: Total days
999=NO RESPONSE

Var. 60 Fmt: N3 Col: 155-157 Name: Q4dRAFTING (BH)
Q4dRAFTING: Total days
999=NO RESPONSE

Var. 61 Fmt: N3 Col: 158-160 Name: Q4dCANOEING (BI)
Q4dCANOEING: Total days
999=NO RESPONSE

Var. 62 Fmt: N3 Col: 161-163 Name: Q4dKAYAKING (BJ)
Q4dKAYAINING: Total days
999=NO RESPONSE

Var. 63 Fmt: N3 Col: 164-166 Name: Q4dFISH (BK)
Q4dFISH: Total days
999=NO RESPONSE

Var. 64 Fmt: N3 Col: 167-169 Name: Q4dVIEW_TOUR (BL)
Q4dVIEWING/TOURING: Total days

	#		999=NO RESPONSE
Var. 65	Fmt: N3 Q4dHUNT: Total days #	Col: 170-172	Name: Q4dHUNT (BM) 999=NO RESPONSE
Var. 66	Fmt: N3 Q4dCONDITIONING #	Col: 173-175	Name: Q4dCONDITIONING (BN) 999=NO RESPONSE
Var. 67	Fmt: N3 Q4dRACING #	Col: 176-178	Name: Q4dRACING (BO) 999=NO RESPONSE
Var. 68	Fmt: N3 Q4dRELAXING #	Col: 179-181	Name: Q4dRELAXING (BP) 999=NO RESPONSE
Var. 69	Fmt: N1 Are there others? 1=NO ;81	Col: 182 2=YES	Name: ProceedOTHERS (BQ)
Var. 70	Fmt: N3 Q4eTRIPS: Total trips #	Col: 183-185	Name: Q4eTRIPS (BR) 999=NO RESPONSE
Var. 71	Fmt: N3 Q4eDAYS: Total days #	Col: 186-188	Name: Q4eDAYS (BS) 999=NO RESPONSE
Var. 72	Fmt: N3 Q4eRAFTING: Total days #	Col: 189-191	Name: Q4eRAFTING (BT) 999=NO RESPONSE
Var. 73	Fmt: N3 Q4eCANOEING: Total days #	Col: 192-194	Name: Q4eCANOEING (BU) 999=NO RESPONSE
Var. 74	Fmt: N3 Q4eKAYAKING: Total days #	Col: 195-197	Name: Q4eKAYAKING (BV) 999=NO RESPONSE
Var. 75	Fmt: N3 Q4eFISH: Total days	Col: 198-200	Name: Q4eFISH (BW)

999=NO RESPONSE

Var. 76 Fmt: N3 Col: 201-203 Name: Q4eVIEW_TOUR (BX)
Q4eVIEWING/TOURING: Total days
999=NO RESPONSE

Var. 77 Fmt: N3 Col: 204-206 Name: Q4eHUNT (BY)
Q4eHUNT: Total days
999=NO RESPONSE

Var. 78 Fmt: N3 Col: 207-209 Name: Q4eCONDITIONING (BZ)
Q4eCONDITIONING: Total days
#

Var. 79 Fmt: N3 Col: 210-212 Name: Q4eRACING (CA)
Q4eRACING: Total days
999=NO RESPONSE

Var. 80 Fmt: N3 Col: 213-215 Name: Q4eRELAXING (CB)
Q4eRELAXING: Total days
999=NO RESPONSE

Var. 81 Fmt: N1 Col: 216 Name: Q5A (CC)
A. Loading/unloading area
1=YES, NEEDED 2=NOT NEEDED 9=NO RESPONSE

Var. 82 Fmt: N1 Col: 217 Name: Q5B (CD)
B. Boat slide
1=YES, NEEDED 2=NOT NEEDED 9=NO RESPONSE

Var. 83 Fmt: N1 Col: 218 Name: Q5C (CE)
C. Potable water
1=YES, NEEDED 2=NOT NEEDED 9=NO RESPONSE

Var. 84 Fmt: N1 Col: 219 Name: Q5D (CF)
D. Boat rinsing or washing area
1=YES, NEEDED 2=NOT NEEDED 9=NO RESPONSE

Var. 85 Fmt: N1 Col: 220 Name: Q5E (CG)
E. Fish cleaning station
1=YES, NEEDED 2=NOT NEEDED 9=NO RESPONSE

Var. 86 Fmt: N1 Col: 221 Name: Q5F (CH)
F. Campsites accessible only by boat

1=YES, NEEDED

2=NOT NEEDED

9=NO RESPONSE

Var. 87	Fmt: N1	Col: 222	Name: Q5G (CI)
G. Waterway-specific informational signs			
	1=YES, NEEDED	2=NOT NEEDED	9=NO RESPONSE

Var. 88	Fmt: N1	Col: 223	Name: Q5H (CJ)
H. Local information over low power radio band			
	1=YES, NEEDED	2=NOT NEEDED	9=NO RESPONSE

Var. 89	Fmt: N1	Col: 224	Name: Q5I (CK)
I. Cell phone coverage			
	1=YES, NEEDED	2=NOT NEEDED	9=NO RESPONSE

Var. 90	Fmt: N1	Col: 225	Name: Q5J (CL)
J. Other (Describe)			
	1=YES, NEEDED	2=NOT NEEDED	9=NO RESPONSE

Var. 91	Fmt: N1	Col: 226	Name: Q6 (CM)
Q6. Were you approached by a marine law safety patrol at your most used waterbody (see Question 4) anytime from October 1, 2009 to September 30, 2010?			
	1=NO ;97		
	2=DON'T KNOW/CAN'T REMEMBER ;97		
	3=YES		
	9=NO RESPONSE ;97		

Var. 92	Fmt: N1	Col: 227	Name: Q6AA (CN)
A. Boat equipment or hull identification inspection			
	1=YES	2=NO	9=NO RESPONSE

Var. 93	Fmt: N1	Col: 228	Name: Q6AB (CO)
B. Law enforcement action warning, citation, or arrest			
	1=YES	2=NO	9=NO RESPONSE

Var. 94	Fmt: N1	Col: 229	Name: Q6AC (CP)
C. Received assistance (direction, tow, rescue, etc.)			
	1=YES	2=NO	9=NO RESPONSE

Var. 95	Fmt: N1	Col: 230	Name: Q6BA (CQ)
A. On land (before or after launching)			
	1=YES	2=NO	9=NO RESPONSE

Var. 96	Fmt: N1	Col: 231	Name: Q6BB (CR)
B. On water (while boating)			

1=YES

2=NO

9=NO RESPONSE

Var. 97 Fmt: N1 Col: 232 Name: Q7 (CS)
Q7. Were you approached in Oregon by an Aquatic Invasive Species boat inspector anytime from October 1, 2009 to September 30, 2010?
1=NO ;104
2=DON'T KNOW/CAN'T REMEMBER ;104
3=YES
9=NO RESPONSE ;104

Var. 98 Fmt: N1 Col: 233 Name: Q7AA (CT)
A. The inspector provided useful educational information
1=YES 2=NO 9=NO RESPONSE

Var. 99 Fmt: N1 Col: 234 Name: Q7AB (CU)
B. All parts of the boat (inc. trailer, if applicable) were inspected
1=YES 2=NO 9=NO RESPONSE

Var. 100 Fmt: N1 Col: 235 Name: Q7AC (CV)
C. The inspection resulted in your boat being cleaned
1=YES 2=NO 9=NO RESPONSE

Var. 101 Fmt: N1 Col: 236 Name: Q7AD (CW)
D. The inspection occurred at a boat ramp or adjacent parking area
1=YES 2=NO 9=NO RESPONSE

Var. 102 Fmt: N1 Col: 237 Name: Q7AE (CX)
E. The inspection occurred at a roadside check station
1=YES 2=NO 9=NO RESPONSE

Var. 103 Fmt: N1 Col: 238 Name: Q7AF (CY)
F. The inspection occurred elsewhere (Describe)
1=YES 2=NO 9=NO RESPONSE

Var. 104 Fmt: N1 Col: 239 Name: Q8AB (CZ)
AB. Registered motorboat(s)
#

Var. 105 Fmt: N1 Col: 240 Name: Q8C (DA)
C. Canoe
9=NO RESPONSE

Var. 106 Fmt: N1 Col: 241 Name: Q8D (DB)
D. Inflatable raft

	#		9=NO RESPONSE
Var. 107	Fmt: N1 E. Inflatable catamaran #	Col: 242	Name: Q8E (DC) 9=NO RESPONSE
Var. 108	Fmt: N1 F. Standup paddle board #	Col: 243	Name: Q8F (DD) 9=NO RESPONSE
Var. 109	Fmt: N1 G. Kite board #	Col: 244	Name: Q8G (DE) 9=NO RESPONSE
Var. 110	Fmt: N1 H. Float plane #	Col: 245	Name: Q8H (DF) 9=NO RESPONSE
Var. 111	Fmt: N1 I. Kayak #	Col: 246	Name: Q8I (DG) 9=NO RESPONSE
Var. 112	Fmt: N1 J. Drift boat #	Col: 247	Name: Q8J (DH) 9=NO RESPONSE
Var. 113	Fmt: N1 K. Row boat #	Col: 248	Name: Q8K (DI) 9=NO RESPONSE
Var. 114	Fmt: N1 L. Sail boat (less than 12 feet) #	Col: 249	Name: Q8L (DJ) 9=NO RESPONSE
Var. 115	Fmt: N1 M. Sail board #	Col: 250	Name: Q8M (DK) 9=NO RESPONSE
Var. 116	Fmt: N1 N. Other #	Col: 251	Name: Q8N (DL) 9=NO RESPONSE
Var. 117	Fmt: N2 O. Total watercraft you own #	Col: 252-253	Name: Q8O (DM) 99=NO RESPONSE

APPENDIX D. FREQUENCY RESULTS FOR THE SURVEY OF MANUAL BOAT OWNERS.

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The *FREQ* Procedure

Table of WAVE by DISP					
WAVE	DISP				
Frequency Percent Row Pct Col Pct	Complete Paper	Refusal	Undeliverable	Sold boat	Total
FIRST SURVEY MAILING	127 39.32 100.00 45.52	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	127 39.32
SECOND SURVEY MAILING	152 47.06 100.00 54.48	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	152 47.06
NOT APPLICABLE	0 0.00 0.00 0.00	2 0.62 4.55 100.00	39 12.07 88.64 100.00	3 0.93 6.82 100.00	44 13.62
Total	279 86.38	2 0.62	39 12.07	3 0.93	323 100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The FREQ Procedure

Q1. What is your age?				
Q1PRIMARY	Frequency	Percent	Cumulative Frequency	Cumulative Percent
19	1	0.36	1	0.36
24	1	0.36	2	0.72
27	3	1.08	5	1.79
28	3	1.08	8	2.87
30	6	2.15	14	5.02
31	4	1.43	18	6.45
32	3	1.08	21	7.53
33	2	0.72	23	8.24
34	2	0.72	25	8.96
35	6	2.15	31	11.11
36	2	0.72	33	11.83
37	5	1.79	38	13.62
38	1	0.36	39	13.98
39	2	0.72	41	14.70
40	3	1.08	44	15.77
41	6	2.15	50	17.92
42	5	1.79	55	19.71
43	2	0.72	57	20.43
44	4	1.43	61	21.86
45	2	0.72	63	22.58
46	2	0.72	65	23.30
47	7	2.51	72	25.81
48	6	2.15	78	27.96
49	5	1.79	83	29.75
50	8	2.87	91	32.62
51	2	0.72	93	33.33
52	9	3.23	102	36.56
53	16	5.73	118	42.29
54	7	2.51	125	44.80
55	9	3.23	134	48.03
56	10	3.58	144	51.61
57	10	3.58	154	55.20
58	12	4.30	166	59.50

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The FREQ Procedure

Q1. What is your age?				
Q1PRIMARY	Frequency	Percent	Cumulative Frequency	Cumulative Percent
59	17	6.09	183	65.59
60	11	3.94	194	69.53
61	7	2.51	201	72.04
62	6	2.15	207	74.19
63	9	3.23	216	77.42
64	7	2.51	223	79.93
65	4	1.43	227	81.36
66	8	2.87	235	84.23
67	8	2.87	243	87.10
68	4	1.43	247	88.53
69	4	1.43	251	89.96
70	8	2.87	259	92.83
71	3	1.08	262	93.91
72	1	0.36	263	94.27
73	2	0.72	265	94.98
74	1	0.36	266	95.34
75	1	0.36	267	95.70
76	1	0.36	268	96.06
77	1	0.36	269	96.42
79	2	0.72	271	97.13
80	1	0.36	272	97.49
81	1	0.36	273	97.85
84	1	0.36	274	98.21
NO RESPONSE	5	1.79	279	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The MEANS Procedure

Analysis Variable : Q1PRIMARY Q1. What is your age?				
N	Mean	Std Error	Lower 95% CL for Mean	Upper 95% CL for Mean
274	53.9014599	0.7447968	52.4351846	55.3677351

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The *FREQ* Procedure

Q2. Did you operate a manually powered (non-motorized) boat in Oregon between October 1, 2009 and September 30, 2010?				
Q2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
NO	70	25.09	70	25.09
YES	209	74.91	279	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

OCTOBER 2009: Days used				
Q3OCT2009	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	149	71.29	149	71.29
1	15	7.18	164	78.47
2	14	6.70	178	85.17
3	7	3.35	185	88.52
4	7	3.35	192	91.87
5	5	2.39	197	94.26
6	1	0.48	198	94.74
8	2	0.96	200	95.69
9	1	0.48	201	96.17
15	2	0.96	203	97.13
20	1	0.48	204	97.61
24	1	0.48	205	98.09
NO RESPONSE	4	1.91	209	100.00

Frequency Missing = 70

NOVEMBER 2009: Days used				
Q3NOV2009	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	185	88.52	185	88.52
1	3	1.44	188	89.95
2	8	3.83	196	93.78
3	1	0.48	197	94.26
4	3	1.44	200	95.69
8	2	0.96	202	96.65
10	2	0.96	204	97.61
20	3	1.44	207	99.04
NO RESPONSE	2	0.96	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

DECEMBER 2009: Days used				
Q3DEC2009	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	184	88.04	184	88.04
1	4	1.91	188	89.95
2	5	2.39	193	92.34
3	7	3.35	200	95.69
4	2	0.96	202	96.65
7	2	0.96	204	97.61
20	3	1.44	207	99.04
NO RESPONSE	2	0.96	209	100.00

Frequency Missing = 70

JANUARY 2010: Days used				
Q3JAN2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	180	86.12	180	86.12
1	7	3.35	187	89.47
2	5	2.39	192	91.87
3	4	1.91	196	93.78
4	3	1.44	199	95.22
5	2	0.96	201	96.17
6	1	0.48	202	96.65
7	1	0.48	203	97.13
10	1	0.48	204	97.61
16	1	0.48	205	98.09
20	2	0.96	207	99.04
NO RESPONSE	2	0.96	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

FEBRUARY 2010: Days used				
Q3FEB2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	180	86.12	180	86.12
1	4	1.91	184	88.04
2	7	3.35	191	91.39
3	4	1.91	195	93.30
4	6	2.87	201	96.17
5	2	0.96	203	97.13
9	1	0.48	204	97.61
10	1	0.48	205	98.09
20	2	0.96	207	99.04
NO RESPONSE	2	0.96	209	100.00

Frequency Missing = 70

MARCH 2010: Days used				
Q3MAR2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	172	82.30	172	82.30
1	3	1.44	175	83.73
2	14	6.70	189	90.43
3	2	0.96	191	91.39
4	7	3.35	198	94.74
5	1	0.48	199	95.22
8	1	0.48	200	95.69
10	3	1.44	203	97.13
15	2	0.96	205	98.09
20	1	0.48	206	98.56
NO RESPONSE	3	1.44	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

APRIL 2010: Days used				
Q3APR2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	152	72.73	152	72.73
1	16	7.66	168	80.38
2	10	4.78	178	85.17
3	6	2.87	184	88.04
4	6	2.87	190	90.91
5	5	2.39	195	93.30
6	4	1.91	199	95.22
10	2	0.96	201	96.17
12	1	0.48	202	96.65
15	2	0.96	204	97.61
20	2	0.96	206	98.56
NO RESPONSE	3	1.44	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

MAY 2010: Days used				
Q3MAY2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	125	59.81	125	59.81
1	10	4.78	135	64.59
2	25	11.96	160	76.56
3	5	2.39	165	78.95
4	11	5.26	176	84.21
5	3	1.44	179	85.65
6	3	1.44	182	87.08
7	1	0.48	183	87.56
8	5	2.39	188	89.95
9	2	0.96	190	90.91
10	5	2.39	195	93.30
12	1	0.48	196	93.78
15	3	1.44	199	95.22
16	1	0.48	200	95.69
20	3	1.44	203	97.13
22	1	0.48	204	97.61
NO RESPONSE	5	2.39	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

JUNE 2010: Days used				
Q3JUN2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	87	41.63	87	41.63
1	19	9.09	106	50.72
2	30	14.35	136	65.07
3	11	5.26	147	70.33
4	18	8.61	165	78.95
5	5	2.39	170	81.34
6	9	4.31	179	85.65
7	1	0.48	180	86.12
8	4	1.91	184	88.04
10	7	3.35	191	91.39
12	3	1.44	194	92.82
15	1	0.48	195	93.30
16	1	0.48	196	93.78
20	3	1.44	199	95.22
24	1	0.48	200	95.69
25	1	0.48	201	96.17
27	1	0.48	202	96.65
NO RESPONSE	7	3.35	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

JULY 2010: Days used				
Q3JUL2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	38	18.18	38	18.18
1	35	16.75	73	34.93
2	38	18.18	111	53.11
3	19	9.09	130	62.20
4	18	8.61	148	70.81
5	10	4.78	158	75.60
6	10	4.78	168	80.38
7	1	0.48	169	80.86
8	8	3.83	177	84.69
9	1	0.48	178	85.17
10	14	6.70	192	91.87
11	1	0.48	193	92.34
12	1	0.48	194	92.82
15	3	1.44	197	94.26
20	3	1.44	200	95.69
22	1	0.48	201	96.17
24	1	0.48	202	96.65
27	1	0.48	203	97.13
NO RESPONSE	6	2.87	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

The *FREQ* Procedure

AUGUST 2010: Days used				
Q3AUG2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	50	23.92	50	23.92
1	21	10.05	71	33.97
2	39	18.66	110	52.63
3	22	10.53	132	63.16
4	16	7.66	148	70.81
5	7	3.35	155	74.16
6	10	4.78	165	78.95
7	4	1.91	169	80.86
8	11	5.26	180	86.12
9	2	0.96	182	87.08
10	10	4.78	192	91.87
12	2	0.96	194	92.82
13	1	0.48	195	93.30
15	4	1.91	199	95.22
20	2	0.96	201	96.17
24	1	0.48	202	96.65
25	2	0.96	204	97.61
NO RESPONSE	5	2.39	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write the number of days you operated manually powered boats in Oregon in each of the months listed.

*The **FREQ** Procedure*

SEPTEMBER 2010: Days used				
Q3SEP2010	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	100	47.85	100	47.85
1	30	14.35	130	62.20
2	20	9.57	150	71.77
3	12	5.74	162	77.51
4	13	6.22	175	83.73
5	4	1.91	179	85.65
6	4	1.91	183	87.56
7	1	0.48	184	88.04
8	5	2.39	189	90.43
9	1	0.48	190	90.91
10	6	2.87	196	93.78
11	1	0.48	197	94.26
15	3	1.44	200	95.69
17	1	0.48	201	96.17
18	1	0.48	202	96.65
20	2	0.96	204	97.61
27	1	0.48	205	98.09
NO RESPONSE	4	1.91	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The FREQ Procedure

Days of all months				
Q3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	7	3.35	7	3.35
1	14	6.70	21	10.05
2	24	11.48	45	21.53
3	9	4.31	54	25.84
4	14	6.70	68	32.54
5	11	5.26	79	37.80
6	9	4.31	88	42.11
7	6	2.87	94	44.98
8	9	4.31	103	49.28
9	4	1.91	107	51.20
10	6	2.87	113	54.07
11	5	2.39	118	56.46
12	4	1.91	122	58.37
13	5	2.39	127	60.77
14	8	3.83	135	64.59
15	5	2.39	140	66.99
16	7	3.35	147	70.33
17	1	0.48	148	70.81
18	3	1.44	151	72.25
20	5	2.39	156	74.64
21	3	1.44	159	76.08
22	3	1.44	162	77.51
23	1	0.48	163	77.99
24	4	1.91	167	79.90
26	2	0.96	169	80.86
27	1	0.48	170	81.34
28	3	1.44	173	82.78
29	3	1.44	176	84.21
30	2	0.96	178	85.17
32	4	1.91	182	87.08
34	1	0.48	183	87.56
36	1	0.48	184	88.04
37	2	0.96	186	89.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The FREQ Procedure

Days of all months				
Q3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
39	1	0.48	187	89.47
44	1	0.48	188	89.95
47	1	0.48	189	90.43
48	1	0.48	190	90.91
50	3	1.44	193	92.34
52	1	0.48	194	92.82
55	1	0.48	195	93.30
56	1	0.48	196	93.78
60	1	0.48	197	94.26
72	1	0.48	198	94.74
78	1	0.48	199	95.22
90	1	0.48	200	95.69
99	1	0.48	201	96.17
106	1	0.48	202	96.65
107	1	0.48	203	97.13
126	1	0.48	204	97.61
168	1	0.48	205	98.09
177	1	0.48	206	98.56
180	1	0.48	207	99.04
196	1	0.48	208	99.52
240	1	0.48	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The MEANS Procedure

Analysis Variable : Q3 Days of all months				
Sum	Mean	Std Error	Lower 95% CL for Mean	Upper 95% CL for Mean
4122.00	19.7224880	2.3426165	15.1041727	24.3408034

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

At the water body you used most in Oregon, please indicate whether or not the following additional facilities are needed.

The *FREQ* Procedure

a. Loading/unloading area				
Q5A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES, NEEDED	68	32.54	68	32.54
NO, NOT NEEDED	131	62.68	199	95.22
NO RESPONSE	10	4.78	209	100.00

Frequency Missing = 70

b. Boat slide				
Q5B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES, NEEDED	17	8.13	17	8.13
NO, NOT NEEDED	173	82.78	190	90.91
NO RESPONSE	19	9.09	209	100.00

Frequency Missing = 70

c. Potable water				
Q5C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES, NEEDED	39	18.66	39	18.66
NO, NOT NEEDED	154	73.68	193	92.34
NO RESPONSE	16	7.66	209	100.00

Frequency Missing = 70

d. Boat rinsing or washing area				
Q5D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES, NEEDED	61	29.19	61	29.19
NO, NOT NEEDED	130	62.20	191	91.39
NO RESPONSE	18	8.61	209	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

At the water body you used most in Oregon, please indicate whether or not the following additional facilities are needed.

*The **FREQ** Procedure*

h. Local information over low power radio band				
Q5H	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES, NEEDED	13	6.22	13	6.22
NO, NOT NEEDED	170	81.34	183	87.56
NO RESPONSE	26	12.44	209	100.00

Frequency Missing = 70

i. Cell phone coverage				
Q5I	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES, NEEDED	53	25.36	53	25.36
NO, NOT NEEDED	128	61.24	181	86.60
NO RESPONSE	28	13.40	209	100.00

Frequency Missing = 70

j. Other (Describe)				
Q5J	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES, NEEDED	8	3.83	8	3.83
NO RESPONSE	201	96.17	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The FREQ Procedure

Q6. Were you approached by a marine law safety patrol at your most used waterbody (see Question 4) anytime from October 1, 2009 to September 30, 2010?				
Q6	Frequency	Percent	Cumulative Frequency	Cumulative Percent
NO	165	78.95	165	78.95
DON'T KNOW/CAN'T REMEMBER	3	1.44	168	80.38
YES	40	19.14	208	99.52
NO RESPONSE	1	0.48	209	100.00

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

If yes, please indicate whether your boat was approached and/or questioned for each of the following reasons by the marine law safety patrol.

The *FREQ* Procedure

a. Boat equipment or hull identification inspection				
Q6AA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	32	80.00	32	80.00
NO	8	20.00	40	100.00

Frequency Missing = 239

b. Law enforcement action warning, citation or arrest				
Q6AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	4	10.00	4	10.00
NO	36	90.00	40	100.00

Frequency Missing = 239

c. Received assistance (direction, tow, rescue, etc.)				
Q6AC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	2.50	1	2.50
NO	39	97.50	40	100.00

Frequency Missing = 239

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Where did the encounter(s) happen?

The FREQ Procedure

a. On land (before or after launching)				
Q6BA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	20	50.00	20	50.00
NO	20	50.00	40	100.00

Frequency Missing = 239

b. On water (while boating)				
Q6BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	24	60.00	24	60.00
NO	16	40.00	40	100.00

Frequency Missing = 239

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

The FREQ Procedure

Q7.Were you approached in Oregon by an Aquatic Invasive Species boat inspector anytime from October 1, 2009 to September 30, 2010?					
Q7	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
NO	194	92.82	194	92.82	
DON'T KNOW/CAN'T REMEMBER	2	0.96	196	93.78	
YES	7	3.35	203	97.13	
NO RESPONSE	6	2.87	209	100.00	

Frequency Missing = 70

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

If yes, please indicate whether or not the following happened with the Aquatic Species boat inspector.

The *FREQ* Procedure

A. The inspector provided useful educational information				
Q7AA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	5	71.43	5	71.43
NO	2	28.57	7	100.00

Frequency Missing = 272

B. All parts of the boat (including motor & trailer) were inspected				
Q7AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	3	42.86	3	42.86
NO	4	57.14	7	100.00

Frequency Missing = 272

C. The inspection resulted in your boat being cleaned				
Q7AC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
NO	7	100.00	7	100.00

Frequency Missing = 272

D. The inspection occurred at a boat ramp or adjacent parking area				
Q7AD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	4	57.14	4	57.14
NO	3	42.86	7	100.00

Frequency Missing = 272

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

If yes, please indicate whether or not the following happened with the Aquatic Species boat inspector.

The FREQ Procedure

E. The inspection occurred at a roadside check station				
Q7AE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	2	28.57	2	28.57
NO	5	71.43	7	100.00

Frequency Missing = 272

F. The inspection occurred elsewhere (Describe)				
Q7AF	Frequency	Percent	Cumulative Frequency	Cumulative Percent
YES	1	14.29	1	14.29
NO	6	85.71	7	100.00

Frequency Missing = 272

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write in the total number of each craft you currently own.

The MEANS Procedure

AB. Registered motorboat(s)				
Q8AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	176	63.08	176	63.08
1	76	27.24	252	90.32
2	18	6.45	270	96.77
3	2	0.72	272	97.49
6	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

C. Canoe				
Q8C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	193	69.18	193	69.18
1	66	23.66	259	92.83
2	11	3.94	270	96.77
3	2	0.72	272	97.49
5	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

D. Inflatable raft				
Q8D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	173	62.01	173	62.01
1	63	22.58	236	84.59
2	24	8.60	260	93.19
3	6	2.15	266	95.34
4	2	0.72	268	96.06
6	2	0.72	270	96.77
8	1	0.36	271	97.13
NO RESPONSE	6	2.15	277	99.28
10	2	0.72	279	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write in the total number of each craft you currently own.

The MEANS Procedure

E. Inflatable catamaran				
Q8E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	258	92.47	258	92.47
1	9	3.23	267	95.70
2	5	1.79	272	97.49
3	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

F. Standup paddle board				
Q8F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	266	95.34	266	95.34
1	7	2.51	273	97.85
NO RESPONSE	6	2.15	279	100.00

G. Kite board				
Q8G	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	272	97.49	272	97.49
1	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

H. Float plane				
Q8H	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	273	97.85	273	97.85
NO RESPONSE	6	2.15	279	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write in the total number of each craft you currently own.

The MEANS Procedure

I. Kayak				
Q8I	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	143	51.25	143	51.25
1	36	12.90	179	64.16
2	62	22.22	241	86.38
3	15	5.38	256	91.76
4	9	3.23	265	94.98
5	4	1.43	269	96.42
6	3	1.08	272	97.49
NO RESPONSE	6	2.15	278	99.64
25	1	0.36	279	100.00

J. Drift boat				
Q8J	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	238	85.30	238	85.30
1	34	12.19	272	97.49
NO RESPONSE	7	2.51	279	100.00

K. Row boat				
Q8K	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	247	88.53	247	88.53
1	23	8.24	270	96.77
2	2	0.72	272	97.49
5	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write in the total number of each craft you currently own.

The MEANS Procedure

L. Sail boat (less than 12 feet)				
Q8L	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	270	96.77	270	96.77
1	2	0.72	272	97.49
2	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

M. Sail board				
Q8M	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	270	96.77	270	96.77
1	2	0.72	272	97.49
3	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

N. Other				
Q8N	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	243	87.10	243	87.10
1	19	6.81	262	93.91
2	9	3.23	271	97.13
3	1	0.36	272	97.49
8	1	0.36	273	97.85
NO RESPONSE	6	2.15	279	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Please write in the total number of each craft you currently own.

The MEANS Procedure

O. Total watercraft you own				
Q80	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	70	25.09	70	25.09
2	67	24.01	137	49.10
3	52	18.64	189	67.74
4	34	12.19	223	79.93
5	16	5.73	239	85.66
6	13	4.66	252	90.32
7	5	1.79	257	92.11
8	6	2.15	263	94.27
9	1	0.36	264	94.62
10	5	1.79	269	96.42
11	1	0.36	270	96.77
13	1	0.36	271	97.13
37	1	0.36	272	97.49
NO RESPONSE	7	2.51	279	100.00

OREGON MANUALLY POWERED BOATING SURVEY TRIENNIAL 2010 Unweighted

Q8. Sum of watercrafts currently owned

The FREQ Procedure

Variable	Label	N	Sum	Mean
Q8AB	AB. Registered motorboat(s)	273	124.0000000	0.4542125
Q8C	C. Canoe	273	99.0000000	0.3626374
Q8D	D. Inflatable raft	273	177.0000000	0.6483516
Q8E	E. Inflatable catamaran	273	22.0000000	0.0805861
Q8F	F. Standup paddle board	273	7.0000000	0.0256410
Q8G	G. Kite board	273	1.0000000	0.0036630
Q8H	H. Float plane	273	0	0
Q8I	I. Kayak	273	304.0000000	1.1135531
Q8J	J. Drift boat	272	34.0000000	0.1250000
Q8K	K. Row boat	273	32.0000000	0.1172161
Q8L	L. Sail boat (less than 12 feet)	273	4.0000000	0.0146520
Q8M	M. Sail board	273	5.0000000	0.0183150
Q8N	N. Other	273	48.0000000	0.1758242
Q8O	O. Total watercraft you own	272	857.0000000	3.1507353