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1. **BACKGROUND AND PURPOSE**

2. **METHODS**

Between January 20 and January 28, 2010, four cognitive interviewers conducted interviews for the three National Recreational Boating Survey (NRBS) survey instruments—the Boat Survey, the Trip Survey, and the Participant Survey. The survey instruments tested were those initially submitted to the Office of Management and Budget (OMB) with two exclusions: (a) the screener and hand-off sections, and (b) the rented boat trip portion of the Participant Survey. After an initial round of interviewing for each survey, interviewers met to evaluate whether any changes were necessary for the second round. Changes made at this stage typically reflect major language or structural issues that interfere with instrument testing.

2.1. **SAMPLING**

In order to efficiently identify and recruit respondents who would represent low incidence subpopulations, respondents were recruited using a referral sampling technique. This technique utilizes existing study subjects to assist in recruiting future subjects from their social network. The approach permits the representation of specific types of people who might not be encountered using a random sampling approach. Initial contacts included ICF Macro employees who supervise an intercept study of anglers along the East Coast. An honorarium of $50 was offered for participation in each survey and assistance with recruitment efforts.

Respondents to the Boat Survey were also recruited to test the Trip Survey, since the panel sample for the Trip Survey will be recruited from those completing the Boat Survey. This allowed the team to test the Trip Survey with respondents who were already familiar with the general purpose and format of the survey system.

Exhibit 1 shows the number of interviews conducted for the two surveys about boats—the Boat Survey and the Trip Survey.
Exhibit 1- Boats referenced for each survey type

<table>
<thead>
<tr>
<th></th>
<th>Motorboat</th>
<th>Human-powered Boat</th>
<th>Sailboat</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boat Survey</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Round 1</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Round 2</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Trip Survey</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Round 1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Round 2</td>
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<tr>
<td><strong>Participant Survey</strong></td>
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<td></td>
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</tr>
<tr>
<td>Round 1</td>
<td>2</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Round 2</td>
<td>2</td>
<td>2</td>
<td>2</td>
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<td>Characteristic</td>
<td>Boat Survey</td>
<td>Trip Survey</td>
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<tr>
<td>-------------------------</td>
<td>-------------</td>
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</tr>
<tr>
<td><strong>Gender</strong></td>
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<td></td>
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<tr>
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<tr>
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<td>1</td>
<td>2</td>
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<tr>
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<tr>
<td>&gt;50</td>
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<td>50+</td>
<td>6</td>
<td>4</td>
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<td><strong>Level of Education</strong></td>
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<td><em>Less than a 4-year college degree</em></td>
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<tr>
<td><em>Graduate degree</em></td>
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<tr>
<td><strong>Boat Ownership</strong></td>
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<tr>
<td><em>Yes</em></td>
<td>9</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td><em>No</em></td>
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<td>0</td>
<td>3</td>
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<tr>
<td><strong>Type of Boat Owned/Used</strong></td>
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<tr>
<td><em>Human-powered</em></td>
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<td>2</td>
</tr>
<tr>
<td><em>Motor Boat</em></td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><em>Sailboat</em></td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>
3. **STRUCTURE OF THIS REPORT**

The three surveys were tested separately, and findings from each are presented here.

*Recommended changes are presented in this font and are implemented in the recommended surveys in the Appendices.*

*Changes for USCG’s consideration are presented in this font and not implemented in the recommended surveys in the Appendices.*

In some cases, the same question appeared in two surveys. In each case, the interviewers worked together to recommend changes to these questions and implemented the same question in each survey.

Final, programming-ready surveys for all modes for all surveys appear in the Appendices. Total recommended changes were largely concerned with question text and resulted in an overall reduction of survey length and anticipated respondent burden.

4. **BOAT SURVEY**

In general, the Boat Survey is about boat types and other categorical concepts. Testing focused on two aspects: whether respondents’ spontaneous answers aligned with the listed answers, and whether respondents were able to use the provided response lists. For the most part, while spontaneous answers to the questions varied, the lists worked very well, as did the survey questions.

Questions that provided notable challenges were:

- **OWNEXP**, the owner’s rating of his or her own experience operating the boat, and
- The expenditures series from SPNDYR through SPNDOTH.

4.1. **SURVEY STRUCTURE**

4.1.1. **Introducing the two sections**

The Boat Survey consists of two sections: one that asks simple questions about all the household’s boats, and one that asks questions about just one of the household’s boats. One respondent observed that he had anticipated answering the questions in the second section about all his boats. Because this perception might lead to lower survey cooperation, an explanation was added before each section for testing in Round 2.

After the informed consent statement, we added:

“*I’ll ask the next few questions about each of your boats.*”

After the boat enumeration section, we changed:

“The next questions are about your [boat/longest boat/second longest boat/shortest boat].”
To:

“The next section is just about ones of your boats. These questions are about your [boat/longest boat/second longest boat/shortest boat].”

Both these introductory statements were clear to respondents in Round 2.

Recommendation 1. Add brief introductory statements to the two sections to clarify what boats will be covered.

4.1.2. Additional skips for some types of boats

Some respondents to this and the other surveys noted that some of the survey questions would be difficult to answer for some types of boats. In particular, owners of canoes and kayaks might not be able to provide some of the same details as owners of larger boats that entail more significant investments. Particular questions in the Boat Survey noted by respondents included:

- Model Year (MODELYR) for canoes and kayaks—two respondents reported difficulty answering this for non-motor boats.
- Length (LN_X) for canoes and kayaks—one respondent who owned a kayak explicitly guessed and indicated that motor boats are sold by length whereas kayaks often are not.
- Has a motor (HASMOT) for powerboats (this question was already skipped for canoes and kayaks)
- Several expenditures questions do not apply to canoes, kayaks, inflatables, and rowboats. This issue is discussed further below.

Recommendation 2. Skip HASMOT and autopunch to 1 for powerboats. In other words, assume that powerboats have motors.

4.1.3. Additional explanation of the purpose

In their general comments about the surveys, respondents offered that they did not hear anything in the introductory text that motivated them to take the surveys. For the Trip Survey, one respondent said that he did not hear anything in the explanation that made it clear why the survey was happening. For the Participant Survey, at least one respondent thought that people would not be motivated to respond because they did not understand the purpose. Two respondents automatically thought that the survey was an attempt to disseminate information about boat safety. Since the survey is actually designed to measure exposure, it is important that these assumptions not dissuade some people from participating.

Some introductory language that did not make sense in the context of the cognitive interview was omitted during testing, but the following statement from the informed consent statement was read and tested:
INFOc. You are eligible to be interviewed. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about one hour\(^1\). The United States Coast Guard is interested in how boats are used.

To increase the relevance and interest of the survey, this language could be modified to:

INFOc. You are eligible to be interviewed. The United States Coast Guard needs to know about how boats like yours are used so that they can understand how safe recreational boating in the United States is. The interview will include questions about what your boat is like and what you do with it. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about ## minutes.

Recommendation 3. Change the introductory language of the Boat Survey to clarify and explain specific analytic goals of the survey and the need for exposure information. Use the INFOc language tested in cognitive interviewing and add the following statement to the initial contact statement: “The Coast Guard is conducting a survey of people who own boats to get information about how boats are used. The survey will only take a few minutes, and it will help the Coast Guard make boating safer.”

In the panel recruitment section of the Boat Survey, a critical section to the success of the NRBS, respondents were unclear on the specific goals and the actions associated with the recontact. One respondent recommended that some details about the recontact (e.g., length of survey) be included in the initial recruitment question. Another recommended that we specify that recontact would be about ‘this boat’. The original recruit series read:

**PART1** Can we contact you again to learn more about your boat in the coming year?

1 YES  
2 NO

**PART2** Great! We will contact you two to four times in the coming year to ask you a few questions about this boat. The surveys will take no more than 10 minutes, and because we value your time, you will be compensated with $5 for each completed survey. Participation is completely voluntary, and your responses are completely confidential.

CONTINUE  
TERMINATE

A revised series that does not violate industry best practice for ethics would be:

**PART1** The US Coast Guard is interested in learning about how boats are used so that it can understand how safe boating is. Your personal experiences on this boat can help. Can we contact you this year to conduct very short surveys about this boat?

\(^1\) This language was changed for the cognitive interviews so that respondents would not become confused. The language in the actual survey will reflect the length of the boat interview—five to 10 minutes.
**PART2** Great! We will contact you two to four times in the coming year to ask you a few questions about this boat. The surveys will take no more than 10 minutes, and because we value your time, you will be compensated with $5 for each completed survey. Participation is completely voluntary, and your responses are completely confidential.

CONTINUE
TERMINATE

Recommendation 4. Change panel recruit series to provide more information about the importance and purpose of the effort.

Recommendation 5. Change panel recruit series to say ‘about 10 minutes’ instead of ‘no more than 10 minutes’ based on the length of the Trip Survey gleaned during testing.

### 4.2. Survey Questions

#### 4.2.1. Boat Ownership (BS1)

**BS1** Do you, or does anyone in your household own any boats?

This question tested successfully, but two respondents recommended clarifying whether canoes, kayaks, and inflatable boats are included.

Recommendation 6. Add “Please include canoes, kayaks, inflatable boats, and personal watercraft” to BS1.

BS3, the question about making money with boats, was clear, but interviewers noticed that the results cannot be used to screen out specific boats from the survey.

Recommendation 7. Move BS3 after the INTROC screen so that it can be asked for each boat. Rename to BMONEYN.

#### 4.2.2. Boat Registration (REG_X)

The boat registration question was difficult for interviewers to read and respondents to understand. Initially, the question read:

*Not all states require boats to be registered. What is the registration status of your [boat/longest boat/second longest boat/shortest boat]? Is it...*

**IF NECESSARY:** Only a few very large boats are documented with the US Coast Guard.

1. Registered or Documented with the US Coast Guard, or
2. Unregistered

One respondent had a boat that was documented with the U.S. Coast Guard and registered in the State of Maryland. She responded “It’s registered with the Coast Guard”. Because these
registrations are not mutually exclusive and because the intent of the answer choice was unclear, we modified the wording of this question for Round 2 to:

Is your [boat/longest boat/second longest boat/shortest boat]

1 Registered, or

2 Unregistered?

DK

REF

Some very large boats are documented with the US Coast Guard. Is this boat documented with the US Coast Guard?

YES

NO

DK

REF

This series tested successfully, but it was unnecessary to continue to specify ‘longest boat’, etc.. For the remaining questions in the loop, this was streamlined to ‘this boat’.

Recommendation 8. Ask separate questions for registration and documentation.

Recommendation 9. Use specific boat identifier (e.g., ‘longest boat’) once, and then use ‘this boat’.

4.2.3. Boat Types

Respondents were probed for a spontaneous response to ‘what type of boat is your boat’. Nearly all respondents immediately understood all the answer choices and were able to categorize their own boats.

Powerboat Type (TPpX)

All respondents understood the items in the powerboat option list. The order of this list was clarified in the Participant Survey. The same order should be used in all surveys.

Recommendation 10. Keep all items in the TPpX list. Reorder them as necessary to align with the same list in the Participant Survey.

Sailboat Type (TPSX)

The list of sailboat types included:

01   Auxiliary sail

02   Sail only

One respondent who was extremely familiar with boats did not know if an auxiliary sailboat was defined by whether it had a motor. A second respondent also hesitated on this option in the
Boat Survey, indicating confusion. Two respondents said that they understood the correct phrase to be “auxiliary motor sailboat”.

Recommendation 11. Change answer choice 1 for TPSX from “auxiliary sail” to “auxiliary motor sailboat”. To make the formats align, change answer choice 2 to “sail only sailboat”.

4.2.4. Hull material (HULLMAT)

Most respondents knew the material of their boats’ hulls. One respondent said after probing that he had said ‘fiberglass’ because it was his impression that most boats are made of fiberglass. One respondent was confused by these items in the list: carbon fiber and fiberglass. One respondent mentioned that canoes or kayaks might be made of polyethylene, and that material is not in the list.

Recommendation 12. Add an “if necessary” statement to help interviewers define carbon fiber for respondents.

Consideration 1. Consider adding polyethylene to the materials list.

4.2.5. Type of propulsion (PROPULS)

One respondent believed that ‘air thrust’ was the same as ‘sailboat’.

Consideration 2. USCG may wish to clarify that this was not the intended meaning of ‘air thrust’ and potentially add a clarifying statement to that answer choice.

4.2.6. Type of motor (MOTOR)

In general, respondents knew the types of motors that their boats had, and they understood the question’s answer choices. However, the final answer choice read:

   Sterndrive or inboard-outboard

One respondent thought that was redundant, and interviewers observed that respondents tended to hear this as two different answer choices. Because Round 1 respondents tended to say “inboard-outboard”, we tested the following alternative in Round 2.

   Inboard-outboard engine

   IF NECESSARY: This is also called a sterndrive

Respondents understood the revised answer choice.

Recommendation 13. Change “sterndrive or inboard-outboard” on MOTOR to inboard-outboard engine. Add an “if necessary” note clarifying that this is also called a sterndrive.
### 4.2.7. Motor horsepower (MOTHP)

Many respondents were sure of the horsepower of their boats’ engines. One provided a guess. Short of asking respondents to look up their motor horsepower, it seems that there is no alternative way to ask this question. Data on horsepower collected in the survey may not be entirely accurate since some respondents will have to guess.

### 4.2.8. Operation experience (OWNEXP)

In several of the NRBS surveys, the original response scale for the experience question did not perform as intended. The original question was:

*How experienced in the operation of the boat are you? Would you say...*

- Very experienced
- Somewhat experienced
- Somewhat inexperienced, or
- Very inexperienced

DK

REF

Two respondents in Round 1 said “very experienced” but wished for a response option between “somewhat” and “very”. One respondent in Round 1 provided the response ‘somewhat inexperienced’ with some difficulty but then said ‘somewhat experienced’ during a later test of the panel survey.

In Round 2, we tested the alternative:

*How experienced in the operation of the boat are you? Would you say...*

- Extremely
- Moderately
- Somewhat, or
- Not at all

DK

REF

This latter series appeared to test slightly better, but two respondents explicitly preferred the very/somewhat scale. Perhaps a larger problem was that only one respondent said that he or she was anything other than ‘very experienced’. The final scale should attempt to elicit at least some variance on this question. For this survey iteration, we have recommended the new scale:

*How experienced in the operation of the boat are you? Would you say...*

01 Very experienced
However, we note in the participant section that the USCG may wish to consider using another measure of experience.

4.2.9. **Boat storage**

One respondent with a large sailboat did not understand the word ‘stored’ with respect to her boat, which is kept on the water at a marina. She said that ‘stored’ is a word used for boats that are kept on land while ‘docked’ is a word used for boats that are kept on water. Another owner of a large boat said in his Trip Survey interview that he uses the word ‘moored’ for these boats. All owners seem to understand the word ‘kept’, so this was tested in Round 2.

*Recommendation 14. Change ‘stored’ to ‘kept’ for STORED and for “Was the boat used outside the state where the boat is kept in 2009?”*

4.2.10. **Boat transportation**

The question about transporting boats was difficult to understand.

*Was the boat transported, trailered, or hauled for the purpose of launching it in 2009?*

1 YES
2 NO
DK
REF

One respondent required it to be reread, and another complained that the terms were redundant. In Round 2, an alternative was successfully tested, but a kayak owner asked if ‘transported’ meant ‘carried’.

*Was the boat transported or trailered for the purpose of launching it in 2009?*

1 YES
2 NO
DK
REF

*Recommendation 15. Remove ‘or hauled’ from the list in “Was the boat transported, trailered, or hauled for the purpose of launching it in 2009?”*. 
Consideration 3. Review whether the transportation question should be asked for canoes and kayaks, which are often carried or driven from one location to another.

4.2.11. The expenditures series

The expenditures series was the most challenging for respondents. Almost all respondents had to guess on some items in this section, and most were confused by at least some of the items. In Round 2 of interviewing, we tested some alternatives to the original wording that were designed to improve flow on the phone. However, it may ultimately be difficult for respondents to provide accurate information about certain types of annual expenditures.

The any expenditures question (SPNDYR)

All respondents said yes to this question, although the question in its initial form was difficult for some to parse. For Round 2, we clarified the question by simply moving part of it to an ‘if necessary’ statement. Initially, the question read:

*During 2009, did you or anyone in your household spend any money on the boat? Think about expenses such as insurance, storage, motors, supplies, safety, and maintenance and repairs.*

For Round 2, the question read:

*During 2009, did you or anyone in your household spend any money on the boat?*

*IF NECESSARY: Think about expenses such as insurance, storage, motors, supplies, safety, and maintenance and repairs.*

The latter question tested successfully, although a few respondents in both rounds of interviewing volunteered that most people do spend money on their boats, making the gate question seem unnecessary. The intent of this question is to skip the long series of expenditures for people who have not spent on their boats; mostly, this would be casual owners of canoes and kayaks. The USCG may wish to consider eliminating this question.

Recommendation 16. Change SPNDYR to the simpler form used in Round 2 (see above).

The expenditures series

Several of the items were difficult to parse when read aloud. These items were originally presented in mail or internet instruments, both self-administered formats, and they were more difficult to understand on the phone. The following changes were made between Rounds 1 and 2 of testing.

<table>
<thead>
<tr>
<th>Question</th>
<th>Round 1</th>
<th>Round 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>During 2009, how much did you spend on:</td>
<td>Added IF NECESSARY: Do not include gas</td>
<td></td>
</tr>
<tr>
<td>SPNDMNT</td>
<td>Boat maintenance, repairs, or installation of new products or upgrades performed by others including labor and parts</td>
<td>Services performed by others like boat maintenance, repairs, or installation of new products. IF NECESSARY: upgrades performed by others including labor and parts</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SPNDPART</td>
<td>Products, parts, supplies, and accessories that you purchased directly to be installed/used on the or the trailer including electronics and navigation, parts, docking and anchors, paint and maintenance supplies, hardware, sail supplies, trailer parts, etc.</td>
<td>Products, parts, supplies, and accessories that you purchased directly IF NECESSARY: to be installed or used on the boat or the trailer including electronics and navigation, parts, docking and anchors, paint and maintenance supplies, hardware, sail supplies, trailer parts, etc.</td>
</tr>
<tr>
<td>SPNDOTH</td>
<td>Other things including boating-related clothing, fishing equipment for this boat, navigation charts, safety-related equipment, water sports equipment, etc.</td>
<td>Other things including boating-related clothing, fishing equipment for this boat, navigation charts, safety-related equipment, and water sports equipment</td>
</tr>
</tbody>
</table>

One respondent was confused about which boat or boats were referred to by the questions in this series. To address this, we can modify the question text and the first item.

- **SPNDLOAN**: One respondent knew her monthly payment but not her annual expenditure on loan payments. This kind of confusion is likely to be common. This question should probably be asked separately with a monthly, rather than annual, reference period.
- **SPNDTAX**: One respondent wondered whether registration was a tax. USCG may wish to clarify the target concept for this question.
- **SPNDMNT**: A Round 1 respondent required this question to be reread since ‘performed by others’ appeared to be an important qualifier that came at the end. The research team modified this question to test an alternative in Round 2.

The other expenditures question, SPNDOTH, was difficult for respondents to understand. Two respondents wondered whether it included food and gas. Because items like that are included in the Trip Survey and not the Boat Survey, this confusion may be common. USCG may wish to move this item to the Trip Survey or to remove it from the NRBS.

One respondent pointed out that some of these items will not be relevant to some types of boats. For simplicity, USCG may wish to ask these questions of all boat owners, but the answers to most of them will be zero for low-investment type boats. To reduce the possibility of introducing error, we recommend skipping some items for canoes, kayaks, rowboats, and inflatables. These questions would all be asked for sailboats, personal watercraft, and powerboats.
Consideration 4. Clarify whether spending on ‘tax’ includes registration

Consideration 5. Remove the ‘other’ category from the expenditures series since it was interpreted very differently by different people.

Consideration 6. Review the recommended modification to SPNDMNT since the original sentence construction could have been read two ways.

Recommendation 17. Add skip patterns to skip some types of expenditure questions for kayaks, canoes, rowboats, and inflatable boats.

Clarifying the target boat

One respondent was confused about whether the questions were about one boat or all his boats. To address this, an instruction can be added, and the wording of the first item can be changed

Recommendation 18. Add “The next questions are about just the boat we’ve been asking about”.

Recommendation 19. Modify the language in SPNDBOAT to refer to just one boat as in the recommended series below.

The complete recommended series

Below is the script for the recommended expenditures series.

_The next questions are about money you spent on this boat in 2009._

/ask all/

SPNDBOAT1 Did you buy this boat new in 2009?

YES
NO
DK
REF

/ask if SPNDBOAT1=YES/

SPNDBOAT2 How much did you spend?

RECORD RESPONSE
DK
REF

/ask all/

SPNDLOAN1 Do you have a monthly loan payment for this boat?

YES
NO
SPNDLOAN2  How much do you pay monthly for the boat including principal and interest?

During 2009, how much did you spend for this boat on:

IF NECESSARY: Do not include gas

SPNDSTOR  Storage including slip rental fees, dry stack, winter storage, and self storage rental

IF ask if BOATTYPE IN (Powerboat, sailboat, personal watercraft)/

SPNDINS  Insurance for liability, theft, fire

IF ask if BOATTYPE IN (Powerboat, sailboat, personal watercraft)/

SPNDTAX  Taxes on the boat

IF ask if BOATTYPE IN (Powerboat, sailboat, personal watercraft)/

SPNDNEQP  New motors and trailers

IF ask if BOATTYPE IN (Powerboat, sailboat, personal watercraft)/

SPNDUEQP  Pre-Owned and Rented motors and trailers

IF ask all/

SPNDMNT  Services performed by others like boat maintenance, repairs, or installation of new products

IF NECESSARY: upgrades performed by others including labor and parts

IF ask all/

SPNDPART  Products, parts, supplies, and accessories that you purchased directly

IF NECESSARY: to be installed or used on the boat or the trailer including electronics and navigation, parts, docking and anchors, paint and maintenance supplies, hardware, sail supplies, trailer parts, etc.

IF ask all/

SPNDOTH  Other things including boating-related clothing, fishing equipment for this boat, navigation charts, safety-related equipment, and water sports equipment
4.2.12. **Minor text changes**

Minor text changes were made to some questions as a result of testing. Specific references to the identified boat became repetitive, so ‘this boat’ was tested for Round 2 on some questions.

*Recommendation 20. USE_X Change specific reference to “this boat”.*

*Recommendation 21. Change ‘the boat’ to ‘it’s’ in USE_X.*

4.2.13. **A note about the mail survey**

OMB guidelines permit nine cognitive interviews per survey version. Because the telephone version was complex and untested, we dedicated these interviews to the telephone version of the Boat Survey specifically. Lessons learned in the wording and introduction of questions can be applied to the mail survey. To the extent possible, the two instruments should be the same, so a revised mail survey is included in the appendices.

5. **Trip Survey**

The Trip Survey will be conducted via web with a telephone follow-up. Because telephone surveys are much more difficult for respondents to understand, the Trip Survey was tested in telephone form. With one exception at the lifejacket phase, the two versions of the survey will be as similar as possible.

5.1. **Survey Structure**

Structural issues that emerged in testing called for the following changes:

1. Moving the selection of docked trips to after the water trips;
2. Reformulating several loops so that they asked about all items (e.g., safety equipment, children on the boat) first and then asked for information about each relevant item;
3. Limiting questions about docked trips to reduce fatigue; and
4. Skipping some questions for canoes, kayaks, and other low-investment boats.

For the most part, respondents were able to remember the number of trips in the target month and were able to remember specific, recent trips.

5.1.1. **Introductory text**

On this survey as on the others, we have modified the introductory text slightly to provide more information. Since respondents to this survey will have already opted in, these changes were minimal. However, the informed consent statement did not contain information about the honorarium, so we recommend adding that.

*Recommendation 22. Add information about honorarium to informed consent statement.*
5.1.2. Docked trips

During the interviews, several respondents became fatigued by the series on the docked trips. This series, as originally written, was somewhat repetitious. To collect the best possible data, we recommend asking only two questions about docked experiences on the boat: location and hours on the boat. This information is critical to accurately estimating exposure.

The instrument administered on the web will likely run more quickly than the telephone instrument. However, the time gained might be more usefully applied to collecting additional information about water trips, since the interviewers observed that one water trip report takes longer than anticipated.

*Recommendation 23. Limit questions about docked trips to location and time on the boat.*

5.1.3. Multiple water trips

The sampling plan is based on collecting up to two water trips from each respondent. This should be possible from a recall standpoint, but the surveys themselves are repetitive. To address this, we recommend reducing the number of questions in the docked trips to cover the critical information and modifying the language in the water trip life jacket and safety equipment series so that respondents have the option of selecting a ‘same as for the other trip’ option.

For instance, there is a long series of safety equipment items in the first trip report. In the second, we can ask:

- *LFJSAMETRIP2.* I have done that on another day the boat was carrying [LFJN_TRIP1] life jackets and [LFPN_TRIP1] life preservers. Were all those on the boat on this day?

- *LFJMORETRIP2.* Were there any additional life jackets or preservers on the boat on this day?

Respondents indicated that most of their equipment lived on the boat full-time, so typically, the answers to these questions would be ‘yes’ and ‘no’ respectively, and no additional information would need to be collected.


As an alternative, the second sampled trip could measure just exposure.

5.2. Survey Questions

5.2.1. Introductory statements

In the initial statements, interviewers changed ‘recreate’ to ‘spend their free time’ for Round 1, since ‘recreate’ is difficult to read and understand. For all the surveys, however, respondents suggested offering more sense of the surveys’ purpose in the informed consent statement, so these statements have been revised.
Recommendation 25. Revise introductory statements to mention boating safety and water recreation.

5.2.2. Where the boat lives (STOREM)

Two respondents who kept their boats on the water during the boating season were confused by the word ‘stored’ (as used in reference to the location where the boat is when people are not on it). One person said that this might be better phrased ‘docked’ or ‘moored’. Because ‘stored’ is appropriate for some kinds of boats kept on land, the word was changed to ‘kept’ for Round 2 testing. This word seemed to be comprehended by owners of all kinds of boats, although one owner—whose boat was kept on land—suggested ‘stored’, as did a kayak owner.

Recommendation 26. Change all references to where the boat is ‘stored’ to references to where the boat is ‘kept’.

One respondent kept his boat in a lift above the water. For him, STOREM could not be answered with the available choices.

Recommendation 27. Include a note to the interviewer in the collection program stating: “IF NECESSARY: Boats kept on lifts are considered stored on land for the purpose of this question.”

5.2.3. Identifying docked recreation days (DTRIP)

Almost all the cognitive interview respondents had spent time on boats that were docked. They understood this question, but respondents whose boats did not have motors said that “docked” did not apply to them. Certainly, this question does not seem to apply to canoes and kayaks, and it may not apply to inflatables and personal watercraft.

Recommendation 28. Skip DTRIP and DTRN for canoes, kayaks, inflatables, and personal watercraft. Skip DTIP and DTRN if STOREM is in (LAND, DON’T KNOW, or REFUSED)

This section was easy to understand, but interviewers observed that putting the questions about water trips first would be more intuitive, since that is what most boat owners expect to do with their boats. Reinforcing this recommendation is the fact that one respondent became confused and reported number of days on the water rather than docked in this section because she was expecting to answer questions about using her boat on the water.

Recommendation 29. Move STOREM-DTRN to the Docked Days section immediately before ONBT1.

One respondent had used the boat while it was moored at anchor. The USCG may wish to clarify whether this time is considered time on open water.

Consideration 7. Clarify whether use of boats moored at anchor is considered active boating on the open water. Add IF NECESSARY statements to questions to help interviewers clarify this for respondents.
5.2.4. Identifying water recreation days (WTRIP & WTRN)

All cognitive interview respondents had been boating recently. Because interviewing was conducted in January, some interviews used the month when the most recent trip had occurred as the target month. While in some cases, this was December, there were also cases where September or October were used, so recall in this test is probably less sharp than it will be under the NRBS design.

WTRN, the question used to count the number of days the respondent has been out on the water in the month, is critical to collecting accurate exposure estimates. The following issues were addressed in interviewing with this question:

- **Days the boat was operated by someone else:** One respondent did not report days when the boat went out without him. To ensure that this does not happen, WTRN should include a specification that the question is about days the boat was on the water.

- **Estimating total days:** Days estimated in interviews ranged from two to 14. Respondents came up with those answers in different ways. Many used other activities or memories about the weather to support their estimates. For instance, one boat owner remembered the days that he went hunting, and another used ‘how the perch were biting’. Sailboat owners in particular seemed to have a clear sense of when their boats were used. Some owners, who used their boats during organized events, had a clear sense of exactly when and for how long their boats had been out. At least one owner, however, did estimate the number of days on the water as ‘four or five’, and another said that she goes out every weekend. For the most part, owners seemed to have a fairly accurate recollection of the number of their recent boat trips, especially for more recent reference periods.

A few respondents had been out for several days or had been out for five to 14 days in a row. Randomly selecting one of these days might be difficult. However, when this occurred, respondents were generally engaging in the same behavior each day. For instance, they were participating in a sailboat race that lasted exactly seven hours each day. The USCG may wish to modify the selection protocol so that if there were more than seven trips in a month, the first or last is used.

**Consideration 8.** Because several trips in the same month may be clustered in a single activity, choosing a random one could be difficult for respondents. The first or last in a set of more than seven trips might be used to represent the group.

**Recommendation 30.** Add “please include times when your boat was used but you were not on it” to WTRN.

5.2.5. States where boated

The section on states where the boating took place was easy for respondents to complete, although one respondent was in Washington DC and pointed out that this is not a state; he was
able to understand the question, however. Two respondents recommended that we specify that we are looking for geography rather than physical state of the boat.

Recommendation 31. Change WLOC to say “which of the United States was the boat in”.

5.2.6. People on the boat (WPPL)

Respondents did include themselves in the counts they provided for this question.

5.2.7. Staying on the water overnight (OVERNT)

Respondents’ automatic response to this question was ‘yes’ or ‘no’. The answer choices may be changed to reflect this.

Recommendation 32. Change answer choices for OVERNT to ‘yes’ and ‘no’.

5.2.8. Hours on the water (WHRS)

Hours on the water is a critical question. Probing for this question was extensive.

- **How they responded**: Most respondents gave specific numbers.
- **How they remembered**: Three respondents explicitly used the times that their boats had set out and returned.
- **How sure they were**: Most respondents thought the times they gave were quite accurate. Some said that it could have been an hour more or less, but no one thought it could have been three or four hours more or less. The least confident respondent gave ‘two’ as the answer and was sure that it was more than one and less than four.
- **How they interpreted the question**: One respondent misinterpreted the ‘on the water’ part of the question because her boat was always docked on the water. To clarify, we can change the question to ‘before it was moored, docked, or taken out of the water again’.

For the most part, this question tested successfully; respondents were able to remember their trips and provide information about their time on the water.

Recommendation 33. Change WHRS to include ‘before it was moored, docked, or taken out of the water again’.

5.2.9. Types of water

This question originally consisted of a ‘freshwater’ section and a ‘saltwater’ section and then several bodies of water under each. In Round 1, the question was not successful because:

- Several respondents had been out on brackish water and became confused when that was not an option;
- Several of the bodies of water that people had been out on were not in the lists;
- The items in the lists did not seem to be mutually exclusive to respondents; and
In cases where respondents did not know if the water was salt or fresh, bodies of water would not have been collected. Uncertainty about fresh/saltwater occurred in two out of four Round 1 interviews, mostly because rivers and bays close to the shore have different classifications in different places.

For Round 2, the question was changed for additional testing.

First, the water types were collected:

- **On that day, did the boat go on any:**
  - Brackish water?
  - freshwater?
  - Saltwater?

  1 YES
  2 NO
  DK
  REF

Second, interviewers collected the bodies of water provided by respondents to create a final list for the NRBS survey.

The new freshwater/saltwater question tested successfully. One respondent who was himself an interviewer for a fishing survey said that his respondents did not always know what brackish water was and suggested adding a statement for the interviewers to use to clarify. Using an interviewer-coded bodies of water question rather than reading responses will help prevent confusion with terms. One respondent did not understand the word “gulf” when it was read, for instance. Another did not know whether Lake Champlain in Vermont was an intercoastal waterway.

The final recommended series is:

- **On that day, did the boat go on any:**
  - Brackish water?
  
  *IF NECESSARY: Brackish water is water where freshwater and saltwater are mixed.*
  - freshwater?
  - Saltwater?

  1 YES
  2 NO
  DK
  REF

  *What kinds of bodies of water did it go out on?*
The latter three answer choices were not listed by respondents in testing, but they are items from the original list that are distinct from the set of items above.

The original questions asked about distance from shore on the ocean. It was unclear whether this information was a specific USCG priority. If the USCG wishes to collect this information, a separate question can be used:

- **IF BODIES OF WATER=OCEAN THEN ASK MULTIPUNCH**

When the boat was on the ocean, did it spend time:

- Within three miles of shore?
- Between three and ten miles from shore?
- More than ten miles from shore?

**Recommendation 34.** Change the types of water series to be two independent questions about fresh/saltwater and bodies of water as specified above.

**Consideration 9.** If the location on the ocean is particularly important, also ask the distance-from-shore question specified above.

### 5.2.10. **Boat operation**

The question ‘did you operate the boat on that day’ was relatively easy for respondents to understand. Two interviewers suggested adding the word ‘personally’ to improve flow.

The question should be skipped for owners who were not on the boat personally or for boat trips where only the owner was present.

**Recommendation 35.** Change ‘did you operate the boat’ to ‘did you personally operate the boat’.

**Recommendation 36.** Skip the series except boating experience if owner was not present or if owner was present and WPPL=1.
5.2.11. **Boat operation experience**

This question was difficult for respondents to answer on this survey and on the Boat Survey. In Round 2, an alternative set of answer choices was tested. On this as on the Boat Survey, all respondents gravitated toward the top item on the scale. On the Boat and Trip Surveys, a few respondents mentioned that they could use a numeric scale with more range, but all indicated that they would use 7, 8, 9 and 10 of a 10-point scale. This does not seem to reduce the problem of restricted range.

For this question, instead of obtaining a self-reported measure of experience, the USCG may wish to consider asking for the number of years of experience the owner has operating this type of boat. This more objective measure may provide better variance.

*Consideration 10.* Consider replacing experience question on Boat Survey and Trip Survey with ‘How many years of experience do you have operating this type of boat?’.

5.2.12. **Other operators**

Two respondents had been on trips where other people operated the boat. Using ‘first’, ‘second’, ‘third’ operator as an identifier was only moderately successful. Using ‘the first person other than you’, ‘the second person other than you’, etc. might work better since it will anchor the count in an event—the time of operation of the boat.

The survey asks two questions about each other operator: age and experience. Respondents had to guess at the ages of the other operators. Here, the broad response categories used on the U.S. Census would be appropriate except that the USCG is particularly interested in the set of people who are under 16. The following question could replace the age question:

*How old was the first person other than you who operated the boat?*

- 5 or younger,
- 6 to 10
- 11 to 15
- 16 to 17
- 18 to 24
- 25 to 34
- 35 to 44
- 45 to 54
- 55 to 64
- Over 65

*DK*
The experience question in this section should be the same as the experience question for the owner of the boat.

Recommendation 37. Instead of ‘first’, ‘second’, ‘third’, use ‘first person other than you who operated the boat’ etc. as the identifier in this series.

Recommendation 38. Replace the open age question in this series with the age question above.

Recommendation 39. Make sure that the experience question in this section matches the final experience question asked of owners about themselves.

5.2.13. Alcohol questions

The alcohol questions tested successfully. One respondent had had an alcoholic beverage on shore in between boat trips on the same day. Since this kind of consumption could affect the safety of boat operation, we recommend adding “before or during” to each of these questions.

No respondent said he or she was uncomfortable answering the questions, but several respondents to this and other surveys in the series thought other people might be made uncomfortable. One respondent said that he did not have any alcohol but revealed on probe that he had had a beer. An additional statement about confidentiality before this section might help respondents provide accurate answers.

Recommendation 40. Add “The next questions ask about activities you engaged in on that day. All your responses are anonymous and confidential” to the beginning of this section.

Recommendation 41. Change the questions to read “On that day, did anyone on the boat drink alcohol before or during the trip on the water” and “On that day, did anyone drink alcohol before or during operating the boat?”.

5.2.14. Life jackets

The life jackets series was very difficult for respondents. Even extremely experienced boaters did not know what types of lifejackets they carried or had at home. The original form of this question includes pictures, which would have been very useful. For the web version of the trip report, there will be pictures of lifejackets.

To ensure that some information is collected about the number of lifejackets even if the respondent does not know the types, a question asking how many total lifejackets were on the boat should appear immediately after “Were there lifejackets or preservers on the boat during that day?”. In Round 1, interviewers observed the following:

- Respondents did not think of life preservers when they counted their life jackets.
- Respondents knew what throwable devices were, but the specific distinctions between near shore, far shore, and other types of vest were difficult for them to understand.
For Round 2, the questions were changed so that an initial question asked what kinds of jackets there were and then a follow-up question asked how many of each. This helped some, since respondents could compare answer choices within the question, but respondents were still largely unable to specify the kinds of jackets they had. Some went and looked and found that they had incorrectly specified them on the phone.

The Round 2 version of the questions was easier to ask than the Round 1 version, but respondents were not notably more able to provide accurate information. For the web version of the survey, this question should not pose problems. Respondents tended to talk about jackets in terms of how comfortable they were, what they looked like, and what they were used for. The pictures in the visual version of the survey should make the question easy to answer. However, without those pictures, data collected on this question will probably not be accurate.

Recommendation 42. Add a question to ask how many total life preservers were on the boat.

Recommendation 43. Add a question to ask how many total life jackets were on the boat.

Recommendation 44. Eliminate the life jackets types questions for the telephone version but not the web version of the Trip Survey.

5.2.15. Wearing lifejackets

Respondents answered the question about wearing their own lifejackets easily. We probed to see whether respondents would be uncomfortable answering these questions honestly. Most respondents were emphatic that they would not be.

The children’s lifejacket series was somewhat cumbersome. A skip question here would be useful. Immediately after WPPL, the survey can ask:

**IF THE OWNER WAS ON THE BOAT AND WPPL>1 OR IF THE OWNER WAS NOT ON THE BOAT THEN ASK**

WKIDS How many children under the age of 16 were on the boat?

ENTER RESPONSE (0-10)

DK

REF

Then, this section can be asked only if there were children on the boat (WKIDS>0).

In general, loops in this survey worked better if they asked all the gate questions first and then asked a second question about all the endorsed items. For this series, the pattern would be:

**IF WKIDS>1 THEN ASK**

How many children were on the boat who were:

<table>
<thead>
<tr>
<th>WKID5</th>
<th>less than 6 years old</th>
</tr>
</thead>
<tbody>
<tr>
<td>WKID10</td>
<td>6 to 10 years old</td>
</tr>
<tr>
<td>WKID15</td>
<td>11 to 15 years old</td>
</tr>
</tbody>
</table>
Record number for each

If WKID5>0 then ask
How many of the children who were less than 6 years old wore a lifejacket all the time?

If WKID10>0 then ask
How many of the children who were 6 to 10 years old wore a lifejacket all the time?

If WKID15>0 then ask
How many of the children who were 11 to 15 years old wore a lifejacket all the time?

One respondent pointed out that USCG guidelines for lifejacket use include specifications about when children are below decks, etc. The USCG may wish to consider whether to include these specifications in the questions.

There is one question in this series about other adults on board the boat. The logic of this question should be changed so that it is based on there being other people on board than the owner and there being more people than children reported at WKIDS.

Recommendation 45. Add a question about how many children were on the boat after WPPL.

Recommendation 46. Reorganize the children loop so that all ages are asked about first.

Recommendation 47. Change the logic for the question about other adults on the boat so that it is asked if the total number of people on the boat (WPPL) is greater than the owner (if he/she was on the boat) plus the number of children (WKIDS).

Consideration 11. Consider including specifications from USCG guidelines in the children’s lifejacket questions as in ‘how many of those children wore a lifejacket all the time they were above decks?’

5.2.16. Reasons for lifejacket use

The questions about reasons for lifejacket use tested successfully in both rounds of interviewing. Most respondents said that the jackets were uncomfortable or that they did not have to wear them, so they did not.

5.2.17. Safety equipment

Safety equipment for the boat was largely recognized by respondents. However, “safety rope” was not an easily-recognized term; three respondents did not know how this differed from the lines or ropes they kept on their vessels. Respondents understood what visual and sound signals were, but one suggested adding some clarification about what these are specifically. One respondent also pointed out that some equipment (such as flares) expires; thus, USCG may wish to consider specifying a qualifying age for some equipment.
In Round 1 of testing, an initial question asked what safety equipment was on board, and then a second series asked whether any of the items had been used. Because negative events are rare, this was cumbersome. In Round 2, an alternative was tested. The same series of questions was asked to identify which items were on the boat, but then the follow-up question was:

> You indicated that you had a

**SHOW ITEMS ENDORSED ABOVE**

- First aid kit
- Safety rope
- Equipment for reaching someone in the water
- Fire extinguisher,
- Visual distress signal
- Sound signal
- EPIRB

Did you use any of those on the day we’ve been talking about?

- YES
- NO
- DK
- REF

**IF YES, THEN ASK**

Which ones?

[DO NOT READ]

SFFA_USED FIRST AID KIT
SFROPE_USED SAFETY ROPE
SFHOOK_USED EQUIPMENT FOR REACHING SOMEONE IN THE WATER SUCH AS A BOAT HOOK
SFEXT_USED FIRE EXTINGUISHER
SFVDIST_USED VISUAL DISTRESS SIGNALS
SFSDIST_USED SOUND SIGNALS
SFEPIRB_USED EMERGENCY POSITION INDICATING RADIO BEACON-EPIRB

This series worked well except that one respondent had used ropes and hooks for another purpose. He suggested asking “Did you use any of those for safety purposes on the day we’ve been talking about?”.

*Recommendation 48. Remove ‘safety rope’ from the list of safety equipment.*

*Recommendation 49. Add ‘such as a flare’ to ‘visual distress signals’ in the initial question.*
Recommendation 50. Add ‘such as a horn’ to ‘sound signals’ in the initial question.

Recommendation 51. Change the follow-up questions to be less cumbersome as tested in Round 2.

Recommendation 52. Specify use ‘for safety purposes’.

Recommendation 53. Skip safety equipment question for canoes and kayaks.

Consideration 12. Consider specifying that equipment that expires, such as flares, should be up to date.

5.2.18. Negative events

In two interviews, it came up that the negative events are irrelevant to kayak, canoes, and inflatable boats. One kayak owner had deliberately flipped the boat and did not know if that counted as ‘someone fell overboard’. In fact, it seems that these questions should be asked only of boats with motors or sailboats as these are the types of boats that can have accidents of the types listed that result in serious financial cost or loss of life.

One respondent early on had recently run his boat aground and had to call authorities to pull him out. He did not know whether this counted as hitting a ‘submerged object’. Even if the event of running aground is not of interest to USCG, including it here will ensure that respondents do not sometimes count this event as hitting a submerged object. This item was tested successfully in Round 2 of interviewing.

One respondent suggested adding hitting floating objects to the list. The USCG may wish to consider this modification.

The specific wording of the items was inconsistent with respect to tense and somewhat longer than necessary. A recommended revised series appears below:

ASK IF BOAT HAS A MOTOR OR BOAT TYPE=SAILBOAT

On that day...

ACC_COLV Did the boat collide with another vessel?

Did the boat run aground?

ACC_COLF Did the boat collide with a fixed or submerged object?

ACC_FLD Did the boat capsize, flood, or swamp?

ACC_OVBRD Did anyone fall overboard?

ACC_SKI Was there a water-skier accident?

1 YES
2 NO
DK
REF
Recommendation 54. *Streamline negative event wording.*

Recommendation 55. *Skip negative events for boats that are not sailboats and do not have motors.*

Recommendation 56. *Add ‘run aground’ to negative events.*

Recommendation 57. *Reorder negative events to improve flow.*

Consideration 13. *Consider adding collision with floating objects or debris to negative events list.*

5.2.19. **Damage to people and vessels**

None of the trips profiled in the test had qualifying negative events. However, interviewers did talk to respondents about times when they had experienced negative events. One respondent pointed out that serious injury on boats can be related to boating or fishing equipment and the survey would not detect these events. He used the example of serious injuries from fish hooks. The USCG may wish to consider whether injuries that are not associated with these negative events are important to any of the survey goals. If they are, then the questions about damage to people and vessels could be reworded and asked of all respondents.

Consideration 14. *Consider whether all injuries are of interest, and, if they are, modify the damage to people and vessels questions to be asked of all respondents.*

5.2.20. **Trip expenditures**

The survey before this section focuses on one day. In this section, the questions are about all the time the respondent spent away from home on the trip that included that day. For Round 1, no introductory text was used. This worked for day trips but not for longer trips. After some initial probing in Round 1, the following text was tested in Round 2:

*Next, I’d like to talk about all the time you spent away from home that included the day on the water we’ve been talking about. These questions are about the time from when you left your house until you returned home again, which could be just the day or, or it could be several days.*

With this specification, it was possible to streamline the text of several questions, removing statements like ‘on the trip that included the day we have been talking about’.

During testing, some questions about the flow of this section came up. As a result, minor modifications are recommended including:

Recommendation 58. *Move TRPDIST to follow TRPUNQ and delete L20MILE.*

Recommendation 59. *Add a skip for TRPMOT based on HASMOT from the Boat Survey.*

Recommendation 60. *Skip expenditures question if the answer to STYAWY is not yes.*

Recommendation 61. *Skip boat fuel expenditures questions for boats that do not have motors.*
**Recommendation 62.** Skip docking and launch expenditures questions for boats that are canoes, kayaks, and inflatables.

**Recommendation 63.** Skip restaurant meals, shopping and souvenirs, recreation and entertainment, and expenditures on lodging question in the first series if distance from home is >20 because one cannot spend on lodging before one leaves home.

**Consideration 15.** Consider eliminating auto gas question and using TRIPDIST to calculate mileage since respondents did not know how many gallons of gas they had used.

In this section, the launch location question posed a challenge for boaters. First, the term ‘launch’ applies only to boats that are trailered to the target location. A skip restricting this question to powerboats would make the response more appropriate. Second, respondents had difficulty understanding the response options. The USCG may consider clarifying these options to target more specific information about launch locations.

**Recommendation 64.** Skip launch locations question for boat that are not powerboats.

**Consideration 16.** Clarify the response options for launch locations so that locations are mutually exclusive and easy to understand on the phone.

Several respondents were unable to provide answers to several of the items on the list. Recall for small expenditures up to a month after the trip may be limited.

6. **Participant Survey**

The Participant Survey assessed the amount of time the respondent and their family spent on recreational boats in the past year, types of activities taking place on recreational boats, and some health/safety-related questions.

6.1. **Survey Structure**

The original survey was composed of three sections:

- The first assessed the respondent’s level of participation in all types of boating and the participation of every member of the household.
- The second section involved boating safety and awareness behaviors of adults and children in the family.
- The final section detailed activities done on boats in 2009.

6.1.1. **Additional question regarding ownership**

It is clear that owners of boats are likely to behave very differently with respect to safety and awareness and level of involvement in boating than non-owners of boats. For example, they are required by law in some states to take boating safety courses, are required to own lifejackets, etc. The survey as it stands does not ask this question, and it would be important
for assessing the significance of the safety and awareness behavior data later in the questionnaire.

Recommendation 65. Add a question about boat ownership to the household enumeration series.

6.1.2. Restructuring family enumeration and participation series

All respondents were asked to answer questions about each member of their household. These questions included age, gender, and participation in boating.

After receiving feedback from two of the respondents who were confused about the sequence of questions in the family participation loop, we modified the questionnaire so that participant age/gender are asked in one loop, and participant boating experience is asked in a second loop. As a result, most participants had no difficulty with this series of questions. Testing also suggested that ownership and usage questions should precede family enumeration and participation questions. As the survey is currently designed, there are some questions that do not apply to people who only own, or have only used, kayaks or canoes. For example:

P1DOCKA. In 2009, was there any day when you spent more than an hour on a recreational boat while it was not on the open water when you were not preparing to launch the boat?

Recommendation 66. Enumerate household members by age/gender first and then collect information about their boating participation.

6.1.3. Streamlining questionnaire for kayak and canoe users

For respondents who use kayaks and canoes, the boats are too small to spend time on when not underway. A typical comment was: “what would I be doing at a dock in my canoe?”. One other respondent who owned a motor boat also felt that this would not apply to canoe users or kayakers.

P1BTA. Remember that recreational boating includes boating in kayaks and canoes and fishing from boats. In 2009, was there any day when you went out on the water in a recreational boat?

Respondents who were already known to own a canoe or kayak (on the basis of sampling) also felt that being reminded to include these in this estimation of boat usage in the first part of question P1BTA is redundant.

Recommendation 67. Respondents who only own or use kayaks or canoes should skip P1DOCKA.

Recommendation 68. The first statement should be deleted from P1BTA for respondents who only own, or use, kayaks or canoes.
6.1.4. Rental boat series

It is necessary to collect trip reports from respondents who have spent time on rented boats because exposure on these boats cannot be measured in any other way. However, the Trip Survey was tested separately from the Participant Survey. Refinements made to the Trip Survey were integrated into the rental boat series at the end of the Participant Survey which now:

- Collects information on the types of boats rented in the year
- Randomly selects one boat type
- Asks about the last trip on the selected boat type

Because the reference period for the Participant Survey is a whole year, randomly selecting a trip is not feasible.

Recommendation 69. Collect information about the most recent trip on a randomly selected type of boat rented.

6.2. Survey Questions

Many respondents felt that more information should be given during introductory statements as to the survey’s purpose. Most assumed that the aim of the survey was about “safety” because of the U.S. Coast Guard’s involvement. Several suggested that the survey’s purpose should be made clearer. One respondent remarked that the “legalese,” meaning the informed consent statement, without a clear description of survey content led to concerns of the intrusiveness of the survey. Another person inquired about the “fall out,” from these questions, specifically what the U.S. Coast Guard would do with this information and what the impact on the respondent would be.

Consideration 17. Review whether a statement regarding the purpose of the survey and the potential use for the data should be added.

The majority of respondents also felt it would be helpful to emphasize that the survey applies to people with all levels of boating experience. Otherwise people who do not frequently boat may not feel that the survey applies to them. One respondent also suggested that a timeframe be added, so that people who had not boated recently would know whether they were eligible or not.

Recommendation 70. Add a statements for the interviewers’ use : “We are looking to speak with people with a wide range of boating experiences.” Or “this survey is about safety for everyone who participates in recreational boating.”

6.2.1. Boating participation section

All respondents understood recreational boating and could reliably recall their participation in recreational boating in the past year. One respondent felt that a distinction should be made between “charter” and “renting” a boat, because other people might be confused by this distinction.
No respondents were bothered by the age question, although some said that they thought other people may be made uncomfortable. One respondent suggested adding a statement about why gathering this information is important.

Most respondents accurately included themselves in the enumeration of household members. Only one respondent had trouble with the family enumeration, saying that he was not sure if this included himself or just applied to the other people living in the household. Another was not sure what would be considered “living in the household” and wanted to know if people temporarily living in the house should be considered.

*Recommendation 71. Add a statements for the interviewers’ use: “We are asking about all people who have lived in your house in the past year, whether they still reside there or not.”*

Most respondents were avid boaters and could easily recall multiple instances of recreational boat use. One respondent felt that the wording was odd. He thought this question was directed at kayakers and canoe users, and then it switched to applying to all boats, so he felt this was awkward.

One respondent noted that he felt that P1BTA was duplicative of BT1 (the screener question). The question text is listed below:

\[
\text{Bt1. Did you or anyone else in your household spend any time on recreational boats during 2009?}
\]

\[
\text{P1BTA. Remember that recreational boating includes boating in kayaks and canoes and fishing from boats. In 2009, was there any day when you went out on the water in a recreational boat?}
\]

Those who volunteer that they own a canoe or kayak also felt that being reminded to include these in this estimation of boat usage in the first part of question P1BTA is redundant.

*Recommendation 72. Delete the first sentence and add an “if necessary” statement: “Remember that recreational boating includes kayaks, canoes, as well as larger boats like powerboats and sailboats”.*

*Recommendation 73. Add a probe that says “We are asking only about your participation in boating”.*

Over half the respondents had great difficulty with P1DOCKA. It was revised early in the pre-test, but the question remained problematic. The original text and its revisions are presented below:

\[
\text{V1. In 2009, was there any day when you spent more than an hour on a recreational boat while it was not on the open water when you were not preparing to launch the boat?}
\]

\[
\text{V2. In 2009, was there any day when you spent more than an hour on a recreational boat while it was not on the open water?}
\]

In both instances, people were confused about the meaning of this question.
Respondents who received the first version felt that it did not apply to large boat owners as “launch” refers to taking a boat off a trailer and putting it in the water. When this segment was deleted, people remained confused about what “open water” referred to.

One typical comment was “where is the boat supposed to be in this question?”. Several respondents thought that “at mooring” or “at anchor;” or “on a boat, at dock or at anchor” may be a suitable replacement for “not on the open water”. One other respondent suggested “when it wasn’t underway” as a wording change. One respondent considered “anchored in a cove while crabbing or for recreation” as “docked”. The same respondent perceived a distinction between “open water” and in a “protected cove,” considering a protected cove to be the same as “docked.”

Owners of larger boats often reported socializing on their boats at dock. However, for respondents who used smaller boats, e.g. kayaks and canoes, there is not a lot of time spent on the boat when it is not underway. The latter group of respondents was particularly confused by this question. A typical comment was: “what would I be doing at a dock in my canoe?”. One other respondent who owned a motor boat also felt that this would not apply to canoe users or kayakers.

Consideration 18. Review whether this question should ask about all times that the boat is not moving or only when the boat is tied at a dock. If the latter is preferred, there should be a definition of “at dock” given.

6.2.2. Family enumeration and participation

All respondents were asked to answer questions about each member of their household. These questions included age, gender, and participation in boating.

One respondent asked if he should consider the age of the child at the time they were boating (e.g. the age during the summer) or their age at the time of the survey. The same respondent said that it is redundant to ask about each person when the trip was a family outing. One respondent was confused about his place in the series, suggesting that a probe may be needed to remind the respondent that this series refers to the members of the household and not to the respondent.

Recommendation 74. Add a statement for the interviewers’ use that says “For this question, we are asking only about [identifier]’s participation in boating”.

Recommendation 75. Have an identifier fill for just one other household member here. It should be ‘the other member of your household’ at PNSEX and then he/she going forward.

6.2.3. Boating safety awareness and behaviors

All respondents reporting owning at least one lifejacket, and several volunteered that they owned multiple types of life jackets (e.g. life vests, sport life jackets, adult or child life jackets) and gave totals for each. All but one was very confident in the number of lifejackets that they own. The range of responses was from two to 18 total lifejackets. Two respondents wanted to
know if the question should not ask how many lifejackets are kept on the boat, or if both should be asked. Lifejackets kept on the boat is measured in another NRBS survey. The interviewing team understands USCG’s goal with this question to be to measure household lifejacket ownership. Another respondent asked if the question would be easier to understand if it specified whether anyone in the household owned the life jackets, rather than asking at the household level.

Recommendation 76. Current wording: does your household own any life jackets? Suggestion: Does anyone in your household own any life jackets?

6.2.4. Child safety behavior

Respondents with a child or children were asked a series of questions about one selected child’s experiences boating, specifically with boating safety courses and with lifejackets.

Many respondents were confused by the definition of “boating safety course,” and several assumed that this just referred to USCG-sponsored safety courses. For example, one respondent sent his child to “sailing camp” and thought that there were safety elements covered there, but he did not know if that would be considered a “boating safety course.” Further, respondents with very young children were confused about this question and said it was not applicable. For very young children, these courses, if available, are more about teaching the child to swim rather than teaching them boating safety. Finally, one respondent with an 18 month-old child felt this question also did not apply.

Consideration 19. Review these questions and add a definition and/or modify the question to define what is considered a boating safety course—suggestion from the USCG website “taught by qualified USCG volunteer organizations, such as the U.S. Coast Guard Auxiliary, U.S. Power Squadron, or taught by a state boating agency”.

Consideration 20. Review whether it makes sense to skip this question for parents of very young children who may not be eligible to, or capable of, taking a boating safety course.

All respondents with children who participate in boating reported that their children always wore lifejackets. However, when asked for clarification, two respondents who owned large boats said that their children do not wear lifejackets when the boat is not moving. For example, one respondent asked “She doesn’t wear it when we sleep on the boat but otherwise she does. Are we asking about sleeping too?”.

Consideration 21. Review whether a clarification statement should be added that assesses whether this question is asking about all times the child is on a boat, or only when the boat is moving.
6.2.5. Types of boats

The types of boats questions were similar in the Boat and Participant Surveys. In addition to the issues discussed regarding these questions above in the Boat Survey section, some term confusing occurred in the Participant Survey. The word “powerboat” confused at least two respondents. The confusion was related to boat size in both cases. One respondent appeared to understand the categories but added “small fishing boat” under “something else.” When asked, he described a small flat-bottomed aluminum boat that did have a small motor but was so small that he did not really consider it a “powerboat”. Another respondent volunteered that he thought his small fishing boat would be a powerboat given our response options but would not have classified it this way himself because it is so small. However, all respondents felt like a personal water craft, which is very small, would count as a powerboat.

Categories of powerboats were more difficult. Several respondents were confused about “open motorboat,” not understanding whether it referred to a type of motor or to the structure of the boat. One respondent thought it was an airboat; one guessed that it meant a “classic style old wooden boat” without much protection from the elements. The latter respondent clarified that “bow riders” are sometimes called “open bow boats.” This respondent could see “open bow” and “open motor” being confused. Several respondents mentioned that people may think differently about powerboats based on their length – for example a motorized dingy and powerboat would not be considered the same thing. One less experienced boater did not know what a jet boat was, if this was the same as a speed boat, and did not know what an airboat was. Several respondents suggested that definitions would be helpful.

Recommendation 77. Add probes for definitions of powerboats; add a probe that addresses the length and size issue with powerboats.

Categories of sailboats were also confusing to sailboat-using respondents, specifically the category “auxiliary sailboat”. In the Boat Survey section, a change to the response option was recommended. In addition to that change, the results of the Participant Survey section suggest the need for an additional clarifying statement.

Recommendation 78. Change the response option to “sailboat with a motor” or add a probe that defines “auxiliary sailboat”.

Categories for other boats were also not clear to participants. Respondents were confused about whether “other boats” refers to the “other” category previously referenced or if it refers to “all other boats aside from powerboats and sailboats”. One respondent included inflatable rafts in his response. He suggested adding a definition of a boat as one that “would be distinguished by license/registration status”. Another respondent felt that people might be confused if a canoe is a rowboat; this respondent also wanted to know why canoe or kayak was not asked here.
6.2.6. Activities while boating in 2009

Respondents were asked to spontaneously generate a list of activities that they participated in while boating in 2009 and then to use the answer choices we provided to indicate the same. The table below presents the answer choices we presented and the answers that respondents spontaneously generated.

<table>
<thead>
<tr>
<th>Answer Categories</th>
<th>Respondent Generated categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cruising</td>
<td>Cruise the lake</td>
</tr>
<tr>
<td>Sightseeing or nature observation</td>
<td>Take pictures/sightseeing</td>
</tr>
<tr>
<td>Fishing or Crabbing</td>
<td>Fishing</td>
</tr>
<tr>
<td></td>
<td>Picnicking</td>
</tr>
<tr>
<td></td>
<td>Fireworks</td>
</tr>
<tr>
<td></td>
<td>Boat parades</td>
</tr>
<tr>
<td>Waterskiing, wakeboarding, or Tubing</td>
<td>Tubing/wakeboard/kneeboard/ waterskiing</td>
</tr>
<tr>
<td>Swimming/Diving</td>
<td>Swimming</td>
</tr>
<tr>
<td>Racing</td>
<td>Racing</td>
</tr>
<tr>
<td></td>
<td>Sailing</td>
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<tr>
<td></td>
<td>Socializing</td>
</tr>
<tr>
<td></td>
<td>Dining</td>
</tr>
<tr>
<td></td>
<td>Paddling</td>
</tr>
<tr>
<td>Hunting</td>
<td>Duck hunting</td>
</tr>
<tr>
<td></td>
<td>Commuting /transit</td>
</tr>
<tr>
<td>Fishing or Crabbing</td>
<td>Crabbing</td>
</tr>
<tr>
<td>Sunbathing</td>
<td>Tanning</td>
</tr>
<tr>
<td></td>
<td>Sleeping</td>
</tr>
</tbody>
</table>

Respondents had some feedback on some of our response options, presented below.

- **Relaxing alone or with friends**: Several respondents felt that this response option described a more passive, quieter level of activity than the socialization that they do on their boats. Some examples of their activities were dining, dancing, “happy hour,” socializing. It also did not describe sleeping, which users and owners of large boats reported as an activity.

  *Recommendation 79. Add a category such as “socializing, eating or drinking” that will cover more active social activities.*

- **Quiet Water Paddling**: Several respondents expressed confusion over the word “quiet.” One asked if it referred to the speed of the water or the noise generated during the paddling. Another said “no, I paddle but it is never quiet”.


Recommendation 80. Remove “quiet” from this response option.

- **Sailing:** Several respondents felt that this was an activity and should be added to the list.

Recommendation 81. Add “sailing” as a response option.

- **Scuba Diving/Snorkeling:** One respondent wondered why this and swimming/diving were given as separate activities, when presumably one dives in all of these situations.
- **Whitewater Boating:** One respondent was confused by this category as separate from rowing and paddling, as both of these would be done as part of whitewater boating.

Consideration 22. Consider adding definitions to these two categories to address respondent confusion.

6.2.7. Alcohol use

Almost all respondents said that people have consumed alcohol on a boat that they were on. A few pointed out that most people drink on their boats, although one respondent clarified that “there is a big difference between drinking a beer when fishing on a canoe and going out on a huge powerboat with four coolers of beer and having that be the main activity”.

There was no discomfort on the part of any respondent answering the question, although several noted that they felt it may make other respondents uncomfortable. Several noted that boating while drinking is a violation of their state laws.

Recommendation 82. Add a reminder that all responses are anonymous prior to completing this series. Use the same statement recommended for the Trip Survey.

Many also said that the operator of the boat consumed alcohol, although definitions varied on who the respondents considered the operator. For owners and users of powerboats, the operator was typically the person driving the boat and or steering the motor. Owners and users of kayaks said that they are typically the only ones in the boat, so they are the operator. For owners and users of sailboats, often the operator is the person in command of the motion of the boat, perhaps directing several people; this person may or may not be steering.

Consideration 23. Consider adding a definition of operator, e.g. “the person with the primary responsibility for operating the boat,” to this question.

None of the respondents were uncomfortable with this question, but most again reiterated that others may feel uncomfortable. One respondent wanted to know if this question applied to when the boat was docked or when it was underway.

When asked if they have ever been on a boat where the operator was impaired, only a few respondents answered in the affirmative. One added that there should be a distinction between being impaired when the boat is docked and being impaired when the boat is underway. Another respondent pointed out that “impaired” is a self-definition, and few people would consider themselves or others “impaired,” so the answers may be biased.
6.2.8. Boat rental

No respondents had any trouble with the series of questions pertaining to whether they rented boats in 2009. The only request was the there be a definition added for what qualifies as chartering a boat and what is a boat rental.

*Consideration 24. Adding definitions for charter boats and rental boats to be read to respondents as needed.*

The Trip Report associated with rented boats was not tested as part of the Participant Survey test. The revised questions associated with water trips from the Trip Survey were included in the revised recommended survey in the Appendix to this report.
APPENDIX 1: BOAT SURVEY

COGNITIVE INTERVIEWS GUIDE ROUND 1

INTERVIEWER: THE PROBES PROVIDED HERE ARE JUST SUGGESTIONS. PLEASE FEEL FREE TO PROBE FOR OTHER CONCEPTS OR CONFUSIONS AS APPROPRIATE OR TO CHANGE YOUR PROBES.

IN GENERAL, WE NEED TO KNOW HOW WELL RESPONDENTS ARE UNDERSTANDING THE TERMS IN THIS SURVEY AND WHETHER THE TERMS THEY THINK OF IN RESPONSE TO THE QUESTIONS ARE THE SAME ONES WE HAVE IN OUR LISTS.

Study of Boating Questionnaire

Informed Consent Form

To begin, let me read you some information about what we're doing here today.

**Purpose:** The US Coast Guard is seeking feedback on questionnaires proposed for the National Recreational Boating Survey. ICF Macro has been selected to conduct cognitive interviews to evaluate these survey instruments for the US Coast Guard.

**Subjects:** For this study, the US Coast Guard is conducting one-on-one interviews with people who are familiar with boating. Discussion will be led by a member of the research team and will involve questions regarding boats, boating trips, and boating participation. Findings will be used to improve the proposed questionnaires.

You have been selected because you are presumed to be representative of the US Boating population.

**Benefits & Risks:** There are no direct benefits of participation. However, participating in the research may increase your awareness of your personal behavior and its potential health risks. The answers you give can help improve the National Recreational Boating Survey which could potentially help the Coast Guard identify and address common boating related issues common to the public. Potential risks are minimal. They may include discomfort or embarrassment associated with revealing personal information. In the event that the discussion raises some difficult feelings for you, you can stop or not answer a particular question. You may also stop the interview at any time.

**Confidentiality:** Participation in this study is voluntary, and your refusal to participate will involve no penalty or loss to the benefits to which you are entitled.
Only the researchers and fellow participants will know your answers and comments during the discussion. The discussion may be taped for accuracy. A code will be used as an identifier on transcripts. No identifying information will be provided in any publication and the data will be written so as to disguise your identity and maintain confidentiality. Nevertheless, you may be able to recognize the material in text as coming from your interview. Others who did not participate in the discussion should not be able to identify it. The researcher is mandated to report to the proper authorities suspected child abuse, and any indications that you are imminent danger of harming yourself or others.

Voluntary Participation: There is not penalty for choosing not to participate or for choosing to stop the interview at any time. You may choose not to answer a question for any reason.

Length of Participation: The discussion should take no more than one hours. You will not be recontacted for additional information after completion of the group.

Contact Information: If you have any questions about this study, please contact:

Seth Muzzy  
Macro International  
116 John Street, New York City  
telephone: (212) 941-5555

Or you may contact the Macro International Institutional Review Board if you have questions about your rights as a subject:

Renee Agee, Macro International IRB representative  
telephone: (301) 572-0200

DO YOU UNDERSTAND WHAT I JUST READ TO YOU?  
DO YOU HAVE ANY QUESTIONS?  
CONSENT READ AND AFFIRMED [INSERT DATE] [INSERT TIME]
OK

Today I’m testing a survey we’ll be using to collect information about people’s boats. This survey will be carried out on the phone with people all over the country. For the questions about your boats, please answer them as you would if you were on the phone with an interviewer.

Is it OK if I record this interview so I can listen to it later?

We are interested in your answers, but also how you go about making them. After you answer the questions, I may ask you questions about them.

Please tell me if there are words you don’t understand, or if the question doesn’t make sense to you, or if you could interpret it two ways, or if it seems out of order, or if the answer you are looking for is not provided.

The more you can tell us, the more useful it will be to us as we try to develop better questions. Okay? Do you have any questions before we start?

AGEQUALc. Are you at least 16 years of age?

YES
NO
DK
REF

BS1

Do you, or does anyone in your household own any boats?

1 YES
2 NO
DK
REF

BS2

How many?

RECORD NUMBER 1-10 ____________

IF NUMBER OF BOATS=0 THEN TERMINATE
IF NUMBER OF BOATS>0 THEN CONTINUE

BS3

In the past year, have you used [your boat/any of your boats] for any purpose that makes money such as guiding tours or commercial fishing?

1 YES
INFO. You are eligible to be interviewed. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about one hour. The United States Coast Guard is interested in how boats are used.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

[IS RESPONDENT CONTINUING WITH THE INTERVIEW?]

1. YES
2. NO

PROBE: DO YOU HAVE ANY QUESTIONS ABOUT WHAT I JUST SAID?

PROBE: WAS THERE ANYTHING CONFUSING?

PROBE: HOW DOES THIS INFORMATION MAKE YOU FEEL ABOUT THE SURVEY?
INTERVIEWER, READ EACH OF THE QUESTIONS FROM HERE TO ‘BOAT DETAILS’ FOR EACH OF THE BOATS.
IF THE NUMBER OF BOATS IS 1, THEN SAY ‘YOUR BOAT’ IN THE QUESTIONS
OTHERWISE, START WITH THE LONGEST BOAT, AND THEN SAY ‘YOUR SECOND
LONGEST BOAT’, ‘YOUR THIRD LONGEST BOAT’, ETC UNTIL THE LAST ONE
FOR THE LAST BOAT, SAY ‘YOUR SHORTEST BOAT’
ASK THE PROBES DURING THE FIRST LOOP ONLY. USE THE LATTER LOOPS TO TEST
THE REFERENCE IDENTIFIERS (E.G., ‘SECOND LONGEST BOAT’)

REG_X

Not all states require boats to be registered. What is the registration status of your
[boat/longest boat/second longest boat/shortest boat]? Is it…

IF NECESSARY: Only a few very large boats are documented with the US Coast Guard.

1 Registered or Documented with the US Coast Guard, or
2 Unregistered

PROBE: WHAT DID YOU THINK ABOUT WHEN YOU SAID THAT YOUR BOAT IS ___________

REGST_X

In which state or territory is [boat/longest boat/second longest boat/shortest boat]
registered?
SELECT STATE OR TERRITORY
DOCUMENTED BUT UNREGISTERED
DK
REF

NOTE CONFUSION
KIND OF BOAT

CATX What type of boat is [boat/longest boat/second longest boat/shortest boat]?

_______________________

PROBE: WHAT OTHER TYPES OF POWERBOATS ARE YOU FAMILIAR WITH?
PROBE: WHAT SPECIFICALLY MAKES YOUR BOAT A ________?

INTERVIEWER…IF THE RESPONDENT’S ANSWER IS NOT IN THE BELOW, ASK THE QUESTION.

Is it…

1 A powerboat,
2 A sailboat,
3 A personal watercraft such as a jetski,
4 Canoe,
5 Kayak, or
6 Something else?

98 DK
99 REF
**IF IT IS A POWERBOAT**

TPpX What kind of powerboat is [boat/longest boat/second longest boat/shortest boat]?

______________________________

PROBE: WHAT OTHER TYPES OF POWERBOATS ARE YOU FAMILIAR WITH?
PROBE: WHAT SPECIFICALLY MAKES YOUR BOAT A _________?

**INTERVIEWER...IF THE RESPONDENT’S ANSWER IS NOT IN THE BELOW, ASK THE QUESTION.**

Is it…

01 Airboat
02 cabin motorboat
03 Houseboat

IF NECESSARY: We mean time on a houseboat when it was actually in transit on the water.

04 Jet boat
05 Open motorboat
06 Pontoon boat

98 DK
99 REF

PROBE: WHAT DID YOU THINK ABOUT WHEN DECIDING THAT YOUR BOAT WAS A

________________________
**IF IT IS A SAILBOAT**

TPSX What kind of sailboat is [boat/longest boat/second longest boat/shortest boat]?
Is it…

PROBE: WHAT OTHER TYPES OF SAILBOATS ARE YOU FAMILIAR WITH?
PROBE: WHAT SPECIFICALLY MAKES YOUR BOAT A ________?

INTERVIEWER...IF THE RESPONDENT’ S ANSWER IS NOT IN THE BELOW, ASK THE QUESTION.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Auxiliary sail</td>
</tr>
<tr>
<td>02</td>
<td>Sail only</td>
</tr>
</tbody>
</table>

PROBE: WHAT DID YOU THINK ABOUT WHEN DECIDING THAT YOUR BOAT WAS A ________

**IF THE RESPONDENT SAYS ‘OTHER’ TO TYPE OF BOAT**

TPOX Is [boat/longest boat/second longest boat/shortest boat] a…

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Rowboat, or</td>
</tr>
<tr>
<td>2</td>
<td>Inflatable</td>
</tr>
<tr>
<td>3</td>
<td>NEITHER</td>
</tr>
<tr>
<td>98</td>
<td>DK</td>
</tr>
<tr>
<td>99</td>
<td>REF</td>
</tr>
</tbody>
</table>

**IF BS3=2**

LN_X

How long is it?
ENTER LENGTH IN FEET 0-97

PROBE: WHAT DID YOU THINK ABOUT WHEN DECIDING HOW LONG YOUR BOAT WAS?
DID YOU KNOW THE LENGTH, OR DID YOU HAVE TO THINK ABOUT IT?

**BOAT USAGE**

**IF USESSN_X=1**

USE_X
Did you use [boat/longest boat/second longest boat/shortest boat] in 2009?

1  YES
2  NO
   DK
   REF

INTERVIEWER: HAVE YOU ASKED THESE QUESTIONS FOR ALL HOUSEHOLD BOATS? IF
NO, RETURN TO THE TOP OF THIS SERIES.

END BOAT ENUMERATION

The next questions are about your [boat/longest boat/second longest boat/shortest boat].

MODLYR

What is the model year of the [boat/longest boat/second longest boat/shortest boat]?

ENTER YEAR 1950-2009 ______________

DID YOU ALREADY KNOW THE MODEL YEAR OF THE BOAT?
IF NOT, WHAT DID YOU THINK ABOUT TO HELP YOU DECIDE WHAT THE MODEL YEAR WAS?

NEWUSED

When the boat was purchased, was it new or used?

IF NECESSARY: ‘USED’ COULD ALSO MEAN ‘PRE-OWNED’ OR ‘RENTED’.

NEW
USED
DK
REF

PROBE: WHICH BOAT WAS THAT?
DID YOU BUY IT FROM A DEALER OR FROM SOMEONE ELSE?

HULLMAT

Of what material is the hull of the boat constructed?

_________________________

PROBE: WHAT DID YOU THINK ABOUT WHEN DECIDING WHAT THE BOAT IS MADE OUT OF?
DID YOU KNOW THE HULL MATERIAL, OR DID YOU HAVE TO THINK ABOUT IT?
WHAT OTHER HULL MATERIALS DO YOU KNOW ABOUT?

INTERVIEWER: IF THE MATERIAL IS NOT ON THIS LIST, THEN ASK:

Is it?

Aluminum
Steel

49
Carbon fiber
Fiberglass
Rigid hull inflatable
Rubber
Vinyl
canvas
Wood, or
Another material

NOTE CONFUSION WITH TERMS

PROPULS

What is the primary means of propulsion of the boat? ___________________

PROBE: WHAT DID YOU THINK ABOUT WHEN DECIDING WHAT THE PRIMARY MEANS OF PROPULSION WAS?

DOES THE BOAT HAVE MORE THAN ONE MEANS OF PROPULSION? HOW DID YOU DECIDE WHICH WAS PRIMARY?

NOTE CONFUSION WITH TERMS
INTERVIEWER: IF THE RESPONDENT DOESN’T OFFER ONE OF THE BELOW CHOICES VERBATIM, THEN ASK THE QUESTION

Is it…

1  Human powered such as oars, paddles, or pedals
2  Air thrust
3  Propeller
4  Sail, or
5  Water jet

DK
REF

PROBE: WHAT OTHER TYPES OF PROPULSION ARE YOU FAMILIAR WITH?
PROBE: WHAT DID YOU THINK ABOUT WHEN DECIDING THAT YOUR BOAT IS _________ POWERED?

HASMOT

Does the [selected] boat have a motor?

1  YES
2  NO
DK
REF

MOTOR

Which type of motor or engine powers the boat? Do not include trolling motors.

_________________

PROBE: WHAT OTHER TYPES OF MOTORS ARE THERE?

INTERVIEWER, IF THE RESPONDENT DOESN’T GIVE A RESPONSE THAT IS ONE OF THE FOLLOWING VERBATIM, ASK…

Is it…

Inboard engine
Outboard motor, or
Sterndrive or inboard-outboard engine

PROBE: WHAT SPECIFICALLY MAKES THE MOTOR A ______________?

INTERVIEWER, IF THE BOAT HAS A MOTOR, ASK THE NEXT QUESTIONS. OTHERWISE, SKIP TO BOAT OPERATION BELOW.

MOTNUM
How many engines or motors power the boat?

RECORD NUMBER 1-3
DK
REF

MOTHP

What is the total horsepower of the engines or motors that power the boat?

IF NECESSARY: If that boat has twin 25-horsepower engines, its total horsepower is 50

RECORD HORSEPOWER 1-997

DID YOU ALREADY KNOW THE HORSEPOWER, OR DID YOU HAVE TO THINK ABOUT IT?
IF THOUGHT ABOUT IT, WHAT DID YOU THINK ABOUT TO GET THE ANSWER?

MOTFUEL

Which types of fuel are used in the boat’s primary engine?

_____________________

PROBE: WHAT OTHER KINDS OF FUEL ARE USED IN BOAT ENGINES?
IF THE BOAT HAS MORE THAN ONE ENGINE, PROBE TO SEE WHETHER THE RESPONDENT ANSWERED FOR THE PRIMARY ENGINE.

INTERVIEWER, READ TO ALL RESPONDENTS WITH MOTORBOATS. CHECK ALL THAT APPLY

Does it use…

Diesel
Electric
Gasoline
Other

END BOAT DETAILS
BOAT OPERATION

**PRIMOP**

Are you the primary operator of the boat?

1  YES
2  NO
DK  REF

**PROBE:** DOES ANYONE ELSE USE THE BOAT?

IF YES, WHAT DID YOU THINK ABOUT WHEN YOU DECIDED WHETHER YOU WERE THE PRIMARY OPERATOR?

**OWNSAFE**

Have you ever taken a boat safety course?

1  YES
2  NO
DK  REF

**PROBE:** WHAT DID YOU THINK ABOUT WHEN YOU DECIDED WHETHER YOU HAD TAKEN A SAFETY COURSE?

IF YES, WHAT KIND OF COURSE WAS THAT?

IF NO, DK, REF HAVE YOU EVER TAKEN ANY KIND OF COURSE ABOUT HOW TO USE YOUR BOAT OR ITS EQUIPMENT?

DO YOU KNOW WHO OFFERS BOAT SAFETY COURSES OR HOW YOU WOULD TAKE ONE?

WHAT KINDS OF THINGS WOULD YOU SAY WOULD BE INCLUDED IN A BOAT SAFETY COURSE?
OWNEXP

How experienced in the operation of the boat are you? Would you say…

Very experienced
Somewhat experienced
Somewhat inexperienced, or
Very inexperienced

DK
REF

PROBE: WHAT DID YOU THINK ABOUT WHEN YOU DECIDED HOW EXPERIENCED YOU WERE? HOW EASY WAS THIS QUESTION TO ANSWER?

END BOAT OPERATION

ECONOMIC IMPACT OF RECREATIONAL BOATING

MODULE—BOAT EXPENDITURES COROLLARY QUESTIONS

STORED

Where is the boat stored during the primary boating season? Is it…

On the water, or
On land

DK
REF

PROBE: WHAT DID YOU THINK ABOUT WHEN YOU DECIDED WHETHER THE BOAT WAS STORED ON THE WATER OR ON LAND? WHAT WOULD YOU SAY THE PRIMARY BOATING SEASON IS?

Do you intend to take the boat out on the water in 2010?

1 YES
2 NO
DK
REF
Was the boat transported, trailered, or hauled for the purpose of launching it in 2009?

1 YES
2 NO
DK
REF
Was the boat used outside the state where the boat is stored in 2009?

1 YES
2 NO
DK
REF

PROBE: WHAT DID YOU THINK ABOUT WHEN YOU ANSWERED THIS?
IF YES, WHERE WAS IT USED?
IS THE BOAT STORED IN MORE THAN ONE STATE DURING THE YEAR?

END MODULE—BOAT EXPENDITURES COROLLARY QUESTIONS

BOAT EXPENDITURES

Spndyr

During 2009, did you or anyone in your household spend any money on the boat? Think about expenses such as insurance, storage, motors, supplies, safety, and maintenance and repairs.

1 YES
2 NO
DK
REF

PROBE: WHAT DID YOU SPEND MONEY ON FOR THE BOAT?
During 2009, how much did you spend on:

- **SPNDBOAT**  Buying new boats with cash
- **SPNDLOAN**  Boat loan payments on this boat including principal and interest
- **SPNDSTOR**  Storage including slip rental fees, dry stack, winter storage, and self storage rental
- **SPNDINS**  Insurance liability, theft, fire
- **SPNDTAX**  Taxes on the boat
- **SPNDNEQP**  New motors and trailers
- **SPNDEUEQP**  Pre-Owned and Rented motors and trailers
- **SPNDMNT**  Boat maintenance, repairs, or installation of new products or upgrades performed by others including labor and parts
- **SPNDPART**  Products, parts, supplies, and accessories that you purchased directly to be installed/used on the or the trailer including electronics and navigation, parts, docking and anchors, paint and maintenance supplies, hardware, sail supplies, trailer parts, etc.
- **SPNDOTH**  Other things including boating-related clothing, fishing equipment for this boat, navigation charts, safety-related equipment, water sports equipment, etc.

**RECORD AMOUNT 0-999997**

**FOR EACH CATEGORY: DOES THIS CATEGORY SEEM DIFFERENT FROM THE OTHERS? WHAT DO YOU THINK IS INCLUDED IN THIS CATEGORY?**

**HOW CONFIDENT ARE YOU IN THAT NUMBER? WHAT RANGE WOULD YOU SAY?**

**NOTE CATEGORIES FOR WHICH ESTIMATING AMOUNTS IS DIFFICULT.**

**END ECONOMIC IMPACT OF RECREATIONAL BOATING**
INTERVIEWER: ASK RESPONDENTS TO PRETEND THEY WILL ANSWER YES TO THIS QUESTION

PART1 Can we contact you again to learn more about your boat in the coming year?

1  YES
2  NO

DOES THIS QUESTION MAKE YOU UNCOMFORTABLE?
DO YOU THINK IT WILL MAKE OTHER PEOPLE UNCOMFORTABLE?

PART2 Great! We will contact you 2 to 4 times in the coming year to ask you a few questions about this boat. The surveys will take no more than 10 minutes, and because we value your time, you will be compensated with $5 for each completed survey. Participation is completely voluntary, and your responses are completely confidential.

CONTINUE
TERMINATE

DO YOU HAVE ANY QUESTIONS ABOUT WHAT I JUST TOLD YOU?
DOES THIS QUESTION MAKE YOU UNCOMFORTABLE?
DO YOU THINK IT WILL MAKE OTHER PEOPLE UNCOMFORTABLE?
WAS THERE ANYTHING CONFUSING?

RECRUITA Thank you for agreeing to participate! Would this number be the best one to contact you at in the future, or do you prefer we reach you at a different number?

1  THIS NUMBER IS BEST
2  DIFFERENT NUMBER (RECORD)
    DK
    REF

RECRUITA Can we please have an address at which to reach you?

1  GAVE RESPONSE (RECORD)
2  NO
    DK
    REF
And can we please have your email address?
1. GAVE RESPONSE (RECORD)
2. NO
   DK
   REF

Do you prefer to be contacted by phone or e-mail?
1. PHONE
2. EMAIL
   DK
   REF

Thank you very much!

END RECRUIT FOR BOAT PANEL
**RECOMMENDED SURVEY: TELEPHONE**

**BOAT ENUMERATION**

/ASK ALL/  
INTRO1 Hi, my name is X, and I’m calling on behalf of the United States Coast Guard.  
The Coast Guard is conducting a survey of people who own boats to get information about how boats are used. The survey will only take a few minutes, and it will help the Coast Guard make boating safer.  

[Is respondent continuing with the interview?]  
  01 YES  
  02 NO  

/IF INTRO1=01/  
/IF THE RESPONDENT IS CONTINUING/  
AGEQUALc. Are you at least 16 years of age?  
  01 YES  
  02 NO  
  97 DON'T KNOW  
  99 REFUSED  

/IF AGEQUALC IN (02, 97, 99) THEN TERMINATE/  
/SET TERMTYPE=AGEUSER/  
/IF AGEQUALC=01/  
/IF THE RESPONDENT IS AT LEAST 16 YEARS OF AGE/  
BS1 Do you, or does anyone in your household own any boats? Please include canoes, kayaks, inflatable boats, and personal watercraft.  
  01 YES  
  02 NO  
  97 DON'T KNOW  
  99 REFUSED  

/IF BS1=01/  
/IF RESPONDENT OWNS AT LEAST ONE BOAT/  
/RANGE=1-10/  
BS2 How many?  
  __ RECORD NUMBER 1-10  
  97 DON'T KNOW  
  99 REFUSED
INFO. You are eligible to be interviewed. The United States Coast Guard needs to know about how boats like yours are used so that they can understand how safe recreational boating in the United States is. The interview will include questions about what your boat is like and what you do with it. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 15 minutes.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]  
01. YES  
02. NO

REGISTRATION INFORMATION

I’ll ask the next few questions about each of your boats. We’ll start with the longest and go to the shortest.

BEGIN LOOP
*SET COUNTER TO COUNT THE BOATS THROUGH THE LOOP
  IF COUNTER>0 THEN COUNTER=COUNTER+1
  ELSE SET COUNTER=1
  IF COUNTER>BS2 THEN TERMINATE LOOP. NEXT QUESTION SHOULD BE MODLYR

*SET THE IDENTIFIER TO LET THE RESPONDENT KNOW WHICH BOAT
  IF BS2=1 THEN ‘IDENTIFIER’ = “YOUR BOAT”
  ELSE IF BS2>2 THEN
    IF COUNTER=1 THEN ‘IDENTIFIER’ IS ‘YOUR LONGEST BOAT’
    ELSE IF COUNTER>1 AND COUNTER<BS2 THEN ‘IDENTIFIER’ IS ‘YOUR NEXT LONGEST BOAT’
    ELSE IF COUNTER=BS2 THEN ‘IDENTIFIER’ IS ‘YOUR SHORTEST BOAT’
  /IF 1<=COUNTER<=BS2/

MONEYX In the past year, have you used [identifier] for any purpose that makes money such as guiding tours or commercial fishing?  
01. YES  
02. NO  
97. DON’T KNOW  
99. REFUSED
IF MONEYX=2
REG_X Is this boat…
01 Registered, or
02 Unregistered?
97 DON’T KNOW
99 REFUSED

IF MONEYX=2
DOC_X Some very large boats are documented with the US Coast Guard. Is this boat documented with the US Coast Guard?
01 YES
02 NO
97 DON’T KNOW
99 REFUSED

IF REG_X=1
REGST_X In which state or territory is this boat registered?
01 ALABAMA
02 ALASKA
04 ARIZONA
05 ARKANSAS
06 CALIFORNIA
08 COLORADO
09 CONNECTICUT
10 DELAWARE
11 DISTRICT OF COLUMBIA
12 FLORIDA
13 GEORGIA
15 HAWAII
16 IDAHO
17 ILLINOIS
18 INDIANA
19 IOWA
20 KANSAS
21 KENTUCKY
22 LOUISIANA
23 MAINE
24 MARYLAND
25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING
97 DON’T KNOW
99 REFUSED
KIND OF BOAT

/IF $MONEYX=2$

CATX What type of boat is [identifier]? Is it…

01 A powerboat,
02 A sailboat,
03 A personal watercraft such as a jetski,
04 Canoe,
05 Kayak, or
06 Something else?
97 DON'T KNOW
99 REFUSED

[IF NECESSARY: “A power boat refers to a boat of any size powered by a motor”]

/IF CATX=01/
/IF RESPONDENT HAS A POWERBOAT/

TPpX Is it…

01 a cabin motorboat
02 a jet boat
03 an open motorboat
04 a pontoon boat
05 a houseboat
06 an airboat
97 DON'T KNOW
99 REFUSED

/IF CATX=02/
/IF RESPONDENT HAS A SAILBOAT/

TPSX Is it…

01 An auxiliary motor sailboat, or

[IF NECESSARY: “A sailboat with a motor”]
02 a sail only sailboat

/IF CATX=06/
/IF RESPONDENT HAS A DIFFERENT KIND OF BOAT/

TPOX Is it…
01 a rowboat, or
02 an inflatable
03 NEITHER
97 DON'T KNOW
99 REFUSED

/IF MONEYX=2
LN_X How long is it?
__ ENTER LENGTH IN FEET 0-97
97 DON'T KNOW
99 REFUSED

BOAT USAGE

/IF MONEYX=2
USE_X Did you use it in 2009?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

END BOAT LOOP.
RETURN TO BEGIN LOOP

END BOAT ENUMERATION

BOAT DETAILS

/SELECT A RANDOM BOAT FROM THE SET OF BOATS ENUMERATED ABOVE WHERE CATX IN (1,2,3,4,5,6) (WHERE WE KNOW WHAT KIND OF BOAT IT IS)
IDENTIFIER=IDENTIFIER FROM PREVIOUS LOOP
IF THERE ARE NO QUALIFYING BOATS THEN SELECTED=0
IF A BOAT IS SELECTED, SELECTED=1
/IF SELECTED=1/

The next section is just about one of your boats. These questions are just about your [identifier].

/IF SELECTED=1/
MODLYR What is the model year of the boat?
__ ENTER YEAR 1950-2009
97 DON'T KNOW
NEWUSED  When the boat was purchased, was it new or used?
[IF NECESSARY: ‘USED’ COULD ALSO MEAN ‘PRE-OWNED’ OR ‘RENTED’.]
01  NEW
02  USED
97  DON'T KNOW
99  REFUSED

HULLMAT  Of what material is the hull of the boat constructed?
01  Aluminum
02  Steel
03  Carbon fiber
[IF NECESSARY: “carbon fiber is less common than fiberglass. It is expensive, but it is sometimes used for sailboats because of its light weight.”]
04  Fiberglass
05  Rigid hull inflatable
06  Rubber
07  Vinyl
08  Canvas
09  Wood, or
10  Another material
97  DON'T KNOW
99  REFUSED

PROPULS  What is the primary means of propulsion of the boat?
01  Human powered with oars, paddles, or pedals
02  Air thrust
03  Propeller
04  Sail
05  Water jet
97  DON'T KNOW
HASMOT        Does the boat have a motor?
01    YES
02    NO
97    DON’T KNOW
99REFUSED

/IF HASMOT=01/
/IF THE BOAT HAS A MOTOR/

MOTOR        Which type of motor or engine powers the boat? Do not include trolling motors. Is it…
01    Inboard engine
02    Outboard motor
03    Inboard-outboard engine [IF NECESSARY: “This is also called a sterndrive”]
97    DON’T KNOW
99    REFUSED

/IF HASMOT=01/
/IF THE BOAT HAS A MOTOR/

MOTNUM        How many engines or motors power the boat?
__    RECORD NUMBER 1-3
97    DON’T KNOW
99    REFUSED

/IF HASMOT=01/
/IF THE BOAT HAS A MOTOR/

MOTHP         What is the total horsepower of the engines or motors that power the boat?
[IF NECESSARY: “If that boat has twin 25-horsepower engines, its total horsepower is 50”]
__    RECORD HORSEPOWER 1-997
97    DON’T KNOW
99    REFUSED
MOTFUEL Which type(s) of fuel is/are used in the boat’s primary engine? Does it use…

01 Diesel
02 Electric
03 Gasoline
04 Other (SPECIFY)
97 DON'T KNOW
99 REFUSED

IF MOTFUEL=4
MOTFUELOTH ____ENTER OTHER SPECIFY

END BOAT DETAILS

BOAT OPERATION

PRIMOP Are you the primary operator of the boat?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

OWNSAFE Have you ever taken a boat safety course?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

OWNEXP How experienced in the operation of the boat are you? Would you say…

01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04   Very inexperienced
97   DON'T KNOW
99   REFUSED

END BOAT OPERATION

ECONOMIC IMPACT OF RECREATIONAL BOATING

MODULE—BOAT EXPENDITURES COROLLARY QUESTIONS

/IF SELECTED=1/
STORED   Where is the boat kept during the primary boating season?
01   On the water, or
02   On land
97   DON'T KNOW
99   REFUSED

/IF SELECTED=1/
WATER    Do you intend to take the boat out on the water in 2010?
01   YES
02   NO
97   DON'T KNOW
99   REFUSED

/IF SELECTED=1/
TRAILR   Was the boat transported, or trailered for the purpose of launching it in [reference period: previous calendar year]?
01   YES
02   NO
97   DON'T KNOW
99   REFUSED

/IF SELECTED=1/
OUTST    Was the boat used outside the state of where the boat is kept in [reference period: previous calendar year]?
01   YES
02   NO
97   DON'T KNOW
During [last calendar year], did you or anyone in your household spend any money on this boat?

[IF NECESSARY: “Think about expenses such as insurance, storage, motors, supplies, safety, and maintenance and repairs.”]

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

The next questions are about money you spent on this boat in 2009.

Did you buy this boat new in 2009?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

How much did you spend?

__ RECORD RESPONSE
97 DON’T KNOW
99 REFUSED

Do you have a monthly loan payment for this boat?

01 YES
02 NO
97 DON’T KNOW
SPNDOAN2 How much do you pay monthly for the boat including principal and interest?

SPNDSTOR Storage including slip rental fees, dry stack, winter storage, and self storage rental

SPNDSINS Insurance for liability, theft, fire

SPNDSIN2 Taxes on the boat

SPNDNEQP New motors and trailers

SPNDUOP Pre-Owned and Rented motors and trailers

SPNDMNT Services performed by others like boat maintenance, repairs, or installation of new products

SPNDPART Products, parts, supplies, and accessories that you purchased directly

SPNDOOTH Other things including boating-related clothing, fishing equipment for this boat, navigation charts, safety-related equipment, and water sports equipment
END ECONOMIC IMPACT OF RECREATIONAL BOATING

RECRUIT FOR BOAT PANEL

*IF SELECTED=1*

**PART1** The US Coast Guard is interested in learning about how boats are used so that it can understand how safe boating is. Your personal experiences on this boat can help. Can we contact you this year to conduct very short surveys about this boat?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

*IF PART1=02 TERM/*
*IF PART1=01/*
*IF RESPONDENT AGREES TO A FOLLOW UP/*

**PART2** Great! We will contact you 2 to 4 times in the coming year to ask you a few questions about this boat. The surveys will take about 10 minutes, and because we value your time, you will be compensated with $5 for each completed survey. Participation is completely voluntary, and your responses are completely confidential.

01 CONTINUE
02 TERMINATE

*IF PART2=01/*
*IF RESPONDENT IS CONTINUING/*

**RECRUITP** Thank you for agreeing to participate! Would this number be the best one to contact you at in the future, or do you prefer we reach you at a different number?

01 THIS NUMBER IS BEST
02 DIFFERENT NUMBER (RECORD)
97 DON'T KNOW
99 REFUSED

*IF PART2=01/*
*IF RESPONDENT IS CONTINUING/*

**RECRUITA** Can we please have an address at which to reach you?

01 GAVE RESPONSE (RECORD)
02 NO
97 DON'T KNOW
99 REFUSED
RECRUITE  And can we please have your email address?
01 GAVE RESPONSE (RECORD)
02 NO
97 DON'T KNOW
99 REFUSED

PART3  Do you prefer to be contacted by phone or e-mail?
01 PHONE
02 EMAIL
97 DON'T KNOW
99 REFUSED

CLOSE  Thank you very much!

END RECRUIT FOR BOAT PANEL
RECOMMENDED SURVEY: MAIL
1. Please describe the five longest boats you own in the following table. Please use the boat types listed below to describe the boats in the Type column.

<table>
<thead>
<tr>
<th>Boat</th>
<th>Have you used the boat in the last year for making money?</th>
<th>Is the boat registered?</th>
<th>Is the boat documented with the US Coast Guard?**</th>
<th>state of registration</th>
<th>Length</th>
<th>Type*</th>
<th>Did you use the boat in 2009?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Y / N</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y / N</td>
</tr>
<tr>
<td>2</td>
<td>Y / N</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y / N</td>
</tr>
<tr>
<td>3</td>
<td>Y / N</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y / N</td>
</tr>
<tr>
<td>4</td>
<td>Y / N</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y / N</td>
</tr>
<tr>
<td>5</td>
<td>Y / N</td>
<td>Y / N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y / N</td>
</tr>
</tbody>
</table>

*Types of Boats:

** 'Documented' means that the boat is recorded by the United States Coast Guard. Only some very large boats are documented with the Coast Guard.
One of your household’s boats was identified in the cover letter. The rest of the survey concerns the identified boat only.

2. Do you still own this boat?
   - YES → GO TO QUESTION 4
   - NO

3. If you no longer own this boat, what happened to it?
   - I NEVER OWNED THAT BOAT
   - I SOLD OR GAVE AWAY THE BOAT
   - OTHER: __________________________

The next questions are about this boat, if you do not own it, you have completed the survey and should send it back in the envelope provided. Thanks for your response!

**BOAT DETAILS**

4. What is the model year of this boat? _________

5. When this boat was purchased, was it new or used?
   - NEW
   - USED

6. Of what material is the hull of this boat constructed?
   - ALUMINUM
   - STEEL
   - CARBON FIBER
   - FIBERGLASS
   - RIGID HULL INFLATABLE
   - RUBBER
   - VINYL
   - CANVAS
   - WOOD
   - OTHER MATERIAL: __________________________

7. What is the primary means of propulsion of this boat? Is it…
   - HUMAN POWERED (OARS, PADDLES, PEDALS)
   - AIR THRUST
   - PROPELLER
   - SAIL
   - WATER JET

8. Does this boat have a motor?
   - YES → CONTINUE TO QUESTION 9
   - NO → GO TO QUESTION 13

**If the boat has a motor:**

9. Which type of motor or engine powers the boat? Select all that apply. Do not include trolling motors.
   - INBOARD ENGINE
   - OUTBOARD MOTOR
   - INBOARD-OUTBOARD ENGINE (STERNDRIVE)

10. How many engines or motors power this boat? _________

11. What is the total horsepower of the engines or motors that power this boat? For example: If that boat has twin 25 horsepower engines, its total horsepower is 50. _________

12. Which type(s) of fuel is/are used in this boat’s primary engine? Select all that apply.
   - DIESEL
   - ELECTRIC
   - GASOLINE
   - OTHER __________________________
BOAT OPERATION

13. Are you the primary operator of this boat?
   □ YES
   □ NO

14. Have you ever taken a boat safety course?
   □ YES
   □ NO

15. How experienced in the operation of this boat are you?
   □ VERY EXPERIENCED
   □ SOMEWHAT EXPERIENCED
   □ SOMEWHAT INEXPERIENCED
   □ VERY INEXPERIENCED

BOAT STORAGE

16. Where is this boat kept during the primary boating season?
   □ ON THE WATER
   □ ON LAND

17. Do you intend to take the boat out on the water in 2010?
   □ YES
   □ NO

18. Was the boat transported or trailered for the purpose of putting it in the water in 2009?
   □ YES
   □ NO

19. Was this boat used outside the state of where the boat is kept in 2009?
   □ YES
   □ NO

BOAT EXPENDITURES

The next questions are about money you spent on this boat in 2009.

20. Did you buy this boat new in 2009?
    □ YES → GO TO QUESTION 20A
    □ NO

20a. How much did you spend? ____________

21. Do you have a monthly loan payment for this boat?
    □ YES → GO TO QUESTION 21A
    □ NO

21a. How much do you pay monthly for the boat including principal and interest? ____________

22. In 2009, how much did you spend on:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>$</td>
</tr>
<tr>
<td>(slip rental fees, dry stack, winter storage, and self storage rental)</td>
<td></td>
</tr>
<tr>
<td>Insurance for liability, theft, fire</td>
<td>$</td>
</tr>
<tr>
<td>Taxes on the boat</td>
<td>$</td>
</tr>
<tr>
<td>New motors and trailers</td>
<td>$</td>
</tr>
<tr>
<td>Pre-Owned and Rented motors and trailers</td>
<td>$</td>
</tr>
<tr>
<td>Services performed by others like boat maintenance, repairs, or installation of new products</td>
<td>$</td>
</tr>
<tr>
<td>(upgrades performed by others including labor and parts)</td>
<td></td>
</tr>
<tr>
<td>Products, parts, supplies, and accessories that you purchased directly</td>
<td>$</td>
</tr>
<tr>
<td>(to be installed or used on the boat or the trailer including electronics and navigation, parts, docking and anchors, paint and maintenance supplies, hardware, sail supplies, trailer parts, etc.)</td>
<td></td>
</tr>
<tr>
<td>Other things including boating-related clothing, fishing equipment for this boat, navigation charts, safety-related equipment, and water sports equipment</td>
<td>$</td>
</tr>
</tbody>
</table>
23. The US Coast Guard is interested in learning about how boats are used so that it can understand how safe boating is. Your personal experiences on this boat can help. Can we contact you this year to conduct very short surveys about this boat?

☐ YES  ➔ GO TO QUESTION 24

24. We will contact you 2 to 4 times in the coming year to ask you a few questions about this boat. The surveys will take about 10 minutes, and because we value your time, you will be compensated with $5 for each completed survey. Participation is completely voluntary, and your responses are completely confidential.

Please provide your contact information below to participate.

Mailing address:

Address: ______________
____________

City ______________

State ______________

Zip ______________

Phone ______________

Email ______________

23. Would you prefer to complete the surveys by internet or telephone?

☐ INTERNET

☐ TELEPHONE

☐ NO

Thank you! You have completed the survey. Please put it in the postage paid envelope provided and return it.
APPENDIX 2: TRIP SURVEY

COGNITIVE INTERVIEWING GUIDE ROUND 1

INTERVIEWER: THE PROBES PROVIDED HERE ARE JUST SUGGESTIONS. PLEASE FEEL FREE TO PROBE FOR OTHER CONCEPTS OR CONFUSIONS AS APPROPRIATE OR TO CHANGE YOUR PROBES.

IN GENERAL, WE NEED TO KNOW HOW WELL RESPONDENTS ARE UNDERSTANDING THE TERMS IN THIS SURVEY AND WHETHER THE TERMS THEY THINK OF IN RESPONSE TO THE QUESTIONS ARE THE SAME ONES WE HAVE IN OUR LISTS.

Study of Boating Questionnaire

Informed Consent Form

To begin, let me read you some information about what we’re doing here today.

Purpose: The US Coast Guard is seeking feedback on questionnaires proposed for the National Recreational Boating Survey. ICF Macro has been selected to conduct cognitive interviews to evaluate these survey instruments for the US Coast Guard.

Subjects: For this study, the US Coast Guard is conducting one-on-one interviews with people who are familiar with boating. Discussion will be led by a member of the research team and will involve questions regarding boats, boating trips, and boating participation. Findings will be used to improve the proposed questionnaires.

You have been selected because you are presumed to be representative of the US Boating population.

Benefits & Risks: There are no direct benefits of participation. However, participating in the research may increase your awareness of your personal behavior and its potential health risks. The answers you give can help improve the National Recreational Boating Survey which could potentially help the Coast Guard identify and address common boating related issues common to the public. Potential risks are minimal. They may include discomfort or embarrassment associated with revealing personal information. In the event that the discussion raises some difficult feelings for you, you can stop or not answer a particular question. You may also stop the interview at any time.

Confidentiality: Participation in this study is voluntary, and your refusal to participate will involve no penalty or loss to the benefits to which you are entitled.
Only the researchers and fellow participants will know your answers and comments during the discussion. The discussion may be taped for accuracy. A code will be used as an identifier on transcripts. No identifying information will be provided in any publication and the data will be written so as to disguise your identity and maintain confidentiality. Nevertheless, you may be able to recognize the material in text as coming from your interview. Others who did not participate in the discussion should not be able to identify it. The researcher is mandated to report to the proper authorities suspected child abuse, and any indications that you are imminent danger of harming yourself or others.

**Voluntary Participation:** There is not penalty for choosing not to participate or for choosing to stop the interview at any time. You may choose not to answer a question for any reason.

**Length of Participation:** The discussion should take no more than one hour. You will not be recontacted for additional information after completion of the group.

**Contact Information:** If you have any questions about this study, please contact:

Seth Muzzy  
*Macro International*  
116 John Street, New York City  
*telephone:* (212) 941-5555

Or you may contact the Macro International Institutional Review Board if you have questions about your rights as a subject:

Renee Agee, *Macro International IRB representative*  
*telephone:* (301) 572-0200

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**DO YOU UNDERSTAND WHAT I JUST READ TO YOU?**
**DO YOU HAVE ANY QUESTIONS?**
**CONSENT READ AND AFFIRMED [INSERT DATE] [INSERT TIME]**
CONFIRM THAT RESPONDENT OWNS A BOAT. DETERMINE PARTICIPATION IN BOAT SURVEY.

Good morning,

Today I’m testing a survey we’ll be using to collect information about people’s boats. This survey will be carried out on the phone with people all over the country. For the questions about your boats, please answer them as you would if you were on the phone with an interviewer.

We are interested in your answers, but also how you go about making them. After you answer the questions, I may ask you questions about them.

Please tell me if there are words you don’t understand, or if the question doesn’t make sense to you, or if you could interpret it two ways, or if it seems out of order, or if the answer you are looking for is not provided.

The more you can tell us, the more useful it will be to us as we try to develop better questions. Okay? Do you have any questions before we start?

INTRO2

Hello, my name is [full name]. I’m calling on behalf of the United states Coast Guard. A while ago, you filled out a survey about your boat for us, and said we could contact you again. I just have a few questions about trips your boat went out on your last trip.

01 CONTINUE
03 CALL BACK
04 REFUSAL

DO YOU UNDERSTAND WHAT I JUST SAID TO YOU?
IS THERE ANYTHING ABOUT THAT THAT MAKES YOU UNCOMFORTABLE?

INFO. I won’t ask for your name, address, or other personal information that can identify you. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about an hour. The United states Coast Guard is interested in how Americans spend their free time.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]

01 YES
02 NO
How many boats do you own?
For the remainder of this discussion, let’s talk about your boat type. (Include a mix of types).

We’ll have the specific boat in our sample. For the cognitive interview, ask the respondent about their boats and tell them to answer about the one they spent the most time on in August.

BTELIG

Did you own the boat on January first of this year?
1  YES
2  NO
DK
REF

STILLBT

Do you still own the boat?
1  YES
2  NO
DK
REF

IDENTIFY DOCKED RECREATION DAYS

During August, was the boat stored on land or on the water?
1  LAND
2  WATER
DK
REF

When I said ‘stored’ in the question above, what did that mean to you? What’s another word other than “stored” that could have been used in the question I just asked?
DTRIP

During August, was there any day when you or members of your household spent time on the boat while it was docked but didn’t take it out on the water?

IF NECESSARY: Working on the boat, socializing, or doing any other activity while the boat was docked.

IF NECESSARY: We’re interested in days when you personally were on your boat.

1  YES
2  NO
DK
REF

WHAT DID YOU THINK ABOUT WHEN YOU WERE DECIDING ON THE ANSWER TO THAT QUESTION?
IF YES, WHO WAS ON THE BOAT? WHAT DID YOU DO?
IF NO, DID ANYBODY OTHER THAN YOU SPEND TIME ON THE BOAT IN AUGUST?

DTRN

On how many days in August did you or someone from your household spend more than an hour on the boat while it was docked?

IF NECESSARY: WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY

RECORD NUMBER 1-7

WHAT DID YOU THINK ABOUT WHEN YOU WERE DECIDING ON THE ANSWER TO THAT QUESTION?
IDENTIFY WATER RECREATION DAYS

WTRIP

During August, was there any day when the boat went out on the water?

IF NECESSARY: We’re interested in trips that the boat made whether you were present or not.

1  YES
2  NO
DK
REF

WTRN

On how many days in August did the boat go out on the water?

IF NECESSARY: WE’RE JUST INTERESTED IN DAYS THAT YOU ACTUALLY PUT THE BOAT ON THE WATER. IF YOU WERE ON THE WATER FOR TWO OR MORE DAYS, TELL ME THE FIRST DAY.

RECORD NUMBER 1-31

HOW DID YOU REMEMBER THAT NUMBER?
DID YOU THINK ABOUT SPECIFIC TRIPS?
DID YOU ESTIMATE HOW MANY TRIPS YOU USUALLY TAKE?
WERE THERE ANY TIMES WHEN THE BOAT WENT OUT BUT YOU WEREN’T ON IT?
DID YOU COUNT THOSE TIMES?
THE SURVEY WILL RANDOMLY SELECT FROM THE TRIPS THE RESPONDENT TOOK. SO IF HE SAYS HE WENT OUT 15 TIMES, THEN IT WILL AUTOMATICALLY SELECT TWO OF THOSE DAYS LIKE ‘THE SECOND TIME’ AND ‘THE FOURTEENTH TIME’. IN TESTING, WE WANT TO KNOW HOW RESPONDENTS HANDLE THESE DESIGNATIONS. IF RESPONDENTS COMPLAIN ABOUT NOT BEING ABLE TO REMEMBER THAT FAR BACK, MAKE A NOTE, BUT THE REAL SURVEY WILL TAKE PLACE IN THE MONTH IMMEDIATELY FOLLOWING THE TRIP (SO THIS WOULD HAVE HAPPENED IN SEPTEMBER). ASK THEM IF THEY CAN REMEMBER THE LAST TRIP THEY TOOK THIS SUMMER CLEARLY. WE DO WANT TO KNOW IF THERE IS NO HOPE OF THEIR REMEMBERING.
**Water Days**

**SELECT WATER DAY**

*IF THEY WENT OUT 0 WATER DAYS, SKIP TO WATER DAYS.*  
*IF THEY WENT OUT 1 WATER DAY, READ:*

The next questions are about the time you or another member of your household went out on the water in your boat. To keep it easier, let’s talk about a day you remember well. Do you remember your last boat outing of the season? If so, let’s talk about that one. If not, can you tell me one that you do recall well?

*IF THEY WENT OUT 2 OR MORE DOCKED DAYS, READ:*

The next questions are about times you or another member of your household went out on the water. We’re interested in the ‘second day’ in August.

**CAN YOU REMEMBER THAT DAY?**

- **ONBT2.** Was someone else from your household on the boat?  
  - yes  
  - no  
  - dk  
  - ref

- **ONBT3.** How many of the members of your household who were on the boat with you that day were at least 16 years old?  
  Record number

- **ONBT4.** Would you say you know what happened on the trip including where the boat went and how long it was on the water?  
  - yes  
  - no  
  - dk  
  - ref

- **ONBTDATA.** What date was the trip?  
  RECORD DATE

**WHAT DID YOU THINK ABOUT TO COME UP WITH THAT ANSWER?**

**TRIP EXPOSURE**

**STATES WHERE BOATED**

WLOC
On that trip, what state was the boat in when it went out on the water?

RECORD STATE, INCLUDE PUERTO RICO, VIRGIN ISLANDS, GUAM, AND OUTSIDE THE US

OTHST1
On that day, did the boat go into states other than _____?

1 YES
2 NO
DK
REF

OTHST2
Which ones?

RECORD STATES, INCLUDE PUERTO RICO, VIRGIN ISLANDS, GUAM, AND OUTSIDE THE US

WHAT DID YOU THINK ABOUT TO DETERMINE WHAT STATES YOU HAD TRAVELLED IN?
DO YOU EVER TAKE THE BOAT INTO MULTIPLE STATES?
HOW CAN YOU TELL WHEN YOU’VE ENTERED WATERS BELONGING TO ANOTHER STATE?
PEOPLE ON THE BOAT

WPPL

Including you, how many people went on the boat that day?

IF NECESSARY: How many people did you have with you most of the time?

RECORD NUMBER 1-997

DID YOU REMEMBER WHO WAS ON THE BOAT SPECIFICALLY?

WHAT DID YOU THINK ABOUT TO DECIDE HOW MANY PEOPLE WERE ON THE BOAT WITH YOU?

BOAT HOURS - CRITICAL

OVERNIGHT

On that day, did the boat stay out on open water overnight?

1 STAYED ON THE WATER OVERNIGHT
2 DOCKED THE BOAT AGAIN
DK
REF

IF THEY WERE OUT OVERNIGHT, THEN ASK THE QUESTIONS IN THE BOX

About what time of day did boat set out?
How many days later did the boat dock again?
About what time did the boat dock again the day it returned?

I'm going to ask you some questions about the whole trip starting on the first day to when the boat docked again on the last day. Please answer for that whole time.

WHAT DID YOU THINK ABOUT TO DETERMINE WHAT TIMES OF DAY YOU SET OUT AND RETURNED?
IF THEY WERE NOT OUT OVERNIGHT, THEN ASK

WHRS

On that day, how many hours did the boat spend on the water?

RECORD NUMBER 1-24

WHAT DID YOU THINK ABOUT TO DETERMINE HOW LONG THE BOAT WAS ON THE WATER?
COULD IT HAVE BEEN AN HOUR LESS OR MORE?
HOW ABOUT THREE OR FOUR HOURS LESS OR MORE?

TYPES OF WATER

On that day, did the boat go on any freshwater?

IF NECESSARY; The trip that started [identifier]

1 YES
2 NO
DK
REF

WHAT KINDS OF BODIES OF FRESHWATER DID YOU GO OUT ON:

IF YES, THEN ASK THE QUESTIONS IN THE BOX
THIS IS ANOTHER OF THOSE QUESTIONS WHERE WE WANT TO SEE IF THEIR
SPONTANEOUS RESPONSE MATCHES THE LIST
COGNITIVE INTVR NOTE: WERE THESE TERMS CONFUSING TO THE RESPONDENT?

Did the boat go out on:
Freshwater Canals
Intercoastal waterways /note: need a definition for respondent clarification
Rivers or streams
Any of the Great Lakes
Other lakes, ponds, or reservoirs

1 yes
2 no
DK
REF

DID THE RESPONDENT TREAT THESE AS INDEPENDENT THINGS? DID THEY GET CONFUSED?

Did the boat go on any saltwater?
IF NECESSARY; The trip that started [identifier]

**WHAT KINDS OF BODIES OF SALWATER DID YOU GO OUT ON:**

**IF YES, THEN ASK THE QUESTIONS IN THE BOX**

<table>
<thead>
<tr>
<th>Did you take the boat out on:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saltwater canals</td>
</tr>
<tr>
<td>Gulfs</td>
</tr>
<tr>
<td>the Ocean within 3 miles of shore</td>
</tr>
<tr>
<td>the Ocean within 10 miles of shore</td>
</tr>
<tr>
<td>the Ocean further than 10 miles from shore</td>
</tr>
<tr>
<td>1  yes</td>
</tr>
<tr>
<td>2  no</td>
</tr>
<tr>
<td>dk</td>
</tr>
<tr>
<td>ref</td>
</tr>
</tbody>
</table>

**DID THE RESPONDENT TREAT THESE AS INDEPENDENT THINGS? DID THEY GET CONFUSED?**

**END TRIP EXPOSURE**

--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
BOATING SAFETY AWARENESS AND BEHAVIORS

BOAT OPERATION

Did you operate the boat on that day?

YES
NO
DK
REF

Have you ever taken a boat safety course?

1 YES
2 NO
DK
REF

PROBE: WHAT DID YOU THINK ABOUT WHEN YOU DECIDED WHETHER YOU HAD TAKEN A SAFETY COURSE?
 IF YES, WHAT KIND OF COURSE WAS THAT?
 IF NO, DK, REF HAVE YOU EVER TAKEN ANY KIND OF COURSE ABOUT HOW TO USE YOUR BOAT OR ITS EQUIPMENT?
 DO YOU KNOW WHO OFFERS BOAT SAFETY COURSES OR HOW YOU WOULD TAKE ONE?
 WHAT KINDS OF THINGS WOULD YOU SAY WOULD BE INCLUDED IN A BOAT SAFETY COURSE?

How experienced in the operation of the boat are you? Would you say…

Very experienced
Somewhat experienced
Somewhat inexperienced, or
Very inexperienced

DK
REF

PROBE: WHAT DID YOU THINK ABOUT WHEN YOU DECIDED HOW EXPERIENCED YOU WERE?
HOW EASY WAS THIS QUESTION TO ANSWER?
IF THERE WERE OTHER PEOPLE ON THE BOAT, THEN ASK

How many people other than yourself operated the boat?

RECORD NUMBER (1-5)

COGNITIVE INTVR NOTE: DID RESPONDENT INCLUDE HIM/HERSELF IN THE COUNT?
WHO ELSE OPERATED THE BOAT?
RECORD NUMBER, SEE IF THE NUMBER REPORTED INCLUDED OR EXCLUDED THE RESPONDENT

FOR EACH OF THE OTHER OPERATORS, ASK THESE TWO QUESTIONS WHERE [IDENTIFIER] IS ‘FIRST, SECOND, THIRD’

How old was the [identifier] boat operator other than yourself?

COGNITIVE INTVR NOTE: NOTE HOW THE RESPONDENT GOES THROUGH THE LIST OF OTHER OPERATORS.

record age 1-99
How experienced in the operation of the boat was that operator? Would you say…
Very experienced
Somewhat experienced
Somewhat inexperienced, or
Very inexperienced

NOTE DIFFICULTIES HERE INCLUDING DIFFICULTIES IDENTIFYING THE DIFFERENT OPERATORS

ALCOHOL

On that day, did anyone on the boat drink alcohol?

1 YES
2 NO
DK
REF

On that day, did anyone who was operating the boat drink alcohol?

1 YES
2 NO
DK
REF

ESPECIALLY IF YES TO EITHER OF THESE QUESTIONS, HOW DID YOU FEEL ABOUT THESE QUESTIONS?
COGNITIVE INTRV NOTE: DOES “BEFORE, DURING, OR AFTER” NEED TO BE ADDED TO THE QUESTION ABOVE?

LIFE JACKETS
were there life jackets or preservers on the boat during that day?

1 yes
2 no
dk
ref

which of the following types of life jackets were on the boat on that day? were there…

for the entire following series, note whether the ‘if necessary’ is insufficient and whether or not it was necessary to read that section.

if the respondent does know what kinds of jackets, ask how many jackets there were.

off-shore life jackets

if necessary: for surviving a long time in the open ocean

1 yes
2 no
dk
ref

how many?

record number

were there…

near-shore buoyant vests

if necessary: for use close to the shore where rescue is quick. these turn you face up if you are unconscious

1 yes
2 no
dk
ref

how many?

record number

were there…

flotation aids
IF NECESSARY: for use in calm water close to shore. These help you float, but they won’t turn you face up if you’re unconscious.

1 YES
2 NO
DK
REF
how many?
RECORD NUMBER

Were there…

Throwable Devices

IF NECESSARY: rings and other things you throw to people for them to grab and hold

1 YES
2 NO
DK
REF
how many?
RECORD NUMBER

Were there…

Special Use Devices

IF NECESSARY: work vests and other suits designed to keep you safe while you do specific work.

1 YES
2 NO
DK
REF
how many?
RECORD NUMBER

CONFUSION WITH TERMS

LFJ_SLF

Did you wear a lifejacket all the time on that day?

1 YES
2 NO
DK
REF
What did you think about when you answered that question?

Ask the first question in each pair below. If more than 0, ask the second question.

- How many children under the age of 5 were on the boat for more than an hour while it was on the water?
  - Record number 0-997
- How many of those children wore lifejackets all the time they were on the boat?
  - Record number
- How many children aged 5 to 10 were on the boat for more than an hour while it was on the water?
  - Record number
- How many of those children wore lifejackets all the time they were on the boat?
  - Record number
How many people aged 10 to 15 were on the boat for more than an hour while it was on the water?
record number
How many of those people wore lifejackets all the time they were on the boat?
record number
How many people 16 and older were on the boat for more than an hour while it was on the water?
record number
How many of those people wore lifejackets all the time they were on the boat?
record number

WHAT DID YOU THINK ABOUT WHEN DECIDING WHETHER OTHER PEOPLE ON THE BOAT WORE LIFEJACKETS?

IF RESPONDENT DID NOT PERSONALLY WEAR A LIFE JACKET ALL THE TIME THEN ASK
LFJWHYA
Why did you not wear a lifejacket all the time?
RECORD RESPONSE

IF THERE WERE ANY CHILDREN WHO DIDN’T WEAR THE LIFEJACKET ALL THE TIME THEN ASK
LFJWHYC
You indicated that someone under 15 didn’t wear a lifejacket all the time. Can you tell me why that was?
RECORD RESPONSE

HOW EASY WAS THIS QUESTION TO UNDERSTAND?
DID YOU FEEL UNCOMFORTABLE ANSWERING THESE QUESTIONS ABOUT LIFEJACKETS AND ALCOHOL?
DO YOU THINK OTHER PEOPLE WILL FEEL UNCOMFORTABLE, OR MAY BE TEMPTED TO ANSWER LESS HONESTLY DUE TO FEAR OF POTENTIAL CONSEQUENCES?

END MODULE: REASONS FOR LIFEJACKET USE
OTHER SAFETY EQUIPMENT

Which of the following were on the boat on that trip? Was there…

SFFA  First aid kit
SFROPE  Safety rope
SFHOOK  Equipment for reaching someone in the water such as a boat hook or similar piece of equipment
SFEXT  Fire extinguisher
SFVDIST  Visual distress signals [probe for definition if respondent answers yes]
SFSDIST  Sound signals  [probe for definition if respondent answers yes]
SFEPIRB  Emergency Position Indicating Radio Beacon or EPIRB  [probe for definition if respondent answers yes]

1  YES
2  NO
DK
REF

NOTE CONFUSION WITH TERMS.
USAGE OF SAFETY EQUIPMENT

**SKIP PATTERN**
**IF THE ITEM WAS ON THE BOAT, ASK ABOUT ITS USE HERE**

On that trip, did you use the …

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFFA_USED</td>
<td>First aid kit</td>
</tr>
<tr>
<td>SFROPE_USED</td>
<td>Safety rope</td>
</tr>
<tr>
<td>SFHOOK_USED</td>
<td>Equipment for reaching someone in the water such as a boat hook or similar piece of equipment</td>
</tr>
<tr>
<td>SFEXT_USED</td>
<td>Fire extinguisher</td>
</tr>
<tr>
<td>SFVDIST_USED</td>
<td>Visual distress signals</td>
</tr>
<tr>
<td>SFSDIST_USED</td>
<td>Sound signals</td>
</tr>
<tr>
<td>SFEMPRB_USED</td>
<td>Emergency Position Indicating Radio Beacon-EPIRB</td>
</tr>
</tbody>
</table>

1  YES  
2  NO  
DK  
REF

END SAFETY AWARENESS AND BEHAVIORS

NEGATIVE EVENT INCIDENCE AND RISK

**NEGATIVE EVENTS**

Did any of the following occur on that day…

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC_COLV</td>
<td>A collision with another vessel</td>
</tr>
<tr>
<td>ACC_OVBRD</td>
<td>Someone fell overboard</td>
</tr>
<tr>
<td>ACC_COLF</td>
<td>A collision with a fixed or submerged object</td>
</tr>
<tr>
<td>ACC_SKI</td>
<td>A water-skier accident</td>
</tr>
<tr>
<td>ACC_FLD</td>
<td>The boat capsized, flooded, or swamped</td>
</tr>
</tbody>
</table>

1  YES  
2  NO  
DK  
REF

NOTE CONFUSION WITH TERMS OR APPARENT RESPONDENT DISCOMFORT
On this trip, how many times did…

ACC_COLV_N  The boat collide with another vessel
ACC_OVBRD_N  Someone fell overboard
ACC_COLF_N  The boat collide with a fixed or submerged object
ACC_SKI_N  A water-skier have an accident
ACC_FLD_N  The boat capsized, flooded, or swamped

1  YES
2  NO
   DK
   REF

IF THE ANSWER >1, THEN: WHAT DID YOU THINK ABOUT WHEN REMEMBERING HOW MANY TIMES THIS HAPPENED?

On this trip, how many times did you report to the authorities that…

ACC_COLV_RPT  The boat collided with another vessel
ACC_OVBRD_RPT  Someone fell overboard
ACC_COLF_RPT  The boat collided with a fixed or submerged object
ACC_SKI_RPT  A water-skier had an accident
ACC_FLD_RPT  The boat capsized, flooded, or swamped

1  YES
2  NO
   DK
   REF
DAMAGE TO PEOPLE AND VESSELS

IF THERE WERE ANY INCIDENTS, ASK

On this trip, did any of these incidents involve

ACC_DAMAGE  Damage to vessels or other property of $2,000 or more, or complete loss of any vessel

ACC_INJURY  An injury requiring medical treatment or first aid

1  YES
2  NO
DK
REF

WHAT DID YOU THINK OF WHEN YOU DECIDED WHETHER THE INCIDENT CAUSED $2000 WORTH OF LOSS?
WHAT DID YOU THINK OF WHEN YOU DECIDED IF THERE WAS AN INJURY?
DID ANSWERING THESE QUESTIONS MAKE YOU UNCOMFORTABLE?
DO YOU THINK THEY WILL MAKE OTHER PEOPLE UNCOMFORTABLE?
COGNITIVE INTVR NOTE: NOTE WHETHER OR NOT RESPONDENT ANSWERED QUESTION BEFORE IT HAD BEEN READ COMPLETELY.

ECONOMIC IMPACT OF RECREATIONAL BOATING

L20MILE

Did you launch the boat within 20 miles of your home?

1  YES
2  NO
DK
REF

WHEN I SAY ‘LAUNCH’, WHAT DO YOU THINK OF? WHAT DOES “LAUNCH” MEAN TO YOU?
WHAT DO YOU CALL IT WHEN YOU PUT YOUR BOAT IN THE WATER?

MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

STAYAWAY. Did you stay away from home with your boat for one or more days?

1  YES
2  NO
DK
REF
IF THEY STAYED AWAY FROM HOME, THEN ASK THE QUESTIONS IN THE BOX

<table>
<thead>
<tr>
<th>STYN.</th>
<th>How many nights were you away from home on this trip?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>record number 0-996</td>
</tr>
<tr>
<td></td>
<td>What type of lodging did you use on this trip? Did you stay</td>
</tr>
<tr>
<td>STYFF</td>
<td>With friends or family</td>
</tr>
<tr>
<td>STYBB</td>
<td>At a bed and breakfast</td>
</tr>
<tr>
<td>STYHTL</td>
<td>At a hotel or motel</td>
</tr>
<tr>
<td>STYCMP</td>
<td>At a campground</td>
</tr>
<tr>
<td>STYOBT</td>
<td>On board the boat</td>
</tr>
<tr>
<td>1</td>
<td>yes</td>
</tr>
<tr>
<td>2</td>
<td>no</td>
</tr>
<tr>
<td>dk</td>
<td></td>
</tr>
<tr>
<td>ref</td>
<td></td>
</tr>
</tbody>
</table>

NOTE ANY CONFUSION WITH THIS SERIES.
WHAT DID YOU THINK ABOUT WHEN YOU DECIDED WHETHER YOU’D STAYED AWAY FROM HOW ON THE TRIP?
IF THEY STAYED ON BOARD THE BOAT, THEN ASK

STYOBTN How many nights did you stay onboard the boat?

RECORD NUMBER

IF STAYED AWAY FROM HOME, THEN ASK

TRPDYS How many total separate days did you take the boat out on the water on this trip?

RECORD NUMBER

TRPDIST How many miles did you travel by land on this trip to reach the place where the boat was kept or was launched?

RECORD MILES 0-9999

WHAT DID YOU THINK ABOUT TO DECIDED HOW FAR YOU TRAVELED?

At which type of launch sites or ramps was the boat put on the water during on this last trip? Did you start from…

LCHAG A launch site operated by a state boating or fishing agency
LCHGVT A launch site operated by a county or local government
LCHFED A launch site operated by a federal agency
IF NECESSARY: such as the National Park Service, NOAA, U.S. Forest Service, Army Corps of Engineers, Fish and Wildlife Service, Bureau of Reclamation
LCHMR A launch site at a marina or dry stack
LCHPRV A privately owned or operated launch site

1 YES
2 NO
DK
REF

HOW DID YOU DECIDE WHAT KIND OF LAUNCH SITE YOU USED? WHAT DO EACH OF THESE MEAN TO YOU? ARE THERE ANY THAT ARE CONFUSING?

COGNITIVE INTVR NOTE: IS RESPONDENT BECOMING FATIGUED BY REPETITION?
Were the boat’s motors or engines operated during this trip?

1. YES
2. NO
DK
REF

IF YES THEN ASK

Approximately how many hours did you operate the boat’s motors or engines on this trip?

END MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

TRIP EXPENDITURES

The next questions concern money you spent on this trip on things other than the boat itself.

[As needed: Think about money you spent within 20 miles of your home while preparing for the trip.]

IF THEY TRAVELED MORE THAN 20 MILES

We'll ask you about money you spent traveling to and near the launch site in a moment.

IF THEY DID NOT TRAVEL MORE THAN 20 MILES, THEN ASK

How much did you spend for this trip on …

EXPNR_FUEL Boat fuel and oil:
EXPNR.Dock Temporary dockage or marina fee:
EXPNR.LNCH Pump-out and launch fees:
EXPNR_MEAL Restaurant meals and drinks:
EXPNR_GROC Groceries, take-out food and drinks:
EXPNR_GAS Auto gas and oil:
EXPNR_SHOP Shopping and souvenirs:
EXPNR_REC Recreation and entertainment:
EXPNR_LODG Lodging expenses:

RECORD AMOUNT 0-9999

IF THEY DID TRAVEL MORE THAN 20 MILES, THEN ASK

Before, you left home, how much did you spend for this trip on …
EXPNR_FUEL Boat fuel and oil:
EXPNR_DOCK Temporary dockage or marina fee:
EXPNR_LNCH Pump-out and launch fees:
EXPNR_MEAL Restaurant meals and drinks:
EXPNR_GROC Groceries, take-out food and drinks:
EXPNR_GAS Auto gas and oil:
EXPNR_SHOP Shopping and souvenirs:
EXPNR_REC Recreation and entertainment:
EXPNR_LODG Lodging expenses:

RECORD AMOUNT 0-9999

The next questions concern money you spent after you left home for the trip. After you left home, how much did you spend on…

EXPFR_FUEL Boat fuel and oil:
EXPFR_DOCK Temporary dockage or marina fee:
EXPFR_LNCH Pump-out and launch fees:
EXPFR_MEAL Restaurant meals and drinks:
EXPFR_GROC Groceries, take-out food and drinks:
EXPFR_GAS Auto gas and oil:
EXPFR_SHOP Shopping and souvenirs:
EXPFR_REC Recreation and entertainment:
EXPFR_LODG Lodging expenses:

RECORD AMOUNT 0-9999

HOW CONFIDENT ARE YOU THAT THE NUMBERS YOU PROVIDED ACCURATELY REFLECT YOUR EXPENDITURES

END ECONOMIC IMPACT OF RECREATIONAL BOATING

--------------------------------------------------------------------------------
Docked days

THIS SECTION IS VERY SIMILAR TO THE WATER SECTION. TO AVOID REDUNDANCY, WE DON'T ASK ABOUT EACH QUESTION AGAIN.

OBTAIN QUALIFIED RESPONDENT

ONBT1. On that day, were you personally on the boat?

YES
NO
DK
REF

IF NO, THEN ASK THE QUESTIONS IN THE BOX

ONBT2. Was someone else from your household on the boat?
yes
no
dk
ref

ONBT3. Were any of the members of your household who were present at least 16 years old?
yes
no
dk
ref

ONBT4. Would you say you know what happened on the trip including where the boat went and how long it was on the water?
yes
no
dk
ref

ONBTDATE. What date in [reference period] was [identifier]?

RECORD DATE

TRIP EXPOSURE

STATES WHERE BOATED

DLOC

What states were you in when you spent time on the boat while it was docked?
RECORD STATE, INCLUDE PUERTO RICO, VIRGIN ISLANDS, GUAM, AND OUTSIDE THE US

PEOPLE ON THE BOAT

Including you, how many people were on the boat while it was docked?
IF NECESSARY: WE'RE LOOKING FOR THE TOTAL NUMBER OF PEOPLE WHO WERE THERE MOST OF THE TIME WHILE YOU WERE ON THE BOAT
IF NECESSARY: WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY
RECORD NUMBER 1-997

BOAT HOURS

IF TRIP TYPE = DOCKED

DHIRS

On that day, how many hours did you spend on the boat while it was docked?
IF NECESSARY: WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY
RECORD NUMBER 1-24

NOTE ISSUES WITH DOCKED QUESTIONS SO FAR

BOATING SAFETY AWARENESS AND BEHAVIORS

ALCOHOL

ALC

On that day, did anyone on the boat drink alcohol?
1 YES
2 NO
DK
REF

LIFE JACKETS

LFJ_BT

Were there life jackets or preservers on the boat during if triptype=WATER then "that day" else if triptype=DOCKED then "[identifier]"? 
1 YES
2 NO
DK
Which of the following types of lifejackets were on the boat on [identifier]? Were there…

LFJOS Off-shore Life Jackets

IF NECESSARY: for surviving a long time in the open ocean

1 YES
2 NO
DK

REF

LFJOSn how many?

RECORD NUMBER

Were there…

LFJNS Near-shore Buoyant Vests

IF NECESSARY: for use close to the shore where rescue is quick. These turn you face up if you are unconscious

1 YES
2 NO
DK

REF

LFJNSn how many?

RECORD NUMBER
Were there…

LFJFA Flotation Aids

IF NECESSARY: for use in calm water close to shore. These help you float, but they won’t turn you face up if you’re unconscious.

1 YES
2 NO
DK
REF

LFJFAn how many?

RECORD NUMBER

Were there…

LFJTD Throwable Devices

IF NECESSARY: rings and other things you throw to people for them to grab and hold

1 YES
2 NO
DK
REF

LFJTDn how many?

RECORD NUMBER

Were there…

LFJSU Special Use Devices

IF NECESSARY: work vests and other suits designed to keep you safe while you do specific work.

1 YES
2 NO
DK
REF

LFJSUn how many?

RECORD NUMBER
IF THE PERSON WAS PERSONALLY PRESENT ON THE BOAT

LFJ_SLF

Did you wear a lifejacket all the time on [if triptype=WATER then "this day" else if triptype=DOCKED then "[identifier]" ]?

1 YES
2 NO
DK
REF

ASK THE FIRST QUESTION IN EACH PAIR BELOW. IF MORE THAN 0, ASK THE SECOND QUESTION.

C5
How many children under the age of 5 were on the boat for more than an hour while it was [if triptype=WATER then "on the water" else if triptype=DOCKED then "docked"]?
record number 0-997
LFJ_C5
How many of those children wore lifejackets all the time they were on the boat?
record number
C10
How many children aged 5 to 10 were on the boat for more than an hour while it was [if triptype=WATER then "on the water" else if triptype=DOCKED then "docked"]?
record number
LFJ_C10
How many of those children wore lifejackets all the time they were on the boat?
record number
C15
How many people aged 10 to 15 were on the boat for more than an hour while it was [if triptype=WATER then "on the water" else if triptype=DOCKED then "docked"]?
record number
LFJ_C15
How many of those people wore lifejackets all the time they were on the boat?
record number
AD
How many people 16 and older were on the boat for more than an hour while it was [if triptype=WATER then "on the water" else if triptype=DOCKED then "docked"]?
record number
LFJ_AD
How many of those people wore lifejackets all the time they were on the boat?
record number
NOTE ISSUES WITH THE LIFEJACKET QUESTIONS

OTHER SAFETY EQUIPMENT

Which of the following were on the boat on [identifier]? Was there…

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFFA</td>
<td>First aid kit</td>
</tr>
<tr>
<td>SFROPE</td>
<td>Safety rope</td>
</tr>
<tr>
<td>SFHOOK</td>
<td>Equipment for reaching someone in the water such as a boat hook or similar piece of equipment</td>
</tr>
<tr>
<td>SFEXT</td>
<td>Fire extinguisher</td>
</tr>
<tr>
<td>SFVDIST</td>
<td>Visual distress signals</td>
</tr>
<tr>
<td>SFSDIST</td>
<td>Sound signals</td>
</tr>
<tr>
<td>SFEPIRB</td>
<td>Emergency Position Indicating Radio Beacon-EPIRB</td>
</tr>
</tbody>
</table>

1 YES
2 NO
DK
REF
For the items that are endorsed in the question above, ask:

On that day did you use …

SFSA USED First aid kit
SFROPE USED Safety rope
SFHOOK USED Equipment for reaching someone in the water such as a boat hook or similar piece of equipment
SFEXT USED Fire extinguisher
SFVDIST USED Visual distress signals
SFSDIST USED Sound signals
SFEPISR USED Emergency Position Indicating Radio Beacon-EPIRB

1 YES
2 NO
DK
REF

Note issues with safety questions

End safety awareness and behaviors
NEGATIVE EVENT INCIDENCE AND RISK

NEGATIVE EVENTS

Did any of the following occur on that day…

ACC_OVBRD Someone fell overboard
ACC_FLD The boat capsized, flooded, or swamped

1 YES
2 NO
DK
REF

FOR THE ITEMS ABOVE, IF THEY HAPPENED, ASK

On that day, how many times did

ACC_OVBRD_N  Someone fall overboard  ____________
ACC_FLD_N  The boat capsize, flood, or swamp  ____________

On this trip, how many times did you report to the authorities that…

ACC_OVBRD_RPT  Someone fell overboard  ______
ACC_FLD_RPT  The boat capsized, flooded, or swamped  ______

NOTE ISSUES WITH NEGATIVE EVENTS

DAMAGE TO PEOPLE AND VESSELS

IF THERE WERE ANY INCIDENTS, THEN ASK

On that day, did any of these incidents involve

ACC_DAMAGE Damage to vessels or other property of $2,000 or more, or complete loss of any vessel
ACC_INJURY An injury requiring medical treatment or first aid

1 YES
2 NO
DK
REF

That’s all the questions I have for today. Thanks so much for your help
RECOMMENDED SURVEY: TELEPHONE

/ALL/

INTRO1
Hello, may I please speak to [sample name]?

[IF THE PERSON ON THE PHONE ASKS WHY YOU ARE CALLING: “This is [name]. I’m calling on behalf of the US Coast Guard. [Sample name] agreed to help us with a survey about a recreational boat. "]

01 ON THE PHONE
02 SUCCESSFUL TRANSFER
03 CALL BACK
99 REFUSAL

/IF INTRO1 IN (01,02)/
/IF IT IS THE RIGHT PERSON OR A SUCCESSFUL TRANSFER/

INTRO2
Hello, my name is [full name]. I’m calling on behalf of the United States Coast Guard. A while ago, you filled out a survey about your boat for us, and said we could contact you again. I just have a few questions about trips your boat has been out on in the last [reference period].

01 CONTINUE
03 CALL BACK
99 REFUSAL

/IF INTRO2=01/
/IF THE RESPONDENT IS CONTINUING/

INFO. I won't ask for your name, address, or other personal information that can identify you. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 5 minutes. The United States Coast Guard is interested in how Americans spend their free time.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

We’ll send you a $5 honorarium for your time for completing the survey.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]

01 YES
02 NO
BTELIG
Did you own the boat on January first of this year?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

STILLBT
Do you still own the boat?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF BTELIG IN (02,97,99), THEN THANK AND TERMINATE, REMOVE RESPONDENT FROM BOAT PANEL/
/IF RESPONDENT DID NOT HAVE BOAT ON JANUARY FIRST OF THIS YEAR, THEN TERMINATE AND REMOVE RESPONDENT FROM BOAT PANEL/
/IF BTELIG=01/
/IF RESPONDENT OWNED BOAT ON JANUARY OF THIS YEAR/
**Water Days**

**IDENTIFY WATER RECREATION DAYS**

*IF STILLBT=01/
*IF RESPONDENT OWNS THE BOAT/
*THROUGHOUT, "REFERENCE PERIOD" SHOULD BE THE NAME OF THE MOST RECENT MONTH/

WTRIP

During [reference period], was there any day when the boat went out on the water? Please include times when your boat was used but you were not on it.

[IF NECESSARY: “We’re interested in trips that the boat made whether you were present or not.”]

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

*IF WTRIP=01/
*IF THE BOAT WENT OUT ON THE WATER/
*RANGE=1-31/

WTRN

On how many days in [reference period] did the boat go out on the water?

[IF NECESSARY: “WE'RE JUST INTERESTED IN DAYS THAT YOU ACTUALLY PUT THE BOAT ON THE WATER. IF YOU WERE ON THE WATER FOR TWO OR MORE DAYS, TELL ME THE FIRST DAY.”]

RECORD NUMBER 1-31
97 DON’T KNOW
99 REFUSED
THE SURVEY WILL HAVE UP TO TWO TRIP REPORTS. HERE, WE SET A FLAG TO TELL US HOW MANY TRIPS WE’LL PROFILE. THEN FOR EACH WATER DAY, WE’LL PICK ONE OF THE TRIPS FROM THE SET OF WTRN
IF WTRN=1 THEN WPROFILES=1
ELSE IF WTRN>1 THEN WPROFILES=2
ELSE WPROFILES=0

FIRST WATER DAY

/PICK THE FIRST WATER DAY
/IF WPROFILES IN (1, 2) THEN
SELECT A RANDOM INTEGER 1 TO WTRN=TRIP1
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’ SAY

First, I’m going to ask about one particular day the boat was on the water. My computer has randomly selected to talk about the [identifier] day.

OBTAIN QUALIFIED RESPONDENT

/IF STILLBT=01/
/IF RESPONDENT OWNS THE BOAT/

ONBT1. On the [identifier] day the boat went out, were you personally on the boat?
01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF ONBT1=01 THEN TRIP ELIG=1/
/IF ONBT1 IN (02,97,99)/

ONBT2. Was someone else from your household on the boat?
01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF ONBT2 IN (02,97,99), TERMINATE TRIP REPORT. DO NOT TERMINATE THE SURVEY./
/TRIP ELIG=0/
/IF NOT ONE FROM THE HOUSEHOLD ON THE BOAT, NO TRIP REPORT/
/IF ONBT2=01/
/IF SOMEONE FROM THE HOUSEHOLD WAS ON THE BOAT/

ONBT3. Were any of the members of your household who were present at least 16 years old?
01 YES
02 NO
ONBT3. If ONBT3 is in (02, 97, 99), terminate trip report. Do not terminate the survey. If no one on the boat was of the household and at least 16, no trip report. If ONBT3 is 01, if household members present were at least 16 years of age.

ONBT4. Would you say you know what happened on the trip including where the boat went and how long it was on the water?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF ONBT4 = 01 THEN TRIP ELIG = 1/
/IF ONBT IN (02, 97, 99)/
/IF RESPONDENT KNOWS WHAT HAPPENED ON THE BOAT TRIP/

ONBTDATET. What date in [reference period] was [identifier]?

RECORD DATE
97 DON’T KNOW
99 REFUSED

/IF ONBT4 IN (02, 97, 99) THEN SET TRIP2 = TRIP1 AND RESELECT TRIP1 BETWEEN 1 AND WTRN WHERE TRIP 1 NE TRIP2
THIS WILL MEAN THAT WE HAVE A CHANCE TO COMPLETE A TRIP WITH THE PERSON ON THE PHONE BEFORE WE HAVE TO ASK FOR THE HAND-OFF.

TRIP REPORT HAND-OFF MODULE

/IF ONBT4 IN (02, 97, 99) REQUEST TRANSFER BELOW/

NEEDXFRTRIP

Can you transfer me to one of the people in your household who was present on the boat on [identifier]?

01 SUCCESSFUL TRANSFER
02 REFUSE TO TRANSFER
03 CALLBACK TO COMPLETE

/IF NEEDXFRTRIP = 003/
/THIS IS A SUCCESSFUL TRANSFER OR A CALLBACK/

XFRNUMTRIP. I’ll call back to talk to that person. Is there a better number I can call at?
XFRNAMEtrip. Can you give me a name to ask for when I call back?

[IF NECESSARY: “I just need a first name or some initials. Anything that will allow me to ask for the right person when I call back.”]

[IF NECESSARY: “The survey is completely confidential and anonymous. We won’t use any information like your name for any purpose other than contacting you to complete the survey.”]

INTRO1c

[If XFRNAME ne “”]: “Hello, may I please speak with [XFRNAME]?”. My name is [full name]. I spoke with [sample name] in your household about a boat you own, and I understand that you recently went out on the boat. The United States Coast Guard is conducting a short survey about boats to get information to make boating safer.

[IS RESPONDENT CONTINUING WITH THE INTERVIEW?]

01. YES
02. NO

[IF NECESSARY: “We recently called and spoke with someone else in your home about this survey. You were selected to participate.”]

[IF NECESSARY: “This is not a sales call. I have nothing to sell either now or later. This is an important survey about your opinions.”]

[IF NECESSARY: “Your number was selected randomly by a computer.”]

CELL1c. Is this a cell phone?

01. YES
02. NO
97. DON’T KNOW
118 REFUSED

/IF CEL1C=01 /
/IF RESPONDENT IS ON A CELL PHONE/

CELL2c. Your safety is important to us. Are you driving a car or other vehicle right now?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF CELL2C IN (01,97,99) THEN SET UNSCHEDULED CALLBACK/
/IF INTRO1C=01 AND CELL2C NOT IN (01,97,99)
/IF RESPONDENT IS CONTINUING WITH INTERVIEW/

AGEQUALc. Are you at least 16 years of age?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF AGEQUALC IN (02, 97, 99) THEN TERMINATE/
/SET TERMTYPE=AGEUSER/
/IF AGEQUALC=01/
/IF RESPONDENT IS CONTINUING WITH INTERVIEW/

INFOc. You are eligible to be interviewed. I won't ask for your name, address, or other personal information that can identify you. You don't have to answer any question you don't want to, and you can end the interview at any time. The interview will take about 5 minutes. The United States Coast Guard is interested in how Americans recreate.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]
01. YES
02. NO

/IF INFOC=01 THEN RESPXFR=1/
/IF INFOC=01/

TRIPREM We understand that you spent time on a boat owned by someone in your household on [identifier] in [reference period]. Do you remember that?
01 YES
02 NO
97  DON'T KNOW
99  REFUSED

*/IF TRIPREM IN (02,97,99) THEN TERMINATE THE TRIP/
*/TRIPELIG=0/
*/IF TRIPREM=01 THEN TRIPELIG=1/

END TRIP HAND-OFF MODULE

TRIP EXPOSURE

STATES WHERE BOATED

*/IF NOT MISSING TRIP1
*/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WLOC

On [identifier], which of the United States was the boat in when it went out on the water?

*/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01  ALABAMA
02  ALASKA
04  ARIZONA
05  ARKANSAS
06  CALIFORNIA
08  COLORADO
09  CONNECTICUT
10  DELAWARE
11  DISTRICT OF COLUMBIA
12  FLORIDA
13  GEORGIA
15  HAWAII
16  IDAHO
17  ILLINOIS
18  INDIANA
19  IOWA
20  KANSAS
21  KENTUCKY
22  LOUISIANA
23  MAINE
24  MARYLAND
25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING
96 OTHER (SPECIFY)
97 DON'T KNOW
99 REFUSED

IF WLOC=96
WLOCo Other location
RECORD LOCATION
On that day, did the boat go into states other than [WLOC]?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF WOTHST1=01/
/IF THE BOAT WENT TO MORE THAN ONE LOCATION/
/MULTIPUNCH/

Which ones?

/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01 ALABAMA
02 ALASKA
04 ARIZONA
05 ARKANSAS
06 CALIFORNIA
08 COLORADO
09 CONNECTICUT
10 DELAWARE
11 DISTRICT OF COLUMBIA
12 FLORIDA
13 GEORGIA
15 HAWAII
16 IDAHO
17 ILLINOIS
18 INDIANA
19 IOWA
20 KANSAS
21 KENTUCKY
22 LOUISIANA
23 MAINE
24 MARYLAND
25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING
96 OTHER (SPECIFY)
97 DON’T KNOW
99 REFUSED
IF WOTHST2=96

OTHST2o Other location

RECORD LOCATION
DK
REF
PEOPLE ON THE BOAT

/NOT MISSING TRIP1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WPPL

Including you, how many people went on the boat that day?

[IF NECESSARY: “How many people did you have with you most of the time?”]

RECORD NUMBER /RANGE=1-997/
97  DON'T KNOW
99  REFUSED

/IF WPPL>1
/IF THERE WAS MORE THAN ONE PERSON ON THE BOAT, THE RESPONDENT IS NECESSARILY OVER 16

WKIDS How many children under the age of 16 were on the boat?

ENTER RESPONSE /RANGE=0-10/
97  DK
99  REF

BOAT HOURS

/NOT MISSING TRIP1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

OVERNT

On that day, did the boat stay out on the water overnight?

01  YES
02  NO
97  DON'T KNOW
99  REFUSED

/IF OVERNT=01/
/IF THE BOAT STAYED ON THE WATER OVERNIGHT, COLLECT THE SETOUT AND RETURN TIMES, WE’LL CALCULATE HOURS FROM THESE/

LNCHTIME

About what time of day did [identifier] set out?

RECORD TIME
97  DON'T KNOW
99  REFUSED
DOCKDAY
How many days later did the boat dock again?

RECORD NUMBER
97  DON'T KNOW
99  REFUSED

DOCKTIME
About what time did the boat dock again the day it returned?

RECORD TIME
97  DON'T KNOW
99  REFUSED

PREWHRS  I'm going to ask you some questions about the whole trip starting on [identifier] to when the boat docked again on [//DOCKDAY]. Please answer for that whole time

WHRS
On that day, how many hours did the boat spend on the water before it was moored, docked, or taken out of the water again?

RECORD NUMBER 1-24
97  DON'T KNOW
99  REFUSED

/PUT A FLAG FOR PARTIAL COMPLETE HERE. TRIPS FOR WHICH HOURS DATA ARE AVAILABLE WILL COUNT TOWARD THE FINAL DATA./

TYPES OF WATER

/WRTYPE
On that day, did the boat go on any:

01 Brackish water?
[IF NECESSARY: “Brackish water is water where freshwater and saltwater are mixed.”]

02 freshwater?

03 Saltwater?
97 DON’T KNOW
99 REFUSED

/IF NOT MISSING TRIP 1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
MULTIPUNCH
INTERVIEWER CODED

WRBODY
What kinds of bodies of water did it go out on?

01 LAKE
02 BAY
03 RIVER
04 CANAL
05 INTERCOASTAL WATERWAY
06 OCEAN
07 OTHER (SPECIFY)
97 DON’T KNOW
99 REFUSED

IF WRBODY=07

WRBODYOTH
ENTER OTHER SPECIFY

END TRIP EXPOSURE

BOATING SAFETY AWARENESS AND BEHAVIORS

BOAT OPERATION

/LOAD VARIABLES PRIMOP, OWNSAFE, AND OWNEXP FROM THE BOAT SURVEY/
/IF NOT MISSING TRIP 1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WHOOP Did you personally operate the boat on that day?

01 YES
02 NO
OPSAFE
Have you ever taken a boat safety course?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

OPEXP
How experienced in the operation of the boat are you? Would you say…
01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced
97 DON'T KNOW
99 REFUSED

OPN
How many people other than yourself operated the boat?
RECORD NUMBER (1-5)
97 DON'T KNOW
99 REFUSED

OPAGE1-OPAGEN
How old was the first person other than you who operated the boat?
01 5 or younger,
02 6 to 10
How experienced in the operation of the [selected] boat was the [identifier] operator? Would you say…

01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced

97 DON'T KNOW
99 REFUSED

The next questions ask about activities you engaged in on that day. All your responses are anonymous and confidential

On that day, did anyone on the boat drink alcohol before or during the trip on the water

01 YES
02 NO
97 DON'T KNOW
99 REFUSED
ALCop
On that day, did anyone drink alcohol before or during operating the boat?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

LIFE JACKETS

LFJBT
Were there life jackets on the boat that day?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

LFJN
How many?
__ RECORD RESPONSE
97 DON'T KNOW
99 REFUSED

LFPBT
Were there life preservers or throwable devices on the boat that day?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED
/IF LFPBT=01/
/IF THERE WERE LIFE PRESERVERS OR THROWABLE DEVICES/
/RANGE=1-50/

LFPN

How many?

__ RECORD RESPONSE

97  DON'T KNOW
99  REFUSED

/IF (ONBOAT1=1 OR TRIPREM=1)
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

LFJSLF

Did you wear a lifejacket all the time on that day?

01  YES
02  NO
97  DON'T KNOW
99  REFUSED

/IF WKIDS>1 THEN ASK

How many children were on the boat who were:

WKID5  less than 6 years old
WKID10  6 to 10 years old
WKID15  11 to 15 years old

RECORD NUMBER FOR EACH

/IF WKID5>0 THEN ASK LJKID5/
/IF ONE OR MORE CHILDREN ON BOAT UNDER SIX YEARS OLD/

LJKID5

How many of the children who were less than 6 years old wore a lifejacket all the time?

/IF WKID10>0 THEN ASK LJKID10/
/IF ONE OR MORE CHILDREN ON BOAT AGED 6 TO 10/

LJKID10

How many of the children who were 6 to 10 years old wore a lifejacket all the time?

/IF WKID15>0 THEN ASK LJKID15/
/IF ONE OR MORE CHILDREN ON BOAT AGED 11 TO 15/

LJKID15

How many of the children who were 11 to 15 years old wore a lifejacket all the time?
IF (ONBOAT1=1 OR TRIPREM=1) AND WPPL>WKIDS+1
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT
AND THE TOTAL NUMBER OF PEOPLE IS GREATER THAN THE RESPONDENT + THE
CHILDREN
/RANGE=0-997/

LFJAD
Not including you, how many of the people aged 16 and over wore lifejackets all the time they were on the boat?

__ RECORD NUMBER
97 DON’T KNOW
99 REFUSED

MODULE: REASONS FOR LIFEJACKET USE

/IF LFJSLF=2 AND RANDUNIFORM<.1 /
ASK OF 10% OF RESPONDENTS WHO DIDN’T WEAR A LIFEJACKET ALL
THE TIME

LFJWHYA
Why did you not wear a lifejacket all the time?

RECORD RESPONSE
97 DON’T KNOW
99 REFUSED

/IF LFJC5=2 LFJC10=2 OR LFJC15=2 AND RANDUNIFORM<.1 /
ASK OF 10% OF RESPONDENTS WHO REPORT THAT ANY CHILD DIDN’T WEAR A LIFEJACKET ALL THE TIME.

LFJWHYC
You indicated that someone under 15 didn’t wear a lifejacket all the time. Can you tell me why that was?

RECORD RESPONSE
97 DON’T KNOW
99 REFUSED

END MODULE: REASONS FOR LIFEJACKET USE

OTHER SAFETY EQUIPMENT

/IF CATX NOT IN (4,5) /
/ASK IF BOAT TYPE IS NOT CANOE OR KAYAK/

Which of the following were on the boat on [identifier]? Was there…

SFFA First aid kit
SFHOOK  Equipment for reaching someone in the water such
SFEXT   Fire extinguisher
SFVDIST Visual distress signals such as flares
SFSDIST Sound signal such as a horn
SFEPIRB Emergency Position Indicating Radio Beacon-EPIRB
  01  YES
  02  NO
  97  DON’T KNOW
  99  REFUSED

USAGE OF SAFETY EQUIPMENT

/IF ANY OF SFFA-SFEPIRB =1
/IF THERE WAS ANY SAFETY EQUIPMENT ON THE BOAT
/SINGLE PUNCH

SFUSE   You indicated that you had a

SHOW ITEMS ENDORSED ABOVE
First aid kit
Equipment for reaching someone in the water
Fire extinguisher,
Visual distress signal
Sound signal
EPIRB.
Did you use any of those on the day for safety purposes we’ve been talking about?
  01  YES
  02  NO
  97  DON’T KNOW
  99  REFUSED

/IF SFUSE=01/
/IF YES, THEN ASK/
MULTIPUNCH

Which ones?
[DO NOT READ]
  SFFAUSED  FIRST AID KIT
  SFHOOKUSED  EQUIPMENT FOR REACHING SOMEONE IN THE WATER
  SFEXTUSED   FIRE EXTINGUISHER
**SFVDISTUSED**  VISUAL DISTRESS SIGNALS  
**SFSDISTUSED**  SOUND SIGNALS  
**SFEPIRBUSED**  EMERGENCY POSITION INDICATING RADIO BEACON-EPIRB

**END SAFETY AWARENESS AND BEHAVIORS**

**NEGATIVE EVENT INCIDENCE AND RISK**

**NEGATIVE EVENTS**

/LOAD HASMOT FROM BOAT SURVEY  
ASK IF HASMOT=1 OR CATX=2  
/ASK IF BOAT HAS A MOTOR OR BOAT TYPE=SAILBOAT/  
/MULTIPLE

On that day…

ACCCOLV  Did the boat collide with another vessel?  
ACCAGD  Did the boat run aground?  
ACCCOLF  Did the boat collide with a fixed or submerged object?  
ACCFLD  Did the boat capsize, flood, or swamp?  
ACCOVBRD  Did anyone fall overboard?  
ACCSKI  Was there a water-skier accident?  

ACCDK  DK  
ACCREF  REF

/IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI ) =1

On this trip, how many times …

/IF ACCCOLV=01/  
/IF THE BOAT COLLIDED WITH ANOTHER VESSEL/

ACCCOLVn  Did the boat collide with another vessel?  
RECORD RESPONSE/RANGE=1-10/  
97  DON'T KNOW  
99  REFUSED

/IF ACCAGD=01/  
/IF THE BOAT RAN AGROUND/

ACCAGDn  Did the boat run aground?  
RECORD RESPONSE/RANGE=1-10/  
97  DON'T KNOW
ACCCOLF n  Did the boat collide with a fixed or submerged object?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

ACCFLD n  Did the boat capsize, flood, or swamp?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

ACCOVBRDn  Did anyone fall overboard?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

ACCSKI n  Was there a water-skier accident?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

On this trip, how many times did you report to the authorities that…

ACCCOLVn  the boat collided with another vessel?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED
/IF ACCAGD=01/
/IF THE BOAT RAN AGROUND/

ACCAGDn  the boat ran aground?

RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

/IF ACCCOLF=01/
/IF THE BOAT COLLIDED WITH AN OBJECT/

ACCCOLF n  the boat collided with a fixed or submerged object?

RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

/IF ACCFLD=01/
/IF THE BOAT CAPSIZED, FLOODED, OR WAS SWAMPED/

ACCFLD n  the boat capsized, flooded, or swamped?

RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

/IF ACCOVBRD=01/
/IF SOMEONE FELL OVERBOARD/

ACCOVBRDn  someone fell overboard?

RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

/IF ACCSKI=01/
/IF THERE WAS A WATER-SKIIE ACCIDENT/

ACCSKI In  there was a water-skier accident?

RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

DAMAGE TO PEOPLE AND VESSELS

/IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI ) =1

Did any of these incidents involve:
**ACCDAMAGE** Damage to vessels or other property of $2,000 or more, or complete loss of any vessel?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

**ACCINJURY** An injury requiring medical treatment or first aid

01 YES
02 NO
97 DON'T KNOW
99 REFUSED
ECONOMIC IMPACT OF RECREATIONAL BOATING

Next, I’d like to talk about all the time you spent away from home that included the day on the water we’ve been talking about. These questions are about the time from when you left your house until you returned home again, which could be just the day or, or it could be several days.

/IF NOT MISSING TRIP1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

TRPDIST How far did you travel by land on this trip to reach the place where the boat was kept or was launched?

RECORD MILES /RANGE 0-9999/
97 DON'T KNOW
99 REFUSED

MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

/IF NOT MISSING TRIP1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

STYAWY. Did you stay away from home with your boat for one or more days on this trip?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF STYAWY=01/
/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/
/MULTIPLE

STYN. How many nights were you away from home on this trip?

RECORD NUMBER 0-996
97 DON'T KNOW
99 REFUSED

/IF STYAWY=01/
/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/

What type of lodging did you use on this trip? Did you stay

STYFF With friends or family
STYBB At a bed and breakfast
STYHTL At a hotel or motel
STYCMP At a campground
STYOBT On board the boat
STYDK   DK
STYREF  REF

/IF STYOBT=01/
/IF RESPONDENT STAYED ON THE BOAT/

STYOBTN How many nights did you stay onboard the boat?

RECORD NUMBER /RANGE=1-50/
97  DON'T KNOW
99  REFUSED

/IF STYAWY=01/
/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/

TRPDYS How many total days did you take the boat out on the water on this trip?

RECORD NUMBER /RANGE=1-50/
97  DON'T KNOW
99  REFUSED

/IF NOT MISSING TRIP1 AND CATX=2
MULTIPLE

At which types of launch sites or ramps was the boat launched on this trip? Was it launched at

LCHAG    A launch site operated by a state boating or fishing agency.
LCHGVT   A launch site operated by a county or local government
LCHFED   A launch site operated by a federal agency
     [IF NECESSARY: “such as the National Park Service, NOAA, U.S. Forest Service, Army Corps of Engineers, Fish and Wildlife Service, Bureau of Reclamation”]
LCHMR    A launch site at a marina or dry stack
LCHPRV   A privately owned/operated launch site

LCHDK    DK
LCHREF   REF

/LOAD HASMOT FROM BOAT SURVEY. /
/IF NOT MISSING TRIP1 AND HASMOT=1/
     IF THERE IS A VALID TRIP AND THERE IS A MOTOR

TRPMOT   Were the boat’s motors or engines operated during this trip?

01  YES
02  NO
97  DON'T KNOW
99  REFUSED
TRPMOTHR  Approximately how many hours did you operate the motors or engines on this trip?

   RECORD NUMBER
   97  DON'T KNOW
   99  REFUSED

END MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

TRIP EXPENDITURES

/IF NOT MISSING TRIP1

The next questions concern money you spent on this trip on things other than the boat itself.

/IF TRPDIST>20/

Think about money you spent within 20 miles of your home while preparing for the trip. We'll ask you about money you spent traveling to and near the launch site in a moment.

/IF NOT MISSING TRIP1

How much did you spend for this trip [if TRPDIST>20 then "before you left"] on …

/IF HASMOT=01/
   /IF BOAT HAS A MOTOR/

EXPNRFUEL Boat fuel and oil:

   RECORD NUMBER/RANGE=0-997/
   97  DON'T KNOW
   99  REFUSED

/IF CATX NOT IN (4,5) AND TPOX NE 2
   /IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPNRDock Temporary dockage or marina fee:

   RECORD NUMBER/RANGE=0-997/
   97  DON'T KNOW
   99  REFUSED

/IF CATX NOT IN (4,5) AND TPOX NE 2
   /IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPNRLNCH Pump-out and launch fees:

   RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRMEAL Restaurant meals and drinks:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF NOT MISSING TRIP1

EXPNRGROC Groceries, take-out food and drinks:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF NOT MISSING TRIP1

EXPNRGAS Auto gas and oil:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRSHOP Shopping and souvenirs:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF STYAWY=1 AND TRPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME
AND THEY STAYED AWAY FROM HOME

EXPNRLODG Lodging expenses (e.g., hotel, camping, and B&B):
The next questions concern money you spent after you left home for the trip. After you left home, how much did you spend on…

/if hasmot=01/
/if boat has a motor/

**EXPFRFUEL** Boat fuel and oil:

record number/range=0-997/
97  don’t know
99  refused

/If catx not in (4,5) and tpox ne 2
/if boat type not in canoe, kayak, inflatable/

**EXPFRDOCK** Temporary dockage or marina fee:

record number/range=0-997/
97  don’t know
99  refused

/If catx not in (4,5) and tpox ne 2
/if boat type not in canoe, kayak, inflatable/

**EXPFRRLNCH** Pump-out and launch fees:

record number/range=0-997/
97  don’t know
99  refused

/If trpdist>20/

**EXPFRMEAL** Restaurant meals and drinks:

record number/range=0-997/
97  don’t know
99  refused

/If trpdist>20/

**EXPFRGROC** Groceries, take-out food and drinks:

record number/range=0-997/
/IF TRPDIS T>20/

EXPFRGAS Auto gas and oil:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF TRPDIST>20/

EXPFRSHOP Shopping and souvenirs:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF TRPDIST>20/

EXPFRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

/IF STYAWY=1 AND /IF TRPDIST>20/ 
AND THEY STAYED AWAY FROM HOME

EXPFRLODG Lodging expenses (e.g., hotel, camping, and B&B):
RECORD NUMBER/RANGE=0-9997/
97 DON'T KNOW
99 REFUSED

END ECONOMIC IMPACT OF RECREATIONAL BOATING
SECOND WATER DAY

/PICK THE SECOND WATER DAY
/IF WPROFILES IN (2) THEN
SELECT A RANDOM INTEGER 1 TO WTRN=TRIP2
TRIP1 CANNOT EQUAL TRIP2
IF TTRIP1 ORIGINALLY REQUIRED A HAND-OFF, IT WAS MOVED TO TRIP2. COMPLETE THAT
HAND-OFF AND REPORT NOW BY POPULATING ONBT1-ONBTDATE FROM ABOVE
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’

Say

First, I’m going to ask about one particular day the boat was on the water. My computer has
randomly selected to talk about the [identifier] day.

OBTAIN QUALIFIED RESPONDENT

/IF STILLBT=01/
/IF RESPONDENT OWNS THE BOAT/

ONBT1. On the [identifier] day the boat went out, were you personally on the boat?
01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF ONBT1=01 THEN TRIPELIG=1/
/IF ONBT1 IN (02,97,99)/

ONBT2. Was someone else from your household on the boat?
01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF ONBT2 IN (02,97,99), TERMINATE TRIP REPORT. DO NOT TERMINATE THE SURVEY./
/TRIPELIG=0/
/IF NOT ONE FROM THE HOUSEHOLD ON THE BOAT, NO TRIP REPORT/
/IF ONBT2=01/
/IF SOMEONE FROM THE HOUSEHOLD WAS ON THE BOAT/

ONBT3. Were any of the members of your household who were present at least 16 years old?
01 YES
02 NO
97 DON’T KNOW
99 REFUSED
ONBT3. If ONBT3 is in (02,97,99), terminate trip report. Do not terminate the survey.
TRIP ELIG=0

If no one on the boat was of the household and at least 16, no trip report.
ONBT3=01
If household members present were at least 16 years of age:

ONBT4. Would you say you know what happened on the trip including where the boat went and how long it was on the water?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

ONBTDATE. What date in [reference period] was [identifier]?

RECORD DATE
97 DON'T KNOW
99 REFUSED

TRIP REPORT HAND-OFF MODULE

NEEDXFRtrip

If ONBT4 is in (02,97,99), request transfer below.

Can you transfer me to one of the people in your household who was present on the boat on [identifier]?

01 SUCCESSFUL TRANSFER
02 REFUSE TO TRANSFER
03 CALLBACK TO COMPLETE

If NEEDXFRTRIP=003:

This is a successful transfer or a callback.

XFRNUMtrip. I’ll call back to talk to that person. Is there a better number I can call at?

01 YES—RECORD NUMBER
02 NO
97 DON'T KNOW
99 REFUSED
XFRNAMEtrip. Can you give me a name to ask for when I call back?

[IF NECESSARY: “I just need a first name or some initials. Anything that will allow me to ask
for the right person when I call back.”]

[IF NECESSARY: “The survey is completely confidential and anonymous. We won’t use any
information like your name for any purpose other than contacting you to complete the survey. “]

01 RECORD NAME—SCHEDULE CALLBACK
97 DON’T KNOW
99 REFUSED

/IF INTRO1c=01 AND
/IF RESPONDENT IS CONTINUING WITH THE INTERVIEW/

CELL1c. Is this a cell phone?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF CELL1c=01 /
/IF RESPONDENT IS ON A CELL PHONE/

CELL2c. Your safety is important to us. Are you driving a car or other vehicle right now?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF CELL2C IN (01,97,99) THEN SET UNSCHEDULED CALLBACK/
/IF INTRO1C=01 AND CELL2C NOT IN (01,97,99)
/IF RESPONDENT IS CONTINUING WITH INTERVIEW/

AGEQUALc. Are you at least 16 years of age?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF AGEQUALC IN (02, 97, 99) THEN TERMINATE/
/SET TERMTYPE=AGEUSER/
/IF AGEQUALC=01/
/IF RESPONDENT IS CONTINUING WITH INTERVIEW/

INFOc. You are eligible to be interviewed. I won't ask for your name, address, or other personal information that can identify you. You don't have to answer any question you don't want to, and you can end the interview at any time. The interview will take about 5 minutes. The United States Coast Guard is interested in how Americans recreate.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]  
01. YES
02. NO

/IF INFOC=01 THEN RESPXFR=1/
/IF INFOC=01/

TRIPREM We understand that you spent time on a boat owned by someone in your household on [identifier] in [reference period]. Do you remember that?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED
/IF TRIPREM IN (02,97,99) THEN TERMINATE THE TRIP/
/TRIPELIG=0/
/IF TRIPREM=01 THEN TRIPELIG=1/

END TRIP HAND-OFF MODULE

TRIP EXPOSURE

STATES WHERE BOATED

/IF NOT MISSING TRIP2
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WLOC

On [identifier], which of the United States was the boat in when it went out on the water?

/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01 ALABAMA
02 ALASKA
04 ARIZONA
05 ARKANSAS
06 CALIFORNIA
08 COLORADO
09 CONNECTICUT
10 DELAWARE
11 DISTRICT OF COLUMBIA
12 FLORIDA
13 GEORGIA
15 HAWAII
16 IDAHO
17 ILLINOIS
18 INDIANA
19 IOWA
20 KANSAS
21 KENTUCKY
22 LOUISIANA
23 MAINE
24 MARYLAND
25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
| 28 | MISSISSIPPI          |
| 29 | MISSOURI            |
| 30 | MONTANA             |
| 31 | NEBRASKA            |
| 32 | NEVADA              |
| 33 | NEW HAMPSHIRE       |
| 34 | NEW JERSEY          |
| 35 | NEW MEXICO          |
| 36 | NEW YORK            |
| 37 | NORTH CAROLINA      |
| 38 | NORTH DAKOTA        |
| 39 | OHIO                |
| 40 | OKLAHOMA            |
| 41 | OREGON              |
| 42 | PENNSYLVANIA        |
| 44 | RHODE ISLAND        |
| 45 | SOUTH CAROLINA      |
| 46 | SOUTH DAKOTA        |
| 47 | TENNESSEE           |
| 48 | TEXAS               |
| 49 | UTAH                |
| 50 | VERMONT             |
| 51 | VIRGINIA            |
| 53 | WASHINGTON          |
| 54 | WEST VIRGINIA       |
| 55 | WISCONSIN           |
| 56 | WYOMING             |
| 96 | OTHER (SPECIFY)     |
| 97 | DON'T KNOW          |
| 99 | REFUSED             |

*IF WLOC=96*

**WLOCo Other location**

```
RECORD LOCATION
DK
REF
```
On that day, did the boat go into states other than [WLOC]?
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

  IF WOTHST1=01/
  IF THE BOAT WENT TO MORE THAN ONE LOCATION/
  MULTIPUNCH/

Which ones?

STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

  01 ALABAMA
  02 ALASKA
  04 ARIZONA
  05 ARKANSAS
  06 CALIFORNIA
  08 COLORADO
  09 CONNECTICUT
  10 DELAWARE
  11 DISTRICT OF COLUMBIA
  12 FLORIDA
  13 GEORGIA
  15 HAWAII
  16 IDAHO
  17 ILLINOIS
  18 INDIANA
  19 IOWA
  20 KANSAS
  21 KENTUCKY
  22 LOUISIANA
  23 MAINE
  24 MARYLAND
  25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING
96 OTHER (SPECIFY)
97 DON'T KNOW
99 REFUSED

IF WOTHST2=96
OTHST2o Other location
RECORD LOCATION
DK
PEOPLE ON THE BOAT

/IF NOT MISSING TRIP2
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WPPL
Including you, how many people went on the boat that day?

[IF NECESSARY: “How many people did you have with you most of the time?”]

RECORD NUMBER /RANGE=1-997/
97  DON‘T KNOW
99  REFUSED

/IF WPPL>1
/IF THERE WAS MORE THAN ONE PERSON ON THE BOAT; THE RESPONDENT IS NECESSARILY OVER 16

WKIDS How many children under the age of 16 were on the boat?

ENTER RESPONSE /RANGE=0-10/
97  DK
99  REF

BOAT HOURS

/IF NOT MISSING TRIP2
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

OVERNT
On that day, did the boat stay out on the water overnight?

01  YES
02  NO
97  DON‘T KNOW
99  REFUSED

/IF OVERNT=01/
/IF THE BOAT STAYED ON THE WATER OVERNIGHT, COLLECT THE SETOUT AND RETURN TIMES, WE‘LL CALCULATE HOURS FROM THESE/

LNCHTIME
About what time of day did [identifier] set out?

RECORD TIME
97  DON‘T KNOW
99  REFUSED
DOCKDAY

How many days later did the boat dock again?

RECORD NUMBER
97  DON'T KNOW
99  REFUSED

DOCKTIME

About what time did the boat dock again the day it returned?

RECORD TIME
97  DON'T KNOW
99  REFUSED

PREWHRS  I'm going to ask you some questions about the whole trip starting on [identifier] to when the boat docked again on [//popin]. Please answer for that whole time

WHRS

On that day, how many hours did the boat spend on the water before it was moored, docked, or taken out of the water again?

RECORD NUMBER 1-24
97  DON'T KNOW
99  REFUSED

TYPES OF WATER

/IF NOT MISSING TRIP2
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/MULTIPUNCH

WRTYPE
On that day, did the boat go on any:

01 Brackish water?

[IF NECESSARY: “Brackish water is water where freshwater and saltwater are mixed.”]

02 freshwater?

03 Saltwater?

97 DON’T KNOW

99 REFUSED

/IF NOT MISSING TRIP2
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
MULTIPUNCH
INTERVIEWER CODED

WRBODY

What kinds of bodies of water did it go out on?

01 LAKE

02 BAY

03 RIVER

04 CANAL

05 INTERCOASTAL WATERWAY

06 OCEAN

07 OTHER (SPECIFY)

97 DON’T KNOW

99 REFUSED

/IF WRBODY=07

WRBODYOTH

ENTER OTHER SPECIFY

END TRIP EXPOSURE

BOATING SAFETY AWARENESS AND BEHAVIORS

BOAT OPERATION

/LOAD VARIABLES PRIMOP, OWNSAFE, AND OWNEXP FROM THE BOAT SURVEY/
/IF NOT MISSING TRIP2
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WHOOP Did you personally operate the boat on that day?

01 YES

02 NO
OPSAFE

Have you ever taken a boat safety course?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF WHOOP=1 AND TRIPREM=1
/IF RESPONDENT PERSONALLY OPERATED THE BOAT
AND THE RESPONDENT TO THIS TRIP IS DIFFERENT FROM THE RESPONDENT TO THE LAST TRIP (TRIPREM REFERS TO THE HAND-OFF)

OPEXP

How experienced in the operation of the boat are you? Would you say…

01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced
97 DON'T KNOW
99 REFUSED

/IF WHOOP=1 AND TRIPREM=1
/IF RESPONDENT PERSONALLY OPERATED THE BOAT
AND THE RESPONDENT TO THIS TRIP IS DIFFERENT FROM THE RESPONDENT TO THE LAST TRIP (TRIPREM REFERS TO THE HAND-OFF)

OPN

How many people other than yourself operated the boat?

RECORD NUMBER (1-5)
97 DON'T KNOW
99 REFUSED

/IF (ONBOAT1=1 OR TRIPREM=1) AND WPPL>1/
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT AND MORE PEOPLE THAN THE RESPONDENT WERE PRESENT ON THE BOAT /

OPAGE1-OPAGEN

How old was the first person other than you who operated the boat?
01 5 or younger,  
02 6 to 10  
03 11 to 15  
04 16 to 17  
05 18 to 24  
06 25 to 34  
07 35 to 44  
08 45 to 54  
09 55 to 64  
10 Over 65  
97 DON'T KNOW  
99 REFUSED  

/FOR EACH PERSON IN OPN/  

OPEXP1-OPEXPN  
How experienced in the operation of the [selected] boat was the [identifier] operator? Would you say…  
01 Very experienced  
02 Somewhat experienced  
03 Somewhat inexperienced  
04 Very inexperienced  
97 DON'T KNOW  
99 REFUSED  

ALCOHOL  

/IF (ONBOAT1=1 OR TRIPREM=1)  
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT  
The next questions ask about activities you engaged in on that day. All your responses are anonymous and confidential  

/IF (ONBOAT1=1 OR TRIPREM=1)  
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT  

ALC  
On that day, did anyone on the boat drink alcohol before or during the trip on the water  
01 YES  
02 NO
On that day, did anyone drink alcohol before or during operating the boat?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

LIFE JACKETS

IF (ONBOAT1=1 OR TRIPREM=1)
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

In the second trip report, respondents have the opportunity to confirm that the same lifejackets (and no additional ones) were on the boat on that day.

IF (ONBOAT1=1 OR TRIPREM=1)
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

LFJSAMETRIP2. I have down that on another day the boat was carrying [LFJN_TRIP1] life jackets and [LFPN_TRIP1] life preservers. Were all those on the boat on this day?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

IF LFJTRIP2=1
IF ALL THE SAME EQUIPMENT WAS ON THE BOAT

LFJMORETRIP2. Were there any additional life jackets or preservers on the boat on this day?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

ONLY IF THE EQUIPMENT ON THE BOAT IS DIFFERENT FROM THE EQUIPMENT REPORTED IN TRIP1 ARE THE FOLLOWING QUESTIONS ASKED

IF LFJTRIP1 IN (2,97,99)
IF THE SAME EQUIPMENT WASN’T ON THE BOAT

LFJBT
Were there life jackets on the boat that day?
  01  YES
  02  NO
  97  DON'T KNOW
  99  REFUSED

  /IF LFJBT=01 OR LFJMORETRIP2=1/
  /IF THE SAME EQUIPMENT WASN’T ON THE BOAT OR IF THERE WERE ADDITIONAL LIFE JACKETS

LFJN
  How many life jackets were there?
  __ RECORD RESPONSE/RANGE 1-50/
  97  DON'T KNOW
  99  REFUSED

  /IF LFJTRIP1 IN (2,97,99)
  /IF THE SAME EQUIPMENT WASN’T ON THE BOAT

LFPBT
Were there life preservers or throwable devices on the boat that day?
  01  YES
  02  NO
  97  DON'T KNOW
  99  REFUSED

  /IF LFJTRIP1 IN (2,97,99)
  /IF THE SAME EQUIPMENT WASN’T ON THE BOAT

LFPN
  How many life preservers were there?
  __ RECORD RESPONSE
  97  DON'T KNOW
  99  REFUSED

  /IF (ONBOAT1=1 OR TRIPREM=1)
  /ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

LFJSLF
Did you wear a lifejacket all the time on that day?
  01  YES
  02  NO
IF WKIDS > 1 THEN ASK

How many children were on the boat who were:

WKID5 less than 6 years old
WKID10 6 to 10 years old
WKID15 11 to 15 years old

RECORD NUMBER FOR EACH

/IF WKID5 > 0 THEN ASK LJ KID5/
/IF ONE OR MORE CHILDREN ON BOAT UNDER SIX YEARS OLD/

LJKID5

How many of the children who were less than 6 years old wore a lifejacket all the time?

/IF WKID10 > 0 THEN ASK LJ KID10/
/IF ONE OR MORE CHILDREN ON BOAT AGED 6 TO 10

LJKID10

How many of the children who were 6 to 10 years old wore a lifejacket all the time?

/IF WKID15 > 0 THEN ASK LJ KID15/
/IF ONE ORE MORE CHILDREN ON BOAT AGED 11 TO 15/

LJKID15

How many of the children who were 11 to 15 years old wore a lifejacket all the time?

/IF (ONBOAT1 = 1 OR TRIPREM = 1) AND WPPL > WKIDS + 1
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT
AND THE TOTAL NUMBER OF PEOPLE IS GREATER THAN THE RESPONDENT + THE CHILDREN
/RANGE=0-997/

LFJAD

Not including you, how many of the people aged 16 and over wore lifejackets all the time they were on the boat?

__ RECORD NUMBER

97  DON'T KNOW

99  REFUSED
REASONS FOR LIFEJACKET USE IS ASKED IN THE FIRST TRIP REPORT BUT NOT THE SECOND

END MODULE: REASONS FOR LIFEJACKET USE

OTHER SAFETY EQUIPMENT

AGAIN, IN THE SECOND TRIP REPORT, RESPONDENTS HAVE THE OPPORTUNITY TO CONFIRM THE INFORMATION THEY ALREADY PROVIDED ABOUT EQUIPMENT ON THE BOAT.

IF CATX NOT IN (4,5) AND SFFATRIP1 = SFEPIRBTRIP1 ARE POPULATED /ASK IF BOAT TYPE IS NOT CANOE OR KAYAK AND SAFETY EQUIPMENT INFORMATION WAS COLLECTED BEFORE/

SFSAMETRIP2. I have down in a previous report that the boat was carrying [pop in all of SFFA, SFHOOK, SFEXT, SFVDIST, SFSDIST, SFEPIRB that were endorsed in TRIP1]. Were all of those on the boat on this day?

  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

IF SFSAMETRIP=1 AND ALL OF SFFATRIP1 = SFEPIRBTRIP1 ARE NOT ENDORSED IF ALL THE SAME EQUIPMENT WAS ON BOARD, AND IT DIDN’T INCLUDE EVERYTHING IN THE ORIGINAL LIST

SFMORETRIP2. Was there a [pop in all of SFFA, SFHOOK, SFEXT, SFVDIST, SFSDIST, SFEPIRB that were NOT endorsed in TRIP1]?

  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

IF SFMORETRIP2=1

Which ones?

SHOW ITEMS POPPED INTO SFMORETRIP2

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFFA</td>
<td>FIRST AID KIT</td>
</tr>
<tr>
<td>SFHOOK</td>
<td>EQUIPMENT FOR REACHING SOMEONE IN THE WATER SUCH</td>
</tr>
<tr>
<td>SFEXT</td>
<td>FIRE EXTINGUISHER</td>
</tr>
<tr>
<td>SFVDIST</td>
<td>VISUAL DISTRESS SIGNALS SUCH AS FLARES</td>
</tr>
<tr>
<td>SFSDIST</td>
<td>SOUND SIGNAL SUCH AS A HORN</td>
</tr>
<tr>
<td>SFEPIRB</td>
<td>EMERGENCY POSITION INDICATING RADIO BEACON-EPIRB</td>
</tr>
</tbody>
</table>
IF THEY DO NOT CONFIRM, THE ORIGINAL SERIES IS ASKED AGAIN

IF SFSAMETRIP2 IN (2, 97, 99)
Which of the following were on the boat on [identifier]? Was there…
SFFA  First aid kit
SFFHOOK   Equipment for reaching someone in the water such
SFEXT    Fire extinguisher
SFVDIST  Visual distress signals such as flares
SFSDIST  Sound signal such as a horn
SFEPIRB  Emergency Position Indicating Radio Beacon-EPIRB
  01  YES
  02  NO
  97  DON'T KNOW
  99  REFUSED

USAGE OF SAFETY EQUIPMENT
-----------------------------------------------------------------------------------------------------------------------------

/IF ANY OF SFFA-SFEPIRB =1
/IF THERE WAS ANY SAFETY EQUIPMENT ON THE BOAT
/SINGLE PUNCH

SFUSE    You indicated that you had a

                      SHOW ITEMS ENDORSED ABOVE IN TRIP2 OR ELSE IF SFSAMETRIP2=1 AND SFMORETRIP2=2 THEN SHOW SFFATRIP1 -SFEPIRBTRIP1 THAT ARE ENDORSED

First aid kit
Equipment for reaching someone in the water
Fire extinguisher,
Visual distress signal
Sound signal
EPIRB.
Did you use any of those on the day for safety purposes we’ve been talking about?
  01  YES
  02  NO
  97  DON'T KNOW
  99  REFUSED

160
Which ones?

[DO NOT READ]

SFFAUSED  FIRST AID KIT
SFHOOKUSED  EQUIPMENT FOR REACHING SOMEONE IN THE WATER
SFEXTUSED  FIRE EXTINGUISHER
SFVDISTUSED  VISUAL DISTRESS SIGNALS
SFSDISTUSED  SOUND SIGNALS
SFEPIRBUSED  EMERGENCY POSITION INDICATING RADIO BEACON-EPIRB

END SAFETY AWARENESS AND BEHAVIORS

NEGATIVE EVENT INCIDENCE AND RISK

NEGATIVE EVENTS

/LOAD HASMOT FROM BOAT SURVEY
ASK IF HASMOT=1 OR CATX=2
/ASK IF BOAT HAS A MOTOR OR BOAT TYPE=SAILBOAT/
/MULTIPLE

On that day…

ACCCOLV  Did the boat collide with another vessel?
ACCAGD  Did the boat run aground?
ACCCOLF  Did the boat collide with a fixed or submerged object?
ACCFLD  Did the boat capsize, flood, or swamp?
ACCOVBRD  Did anyone fall overboard?
ACCSKI  Was there a water-skier accident?
ACCDK  DK
ACCREF  REF

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

On this trip, how many times …

/IF ACCCOLV=01/
/IF THE BOAT COLLIDED WITH ANOTHER VESSEL/

ACCCOLVn  Did the boat collide with another vessel?
RECORD RESPONSE/RANGE=1-10/
ACCAGDn Did the boat run aground?
RECORD RESPONSE/RANGE=1-10/
97 DON'T KNOW
99 REFUSED

ACCCOLFn Did the boat collide with a fixed or submerged object?
RECORD RESPONSE/RANGE=1-10/
97 DON'T KNOW
99 REFUSED

ACCFLDn Did the boat capsize, flood, or swamp?
RECORD RESPONSE/RANGE=1-10/
97 DON'T KNOW
99 REFUSED

ACCOVBRDn Did anyone fall overboard?
RECORD RESPONSE/RANGE=1-10/
97 DON'T KNOW
99 REFUSED

ACCSKI Is there a water-skier accident?
RECORD RESPONSE/RANGE=1-10/
97 DON'T KNOW
99 REFUSED
On this trip, how many times did you report to the authorities that…

/IF ACCCOLV=01/
/IF THE BOAT COLLIDED WITH ANOTHER VESSEL/

ACCCOLVn  the boat collided with another vessel?
RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCAGD=01/
/IF THE BOAT RAN AGROUND/

ACCAGDn  the boat ran aground?
RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCCOLF=01/
/IF THE BOAT COLLIDED WITH AN OBJECT/

ACCCOLF n  the boat collided with a fixed or submerged object?
RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCFLD=01/
/IF THE BOAT CAPSIZED, FLOODED, OR WAS SWAMPED/

ACCFLD n  the boat capsized, flooded, or swamped?
RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCOVBRD=01/
/IF SOMEONE FELL OVERBOARD/

ACCOVBRDn  someone fell overboard?
RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED
IF ACCSKI=01/
IF THERE WAS A WATER-SKIIER ACCIDENT/

ACCSKIn there was a water-skier accident?

RECORD RESPONSE/RANGE=1-10/
  97 DON'T KNOW
  99 REFUSED

DAMAGE TO PEOPLE AND VESSELS

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

Did any of these incidents involve:

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

ACCDAMAGE Damage to vessels or other property of $2,000 or more, or complete loss of any vessel?
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

ACCNJURY An injury requiring medical treatment or first aid
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED
Next, I’d like to talk about all the time you spent away from home that included the day on the water we’ve been talking about. These questions are about the time from when you left your house until you returned home again, which could be just the day or, or it could be several days.

**/IF NOT MISSING TRIP 2/**

TRPUNQ Were the two days we have talked about on the same trip?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

**/IF TRPUNQ=2/**

TRPDIST How far did you travel by land on this trip to reach the place where the boat was kept or was launched?

RECORD MILES /RANGE 0-9999/
97 DON’T KNOW
99 REFUSED

**MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS**

**/IF TRPUNQ=2/**

**/IF TRIP 2 DAY HAPPENED ON A DIFFERENT OUTING THAN TRIP 1/**

STYAWY. Did you stay away from home with your boat for one or more days on this trip?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

**/IF STYAWY=01/**

**/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/**

**/RANGE=0-996/**

STYN. How many nights were you away from home on this trip?

RECORD NUMBER 0-996
97 DON’T KNOW
99 REFUSED
What type of lodging did you use on this trip? Did you stay

- With friends or family (STYFF)
- At a bed and breakfast (STYBB)
- At a hotel or motel (STYHTL)
- At a campground (STYCMP)
- On board the boat (STYOBT)

/IF STYOBT=01/
If respondent stayed on the boat/

How many nights did you stay onboard the boat?

- RECORD NUMBER /RANGE=1-50/
- 97 DON’T KNOW
- 99 REFUSED

/IF TRIPUNQ=2 AND CATX=2 /
Multiple

At which types of launch sites or ramps was the boat launched on this trip? Was it launched at

- A launch site operated by a state boating or fishing agency (LCHAG)
- A launch site operated by a county or local government (LCHGVT)
- A launch site operated by a federal agency (LCHFED)
  [IF NECESSARY: “such as the National Park Service, NOAA, U.S. Forest Service, Army Corps of Engineers, Fish and Wildlife Service, Bureau of Reclamation”]
- A launch site at a marina or dry stack (LCHMR)
- A privately owned/operated launch site (LCHPRV)

/IF STYAWY=01/
If respondent stayed with boat for one or more days/

/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/
/Multiple
TRPMOT  Were the boat’s motors or engines operated during this trip?
  01  YES
  02  NO
  97  DON’T KNOW
  99  REFUSED

TRPMOTHR  Approximately how many hours did you operate the motors or engines on this trip?
  RECORD NUMBER
  97  DON’T KNOW
  99  REFUSED

END MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

TRIP EXPENDITURES

The next questions concern money you spent on this trip on things other than the boat itself.

Think about money you spent within 20 miles of your home while preparing for the trip. We'll ask you about money you spent traveling to and near the launch site in a moment.

How much did you spend for this trip [if TRPDIST>20 then "before you left"] on …

EXPNRFUEL Boat fuel and oil:
  RECORD NUMBER/RANGE=0-997/
  97  DON’T KNOW
  99  REFUSED
EXPNRDOCK Temporary dockage or marina fee:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

EXPNRLNCH Pump-out and launch fees:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

EXPNRMEAL Restaurant meals and drinks:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

EXPNRGROC Groceries, take-out food and drinks:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

EXPNRGAS Auto gas and oil:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

EXPNRSHOP Shopping and souvenirs:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED
EXPNRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

EXPNRLODG Lodging expenses (e.g., hotel, camping, and B&B):
RECORD NUMBER/RANGE=0-9997/
97 DON'T KNOW
99 REFUSED

The next questions concern money you spent after you left home for the trip. After you left home, how much did you spend on…

EXPFREFU Boat fuel and oil:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

EXPFRDOCK Temporary dockage or marina fee:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED

EXPFRRLNCH Pump-out and launch fees:
RECORD NUMBER/RANGE=0-997/
97 DON'T KNOW
99 REFUSED
/IF TRPDIST>20/

EXPFRMEAL Restaurant meals and drinks:
  RECORD NUMBER/RANGE=0-997/
  97  DON'T KNOW
  99  REFUSED

/IF TRPDIST>20/

EXPFRGROC Groceries, take-out food and drinks:
  RECORD NUMBER/RANGE=0-997/
  97  DON'T KNOW
  99  REFUSED

/IF TRPDIST>20/

EXPFRGAS Auto gas and oil:
  RECORD NUMBER/RANGE=0-997/
  97  DON'T KNOW
  99  REFUSED

/IF TRPDIST>20/

EXPFRSHOP Shopping and souvenirs:
  RECORD NUMBER/RANGE=0-997/
  97  DON'T KNOW
  99  REFUSED

/IF TRPDIST>20/

EXPFRREC Recreation and entertainment:
  RECORD NUMBER/RANGE=0-997/
  97  DON'T KNOW
  99  REFUSED

/IF SYAWY=1 AND /IF TRPDIST>20/  
AND THEY STAYED AWAY FROM HOME

EXPFRLODG Lodging expenses (e.g., hotel, camping, and B&B):
  RECORD NUMBER/RANGE=0-9997/
  97  DON'T KNOW
  99  REFUSED
Docked days

IDENTIFY DOCKED RECREATION DAYS

/ALL/

STOREM
During [reference period; last calendar month], was the boat kept on land or on the water?

01 LAND
02 WATER
97 DON'T KNOW
99 REFUSED

/IF STOREM=02/
/IF THE BOAT WAS STORED ON WATER, PROCESS WITH THIS SECTION. ELSE SKIP TO THE END./

DTRIP
During [reference period; last calendar month], was there any day when you or members of your household spent time on the boat while it was docked but didn’t take it out on the water?

IF NECESSARY: Working on the boat, socializing, or doing any other activity while the boat was docked.

IF NECESSARY: We’re interested in days when you personally were on your boat.

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF DTRIP=01/
/IF SPENT TIME ON BOAT WHILE DOCKED/
/MULTIPLE=1-7/

DTRN
On how many days in [reference period; last calendar month] did you or someone from your household spend more than an hour on the boat while it was docked?

[IF NECESSARY: “WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY”]

RECORD NUMBER 1-7
97 DON'T KNOW
99 REFUSED
THE SURVEY WILL HAVE UP TO TWO DOCKED REPORTS. HERE, WE SET A FLAG TO TELL US HOW MANY TRIPS WE’LL PROFILE. THEN FOR EACH DOCKED DAY, WE’LL PICK ONE OF THE TRIPS FROM THE SET OF DTRN
IF DTRN=1 THEN DPROFILES=1
ELSE IF DTRN>1 THEN DPROFILES=2
ELSE DPROFILES=0

FIRST DOCKED DAY

/PICK THE FIRST DOCKED DAY
/IF DPROFILES IN (1, 2) THEN
SELECT A RANDOM INTEGER 1 TO DTRN=DTRIP1
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’
SAY

Next, I’m going to ask about one particular day you spent time on the boat on the dock. My computer has randomly selected to talk about the [identifier] day.

TRIP EXPOSURE

STATES WHERE BOATED

/IFNOT MISSING DTRIP1

DLOC

On that day, which of the United States was the boat in?

RECORD STATE, INCLUDE PUERTO RICO, VIRGIN ISLANDS, GUAM, AND OUTSIDE THE US

01-56. STATE FIPS CODE
77. DON’T KNOW/NOT SURE
99. REFUSED

/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01 Alabama
02 Alaska
04 Arizona
05 Arkansas
06 California
08 Colorado
09 Connecticut
10 Delaware
11 District of Columbia
12 Florida
13 Georgia
15 Hawaii
16 Idaho
17 Illinois
18 Indiana
19 Iowa
20 Kansas
21 Kentucky
22 Louisiana
Including you, how many people were on the boat while it was docked?

[IF NECESSARY: "WE'RE LOOKING FOR THE TOTAL NUMBER OF PEOPLE WHO WERE THERE MOST OF THE TIME WHILE YOU WERE ON THE BOAT"]

[IF NECESSARY: "WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY"]

RECORD NUMBER 1-997

97 DON'T KNOW

99 REFUSED
BOAT HOURS

*IF NOT MISSING DTRIP*

DHRS
On that day, how many hours did you spend on the boat while it was docked?

[IF NECESSARY: “WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY”]

- RECORD NUMBER 1-24
- 97 DON’T KNOW
- 99 REFUSED

SECOND DOCKED DAY

*/PICK THE SECOND DOCKED DAY*  
*/IF DPROFILES IN (2) THEN*  
SELECT A RANDOM INTEGER 1 TO DTRN=DTRIP2  
DTRIP2 CANNOT EQUAL DTRIP1  
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’

Next, I’m going to ask about one particular day you spent time on the boat on the dock. My computer has randomly selected to talk about the [identifier] day.

TRIP EXPOSURE

STATES WHERE BOATED

*IF NOT MISSING DTRIP*

DLOC
On that day, which of the United States was the boat in?

- RECORD STATE, INCLUDE PUERTO RICO, VIRGIN ISLANDS, GUAM, AND OUTSIDE THE US
- 01-56. STATE FIPS CODE
- 77. DON’T KNOW/NOT SURE
- 99. REFUSED

*/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/*

- 01 Alabama
- 02 Alaska
- 04 Arizona
- 05 Arkansas
- 06 California
- 08 Colorado
- 09 Connecticut
- 10 Delaware
- 11 District of Columbia
- 12 Florida
- 13 Georgia
- 15 Hawaii
Including you, how many people were on the boat while it was docked?

[IF NECESSARY: “WE'RE LOOKING FOR THE TOTAL NUMBER OF PEOPLE WHO WERE THERE MOST OF THE TIME WHILE YOU WERE ON THE BOAT”]

[IF NECESSARY: “WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY”]

RECORD NUMBER 1-997

97 DON'T KNOW

99 REFUSED
On that day, how many hours did you spend on the boat while it was docked?

[IF NECESSARY: “WHEN YOU WERE NOT PREPARING FOR A LAUNCH THE SAME DAY”]

RECORD NUMBER 1-24

97 DON'T KNOW

99 REFUSED
INFO. Thanks for taking the National Recreational Boating Survey. This survey is about the boat we talked to you about in a previous survey, your [identifier; boat type].

You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 5 minutes. The United States Coast Guard is interested in how Americans spend their free time.

Any information you provide will be kept private, to the extent permitted by law.

We’ll send you a $5 honorarium for your time when you complete the survey.

BTELIG
Did you own the boat on January first of this year?

01 YES
02 NO

/IF BTELIG IN (02,97,99), THEN THANK AND TERMINATE. REMOVE RESPONDENT FROM BOAT PANEL/
/IF RESPONDENT DID NOT HAVE BOAT ON JANUARY FIRST OF THIS YEAR, THEN TERMINATE AND REMOVE RESPONDENT FROM BOAT PANEL/
/IF BTELIG=01/
/IF RESPONDENT OWNED BOAT ON JANUARY OF THIS YEAR/
/REQUIRED

STILLBT
Do you still own the boat?

01 YES
02 NO

/IF STILLBT IN (02,97,99) THEN THANK AND TERMINATE, REMOVE RESPONDENT FROM THE BOAT PANEL/
/IF RESPONDENT DOES NOT OWN THE BOAT, DOES NOT KNOW, OR REFUSES THEN TERMINATE AND REMOVE FROM THE BOAT PANEL/
Water Days

IDENTIFY WATER RECREATION DAYS

/IF STILLBT=01/
/IF RESPONDENT OWNS THE BOAT/
/THROUGHOUT, ’REFERENCE PERIOD’ SHOULD BE THE NAME OF THE MOST RECENT MONTH/
/REQUIRED

WTRIP

During [reference period; most recent calendar month], was there any day when the boat went out on the water? Please include times when your boat was used but you were not on it.

01 YES
02 NO

/IF WTRIP=01/
/IF THE BOAT WENT OUT ON THE WATER/
/RANGE=1-31/
/REQUIRED

WTRN

On how many days in [reference period] did the boat go out on the water?

We’re just interested in days that you actually put the boat on the water. If you were on the water for two or more days, just count the first day.

RECORD NUMBER /RANGE 1-31/

THE SURVEY WILL HAVE UP TO TWO TRIP REPORTS. HERE, WE SET A FLAG TO TELL US HOW MANY TRIPS WE’LL PROFILE.
THEN FOR EACH WATER DAY, WE’LL PICK ONE OF THE TRIPS FROM THE SET OF WTRN
IF WTRN=1 THEN WPROFILES=1
ELSE IF WTRN>1 THEN WPROFILES=2
ELSE WPROFILES=0

FIRST WATER DAY

/PICK THE FIRST WATER DAY
/IF WPROFILES IN (1, 2) THEN
SELECT A RANDOM INTEGER 1 TO WTRN=TRIP1
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’ SAY

First, we’ll ask about one particular day the boat was on the water. The survey has randomly selected to ask about the [identifier] day.
ONBT1. On the [identifier] day the boat went out, were you personally on the boat?

01 YES
02 NO

/IF ONBT1=01 THEN TRIPELIG=1/
/IF ONBT1 IN (02)/
/REQUIRED

ONBT2. Was someone else from your household on the boat?

01 YES
02 NO

/IF ONBT2 IN (02), TERMINATE TRIP REPORT. DO NOT TERMINATE THE SURVEY./
/TRIPELIG=0/
/IF NOT ONE FROM THE HOUSEHOLD ON THE BOAT, NO TRIP REPORT/
/IF ONBT2=01/
/IF SOMEONE FROM THE HOUSEHOLD WAS ON THE BOAT/
/REQUIRED

ONBT3. Were any of the members of your household who were present at least 16 years old?

01 YES
02 NO

/IF ONBT3 IN (02), TERMINATE TRIP REPORT. DO NOT TERMINATE THE SURVEY./
/TRIPELIG=0/
/IF NO ONE ON THE BOAT WAS OF THE HOUSEHOLD AND AT LEAST 16, NO TRIP REPORT/
/IF ONBT3=01/
/IF HOUSEHOLD MEMBERS PRESENT WERE AT LEAST 16 YEARS OF AGE/
/REQUIRED

ONBT4. Would you say you know what happened on the trip including where the boat went and how long it was on the water?

01 YES
02 NO

/IF ONBT4=01 THEN TRIPELIG=1/
/IF ONBT IN (02,97,99)/
/IF RESPONDENT KNOWS WHAT HAPPENED ON THE BOAT TRIP/
/NOT REQUIRED

ONBTDATE. What date in [reference period] was [identifier]?

RECORD DATE
TRIP REPORT HAND-OFF MODULE

NEEDXFRtrip

We need to conduct this part of the survey with someone from your household who is at least 16 years old and who was on the boat that day. Can you ask someone who fits that description to come to the computer?

When you’re ready, click ‘Next’.

/NEXT SCREEN
/REQUIRED

AGEQUALc. Are you at least 16 years of age?

01 YES
02 NO

/IF AGEQUALc IN (02, 97, 99) THEN TERMINATE/
/SET TERMTYPE=AGEUSER/
/NEXT SCREEN
/IF AGEQUALc=1

INFOc. Thanks for taking the National Recreational Boating Survey. This survey is about the boat we talked to you about in a previous survey, your [identifier; boat type].

You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 5 minutes. The United States Coast Guard is interested in how Americans spend their free time.

Any information you provide will be kept private, to the extent permitted by law.

01 PRESSED NEXT

/IF INFOc=01 THEN RESPXFR=1/
/IF INFOc=01/
/REQUIRED

TRIPREM We understand that you spent time on a boat owned by someone in your household on [identifier] in [reference period]. Do you remember that?

01 YES
02 NO
We need to conduct the next part of the survey with [sample name]. Can you ask that person to come back to the computer?

When you’re ready, click ‘Next’.

END TRIP HAND-OFF MODULE

TRIP EXPOSURE

STATES WHERE BOATED

WLOC

On [identifier], which of the United States was the boat in when it went out on the water?

01 ALABAMA
02 ALASKA
04 ARIZONA
05 ARKANSAS
06 CALIFORNIA
08 COLORADO
09 CONNECTICUT
10 DELAWARE
11 DISTRICT OF COLUMBIA
12 FLORIDA
13 GEORGIA
15 HAWAII
16 IDAHO
17 ILLINOIS
18 INDIANA
19 IOWA
20 KANSAS
21 KENTUCKY
22 LOUISIANA
23 MAINE
24 MARYLAND
25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING

*IF WLOC=96
  NOT REQUIRED*

WLOCo Other location
RECORD LOCATION
WOTHST1

On that day, did the boat go into states other than [WLOC]?

01 YES
02 NO

WOTHST2

Which ones?

01 ALABAMA 21 KENTUCKY 39 OHIO
02 ALASKA 22 LOUISIANA 40 OKLAHOMA
04 ARIZONA 23 MAINE 41 OREGON
05 ARKANSAS 24 MARYLAND 42 PENNSYLVANIA
06 CALIFORNIA 25 MASSACHUSETTS 44 RHODE ISLAND
08 COLORADO 26 MICHIGAN 45 SOUTH CAROLINA
09 CONNECTICUT 27 MINNESOTA 46 SOUTH DAKOTA
10 DELAWARE 28 MISSISSIPPI 47 TENNESSEE
11 DISTRICT OF COLUMBIA 29 MISSOURI 48 TEXAS
12 FLORIDA 30 MONTANA 49 UTAH
13 GEORGIA 31 NEBRASKA 50 VERMONT
15 HAWAII 32 NEVADA 51 VIRGINIA
16 IDAHO 33 NEW HAMPSHIRE 53 WASHINGTON
17 ILLINOIS 34 NEW JERSEY 54 WEST VIRGINIA
18 INDIANA 35 NEW MEXICO 55 WISCONSIN
19 IOWA 36 NEW YORK 56 WYOMING
20 KANSAS

OTHST2o Other location

RECORD LOCATION
PEOPLE ON THE BOAT

/NEW SCREEN FOR WPPL AND WKIDS
/IF NOT MISSING TRIP 1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/NOT REQUIRED

WPPL

Including you, how many people went on the boat that day?

    If people got on and off the boat, how many people did you have with you most of the time?

RECORD NUMBER /RANGE=1-997/

/IF WPPL>1
/WKIDS<WPPL
    IF THERE WAS MORE THAN ONE PERSON ON THE BOAT; THE RESPONDENT IS NECESSARILY OVER 16
/NOT REQUIRED

WKIDS

How many children under the age of 16 were on the boat?

ENTER RESPONSE /RANGE=0-10/

BOAT HOURS

/NEW SCREEN
/IF NOT MISSING TRIP 1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/NOT REQUIRED

OVERNT

On that day, did the boat stay out on the water overnight?

    01 YES
    02 NO

/NEW SCREEN FOR LNCHTIME, DOCKDAY, DOCKTIME
/IF OVERNT=01/
    IF THE BOAT STAYED ON THE WATER OVERNIGHT, COLLECT THE SETOUT AND RETURN TIMES, WE’LL CALCULATE HOURS FROM THESE/
/NOT REQUIRED

LNCHTIME

About what time of day did [identifier] set out?

RECORD TIME
DOCKDAY

How many days later did the boat dock again?

RECORD NUMBER

DOCKTIME

About what time did the boat dock again the day it returned?

RECORD TIME

PREWHRS I'm going to ask you some questions about the whole trip starting on [identifier] to when the boat docked again on [/popin]. Please answer for that whole time

WHRS

On that day, how many hours did the boat spend on the water before it was moored, docked, or taken out of the water again?

RECORD NUMBER /RANGE 1-24/

/PUT A FLAG FOR PARTIAL COMPLETE HERE. TRIPS FOR WHICH HOURS DATA ARE AVAILABLE WILL COUNT TOWARD THE FINAL DATA./

TYPES OF WATER

WRTYPE

On that day, did the boat go on any:
01 Brackish water (freshwater mixed with saltwater)
02 Freshwater
03 Saltwater

/NEW SCREEN
/IF NOT MISSING TRIP 1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
MULTIPUNCH
/NOT REQUIRED

WRBODY

What kinds of bodies of water did it go out on?

01 LAKE
02 BAY
03 RIVER
04 CANAL
05 INTERCOASTAL WATERWAY
06 OCEAN
07 OTHER (SPECIFY)

/NEW SCREEN
/IF WRBODY=07
/NOT REQUIRED

WRBODYOTH
ENTER OTHER SPECIFY

END TRIP EXPOSURE

BOATING SAFETY AWARENESS AND BEHAVIORS

BOAT OPERATION

/NEW SCREEN
/LOAD VARIABLES PRIMOP, OWNSAFE, AND OWNEXP FROM THE BOAT SURVEY/
/IF NOT MISSING TRIP 1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/NOT REQUIRED

WHOOP Did you personally operate the boat on that day?

01 YES
02 NO
OPSAFE

Have you ever taken a boat safety course?

01 YES
02 NO

OPEXP

How experienced in the operation of the boat are you? Would you say…

01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced

OPN

How many people other than yourself operated the boat?

RECORD NUMBER (1-5)

OPAGE1-OPAGEN

How old was the first person other than you who operated the boat?

DROP DOWN LIST FOR GRID

01 5 or younger,
02 6 to 10
OPEXP1-OPEXPN

How experienced in the operation of the [selected] boat was the [identifier] operator? Would you say…
01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced

ALCOHOL

On that day, did anyone on the boat drink alcohol before or during the trip on the water
01 YES
02 NO
On that day, did anyone drink alcohol before or during operating the boat?

01 YES
02 NO

Were there life jackets on the boat that day?

01 YES
02 NO

If LFJBT=01/
If there were life jackets on the boat that day/
Range=1-50/
Not required

How many?

Record response

Were there life preservers or throwable devices on the boat that day?

01 YES
02 NO

If LFPBT=01/
If there were life preservers or throwable devices/
Range=1-50/
Not required

LFPN
How many?

___ RECORD RESPONSE

//NEW SCREEN
//IF LFJBT=1 OR LFPBT=1
//NOT REQUIRED
//THIS GRID COLLECTS THE SPECIFIC NUMBER OF EACH TYPE OF JACKET

<table>
<thead>
<tr>
<th>Type I</th>
<th>Type II</th>
<th>Type III</th>
<th>Type IV</th>
<th>Type V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-shore Life Jacket</td>
<td>Near-shore Buoyant Vest</td>
<td>Flotation Aid</td>
<td>Throwable Device</td>
<td>Special Use Device</td>
</tr>
</tbody>
</table>

This life jacket is designed for extended survival in rough, open water. It usually will turn an unconscious person face up and has over 22 pounds of buoyancy. This is the best life jacket to keep you afloat in remote regions where rescue may be slow in coming.

This "classic" vest comes in several sizes for adults and children and is for calm inland water where there is chance of fast rescue. It is less bulky and less expensive than a Type I, and many will turn an unconscious person face-up in the water.

Flotation aids are generally considered the most comfortable, with styles for different boating activities and sports. They are for use in calm water where there is good chance of fast rescue since they will generally not turn an unconscious person face-up.

These are designed to be thrown to a person in the water. Throwable devices include boat cushions, ring buoys, and horseshoe buoys. They are not designed to be worn and must be supplemented by wearable life jackets.

# # # # #

//NEW SCREEN
//IF (ONBOAT1=1 OR TRIPREM=1)
//ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

LFJSLF

Did you wear a lifejacket all the time on that day?

01 YES
**NEW SCREEN FOR WKID5-LJKID15**

**SHOW AS GRID**

**IF WKIDS>1 THEN ASK**

**LJKID RESPONSE CANNOT BE GREATER THAN WKID RESPONSE**

**NOT REQUIRED**

<table>
<thead>
<tr>
<th>People on the boat who were</th>
<th># present</th>
<th># who wore a life jacket all the time while on board</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 6 years old</td>
<td>WKID5</td>
<td>LJKID5</td>
</tr>
<tr>
<td>6 to 10 years old</td>
<td>WKID10</td>
<td>LJKID10</td>
</tr>
<tr>
<td>11 to 15 years old</td>
<td>WKID15</td>
<td>LJKID15</td>
</tr>
</tbody>
</table>

**NEW SCREEN**

**IF (ONBOAT1=1 OR TRIPREM=1) AND WPPL>WKIDS+1**

**ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT AND THE TOTAL NUMBER OF PEOPLE IS GREATER THAN THE RESPONDENT + THE CHILDREN**

**RANGE=0-997**

**NOT REQUIRED**

**LFJAD**

Not including you, how many of the people aged 16 and over wore lifejackets all the time they were on the boat?

__ RECORD NUMBER

**MODULE: REASONS FOR LIFEJACKET USE**

**NEW SCREEN FOR LFJWHYA AND LFJWHYC**

**IF LFJSLF=2 AND RANDUNIFORM<.1**

**ASK OF 10% OF RESPONDENTS WHO DIDN’T WEAR A LIFEJACKET ALL THE TIME**

**NOT REQUIRED**

**LFJWHYA**

Why did you not wear a lifejacket all the time?

RECORD RESPONSE
IF LFJC5=2 LFJC10=2 OR LFJC15=2 AND RANDUNIFORM<.1 /
ASK OF 10% OF RESPONDENTS WHO REPORT THAT ANY CHILD DIDN’T WEAR A LIFE JACKET ALL THE TIME.
/NOT REQUIRED

LFJWHYC

You indicated that someone under 15 didn’t wear a lifejacket all the time. Can you tell me why that was?

RECORD RESPONSE

END MODULE: REASONS FOR LIFEJACKET USE

OTHER SAFETY EQUIPMENT

/NEW SCREEN
/SHOW AS GRID
/ALL CHECKBOXES
/IF CATX NOT IN (4,5)
/ASK IF BOAT TYPE IS NOT CANOE OR KAYAK/
/USED CANNOT BE CHECKED FOR ITEMS NOT ON THE BOAT
/NOT REQUIRED

<table>
<thead>
<tr>
<th>Safety equipment</th>
<th>On the boat that day</th>
<th>Used for safety purposes that day</th>
</tr>
</thead>
<tbody>
<tr>
<td>First aid kit</td>
<td>SFFA</td>
<td>SFFAUSED</td>
</tr>
<tr>
<td>Equipment for reaching someone in the water such</td>
<td>SFHOOK</td>
<td>SFHOOKUSED</td>
</tr>
<tr>
<td>Fire extinguisher</td>
<td>SFEXT</td>
<td>SFEXTUSED</td>
</tr>
<tr>
<td>Visual distress signals such as flares</td>
<td>SFVDIST</td>
<td>SFVDISTUSED</td>
</tr>
<tr>
<td>Sound signal such as a horn</td>
<td>SFSDIST</td>
<td>SFSDISTUSED</td>
</tr>
<tr>
<td>Emergency Position Indicating Radio Beacon-EPIRB</td>
<td>SFEPIRB</td>
<td>SFEPIRBUSED</td>
</tr>
</tbody>
</table>
END SAFETY AWARENESS AND BEHAVIORS

NEGATIVE EVENT INCIDENCE AND RISK

NEGATIVE EVENTS

/LOAD HASMOT FROM BOAT SURVEY
ASK IF HASMOT=1 OR CATX=2
/ASK IF BOAT HAS A MOTOR OR BOAT TYPE=SAILBOAT/
/NEW SCREEN
/ASK AS GRID
/NUMBER OF OCCURENCES AND NUMBER OF TIMES REPORTED CANNOT BE FILLED
UNLESS ‘OCCURRED’ IS CHECKED
/NUMBER OF OCCURRENCES >= NUMBER OF TIMES REPORTED

On that day, please tell us about any accidents

<table>
<thead>
<tr>
<th>Event</th>
<th>Occurred</th>
<th>Number of occurrences</th>
<th>Number of times reported to authorities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collision with another vessel</td>
<td>ACCCOLV</td>
<td>ACCCOLVn</td>
<td>ACCCOLVREP</td>
</tr>
<tr>
<td>Boat ran aground</td>
<td>ACCAGD</td>
<td>ACCAGDn</td>
<td>ACCAGDREP</td>
</tr>
<tr>
<td>Collision with a fixed or submerged object</td>
<td>ACCCOLF</td>
<td>ACCCOLF n</td>
<td>ACCCOLF REP</td>
</tr>
<tr>
<td>Capsize, flood, or swamp</td>
<td>ACCFLD</td>
<td>ACCFLD n</td>
<td>ACCFLD REP</td>
</tr>
<tr>
<td>Someone fell overboard</td>
<td>ACCOVBRD</td>
<td>ACCOVBRD n</td>
<td>ACCOVBRD REP</td>
</tr>
<tr>
<td>Water-skier accident</td>
<td>ACCSKI</td>
<td>ACCSKI n</td>
<td>ACCSKI REP</td>
</tr>
</tbody>
</table>

DAMAGE TO PEOPLE AND VESSELS

/NEW SCREEN FOR ACCDAMAGE, ACCINJURY
IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI ) =1

Did any of these incidents involve:

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI ) =1

ACCDAMAGE Damage to vessels or other property of $2,000 or more, or complete loss of any vessel?

01 YES
02 NO
IF ANY OF (ACC COLV, ACC AGD, ACC COLF, ACC FLD, ACC OVB RD, ACC SKI) = 1

ACCINJURY An injury requiring medical treatment or first aid
01 YES
02 NO

ECONOMIC IMPACT OF RECREATIONAL BOATING

The next questions are about all the time you spent away from home that included the day on the water we’ve been talking about. These questions are about the time from when you left your house until you returned home again, which could be just the day or, or it could be several days.

TRPDIST How far did you travel by land on this trip to reach the place where the boat was kept or was launched?
RECORD MILES /RANGE 0-9999/

MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

STYAWY. Did you stay away from home with your boat for one or more days on this trip?
01 YES
02 NO

STYN. How many nights were you away from home on this trip?
RECORD NUMBER 0-996

What type of lodging did you use on this trip? Did you stay
STYFF  With friends or family
STYBB  At a bed and breakfast
STYHTL At a hotel or motel
STYCMP At a campground
STYOBT On board the boat

STYDK  DK
STYREF  REF

/IF STYOBT=01/
/SHOW INDENTED UNDER STYOBT/
/STYOBTN CANNOT BE FILLED UNLESS STYOBT=1
/IF RESPONDENT STAYED ON THE BOAT/
/NOT REQUIRED

STYOBTN How many nights did you stay onboard the boat?
RECORD NUMBER /RANGE=1-50/

/IF STYAwy=01/
/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/
/NOT REQUIRED

TRPDYS How many total days did you take the boat out on the water on this trip?
RECORD NUMBER /RANGE=1-50/

/NEW SCREEN
/IF NOT MISSING TRIP 1 AND CATX=2
MULTIPLE
/NOT REQUIRED

At which types of launch sites or ramps was the boat launched on this trip? Was it launched at

LCHAG  A launch site operated by a state boating or fishing agency.
LCHGVT A launch site operated by a county or local government
LCHFED A launch site operated by a federal agency such as the National Park Service, NOAA, U.S. Forest Service, Army Corps of Engineers, Fish and Wildlife Service, Bureau of Reclamation
LCHMR  A launch site at a marina or dry stack
LCHPRV A privately owned/operated launch site

/NEW SCREEN FOR TRPMOT TRPMOTHr
/LOAD HASMOT FROM BOAT SURVEY. /
/IF NOT MISSING TRIP 1 AND HASMOT=1/
IF THERE IS A VALID TRIP AND THERE IS A MOTOR

TRPMOT  Were the boat’s motors or engines operated during this trip?
01  YES
TRPMOTH1  Approximately how many hours did you operate the motors or engines on this trip?

RECORD NUMBER

END MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

TRIP EXPENDITURES

The next questions concern money you spent on this trip on things other than the boat itself.

TRP DIST>20

Think about money you spent within 20 miles of your home while preparing for the trip. We'll ask you about money you spent traveling to and near the launch site in a moment.

TRP DIST>20

How much did you spend for this trip [if TRP DIST>20 then "before you left"] on …

HAS M0T=01

BOAT HAS A MOTOR

EXP NRFUEL Boat fuel and oil:

RECORD NUMBER/RANGE=0-997

EXP RDOCK Temporary dockage or marina fee:

RECORD NUMBER/RANGE=0-997

EXP RLNCH Pump-out and launch fees:

RECORD NUMBER/RANGE=0-997
EXPNRMEAL Restaurant meals and drinks:
RECORD NUMBER/RANGE=0-997/

/IF NOT MISSING TRIP1

EXPNRGROC Groceries, take-out food and drinks:
RECORD NUMBER/RANGE=0-997/

/IF NOT MISSING TRIP1

EXPNRGAS Auto gas and oil:
RECORD NUMBER/RANGE=0-997/

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRSHOP Shopping and souvenirs:
RECORD NUMBER/RANGE=0-997/

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/

/IF STYAWY=1 AND TRPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME
AND THEY STAYED AWAY FROM HOME

EXPNRLODG Lodging expenses (e.g., hotel, camping, and B&B):
RECORD NUMBER/RANGE=0-9997/

/IF TRP DIST>20/
/IF THEY WENT FURTHER THAN 20 MILES TO START THE TRIP
/NEW SCREEN FOR EXPFRFUEL-EXPFRLODG
/SHOW IN GRID WITH SPACE FOR CURRENCY IN THE RESPONSE COLUMN
/IF NOT MISSING TRIP1
/NOT REQUIRED

The next questions concern money you spent after you left home for the trip.

After you left home, how much did you spend on…

/IF HASMOT=01/
/IF BOAT HAS A MOTOR/

EXPFRFUEL Boat fuel and oil:
RECORD NUMBER/RANGE=0-997/
EXPFRDOCK Temporary dockage or marina fee:
RECORD NUMBER/RANGE=0-997/

EXPFRNLNC Pump-out and launch fees:
RECORD NUMBER/RANGE=0-997/

EXPFRMEAL Restaurant meals and drinks:
RECORD NUMBER/RANGE=0-997/

EXPFRGROC Groceries, take-out food and drinks:
RECORD NUMBER/RANGE=0-997/

EXPFRGAS Auto gas and oil:
RECORD NUMBER/RANGE=0-997/

EXPFRSHOP Shopping and souvenirs:
RECORD NUMBER/RANGE=0-997/

EXPFRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/

EXPFRLODG Lodging expenses (e.g., hotel, camping, and B&B):
RECORD NUMBER/RANGE=0-9997/

END ECONOMIC IMPACT OF RECREATIONAL BOATING
SECOND WATER DAY

/IF TRIPREM=1
/IF THERE WAS A RESPONDENT TRANSFER, WE NEED TO TRANSFER BACK AGAIN

We need to conduct the next part of the survey with [sample name]. Can you ask that person to come back to the computer?

When you’re ready, click ‘Next’.

/PICK THE SECOND WATER DAY
/IF WPROFILES IN (2) THEN
SELECT A RANDOM INTEGER 1 TO WTRN=TRIP2
TRIP1 CANNOT EQUAL TRIP2
IF TRIP1 ORIGINALLY REQUIRED A HAND-OFF, IT WAS MOVED TO TRIP2. COMPLETE THAT HAND-OFF AND REPORT NOW BY POPULATING ONBT1-ONBTDATE FROM ABOVE
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’

Next, we’ll ask about another particular day the boat was on the water. The survey has randomly selected to ask about the [identifier] day.

OBTAIN QUALIFIED RESPONDENT

/IF STILLBT=01/
/IF RESPONDENT OWNS THE BOAT/
/REQUIRED/

ONBT1. On the [identifier] day the boat went out, were you personally on the boat?

01 YES
02 NO

/IF ONBT1=01 THEN TRIPELIG=1/
/IF ONBT1 IN (02)/
/REQUIRED

ONBT2. Was someone else from your household on the boat?

01 YES
02 NO

/IF ONBT2 IN (02), TERMINATE TRIP REPORT. DO NOT TERMINATE THE SURVEY./
/TRIPELIG=0/
/IF NOT ONE FROM THE HOUSEHOLD ON THE BOAT, NO TRIP REPORT/
/IF ONBT2=01/
/IF SOMEONE FROM THE HOUSEHOLD WAS ON THE BOAT/
/REQUIRED

ONBT3. Were any of the members of your household who were present at least 16 years old?

01 YES
02 NO
ONBT3. If ONBT3 in (02), terminate trip report. Do not terminate the survey.

/IF NO ONE ON THE BOAT WAS OF THE HOUSEHOLD AND AT LEAST 16, NO TRIP REPORT/
/IF ONBT3=01/
/IF HOUSEHOLD MEMBERS PRESENT WERE AT LEAST 16 YEARS OF AGE/
/REQUIRED

ONBT4. Would you say you know what happened on the trip including where the boat went and how long it was on the water?

01 YES
02 NO

/IF ONBT4=01 THEN TRIP ELIG=1/
/IF ONBT IN (02,97,99)/
/IF RESPONDENT KNOWS WHAT HAPPENED ON THE BOAT TRIP/
/NOT REQUIRED

ONBTDATE. What date in [reference period] was [identifier]? RECORD DATE

/IF ONBT4 IN (02,97,99) THEN SET TRIP2=TRIP1 AND RESELECT TRIP1 BETWEEN 1 AND WTRN WHERE TRIP 1 NE TRIP 2
THIS WILL MEAN THAT WE HAVE A CHANCE TO COMPLETE A TRIP WITH THE PERSON ON THE PHONE BEFORE WE HAVE TO ASK FOR THE HAND-OFF.

TRIP REPORT HAND-OFF MODULE

/IF ONBT4 IN (02) REQUEST TRANSFER BELOW/

NEEDXFRtrip
We need to conduct this part of the survey with someone from your household who is at least 16 years old and who was on the boat that day. Can you ask someone who fits that description to come to the computer?

When you’re ready, click ‘Next’.

/NEXT SCREEN
/REQUIRED

AGEQUALc. Are you at least 16 years of age?

01 YES
02 NO
INFOc. Thanks for taking the National Recreational Boating Survey. This survey is about the boat we talked to you about in a previous survey, your [identifier; boat type]. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 5 minutes. The United States Coast Guard is interested in how Americans spend their free time.

Any information you provide will be kept private, to the extent permitted by law.

01 PRESS NEXT

TRIPREM We understand that you spent time on a boat owned by someone in your household on [identifier] in [reference period]. Do you remember that?

01 YES
02 NO

WLOC On [identifier], which of the United States was the boat in when it went out on the water?

01 ALABAMA
02 ALASKA
04 ARIZONA
05 ARKANSAS
06 CALIFORNIA
08 COLORADO
09 CONNECTICUT
10 DELAWARE
11 DISTRICT OF COLUMBIA
12 FLORIDA
13 GEORGIA
15 HAWAII
16 IDAHO
17 ILLINOIS
18 INDIANA
19 IOWA
20 KANSAS
21 KENTUCKY
22 LOUISIANA
23 MAINE
24 MARYLAND
25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING

*IF WLOC=96*
*NOT REQUIRED*

WLOC0 Other location

RECORD LOCATION

*IF WLOC IN (1-56)/
*IF RESPONDENT NAMED A LOCATION IN THE LIST/
*NOT REQUIRED*

WOTHST1

On that day, did the boat go into states other than [WLOC]?

01 YES
02 NO

*IF WOTHST1=01/
*IF THE BOAT WENT TO MORE THAN ONE LOCATION/
*MULTIPUNCH/
*NOT REQUIRED*

WOTHST2

Which ones?

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>ALABAMA</td>
<td>11</td>
</tr>
<tr>
<td>02</td>
<td>ALASKA</td>
<td>12</td>
</tr>
<tr>
<td>04</td>
<td>ARIZONA</td>
<td>13</td>
</tr>
<tr>
<td>05</td>
<td>ARKANSAS</td>
<td>15</td>
</tr>
<tr>
<td>06</td>
<td>CALIFORNIA</td>
<td>16</td>
</tr>
<tr>
<td>08</td>
<td>COLORADO</td>
<td>17</td>
</tr>
<tr>
<td>09</td>
<td>CONNECTICUT</td>
<td>18</td>
</tr>
<tr>
<td>10</td>
<td>DELAWARE</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>KANSAS</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>KENTUCKY</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>LOUISIANA</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>MAINE</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>MARYLAND</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>MASSACHUSETTS</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>MICHIGAN</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>MINNESOTA</td>
<td></td>
</tr>
</tbody>
</table>
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING
IF WOTHST2=96
/NOT REQUIRED

OTHST2o Other location
RECORD LOCATION

PEOPLE ON THE BOAT

/NEW SCREEN FOR WPPL AND WKIDS
/IF NOT MISSING TRIP /
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/NOT REQUIRED

WPPL
Including you, how many people went on the boat that day?

If people got on and off the boat, how many people did you have with you most of the time?

RECORD NUMBER /RANGE=1-997/

/IF WPPL>1
/WKIDS<WPPL
/IF THERE WAS MORE THAN ONE PERSON ON THE BOAT, THE RESPONDENT IS
NECESSARILY OVER 16
/NOT REQUIRED

WKIDS How many children under the age of 16 were on the boat?
ENTER RESPONSE /RANGE=0-10/

BOAT HOURS

/NEW SCREEN
/IF NOT MISSING TRIP /
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/NOT REQUIRED

OVERNT
On that day, did the boat stay out on the water overnight?
01 YES
02 NO

/NEW SCREEN FOR LNCHTIME, DOCKDAY, DOCKTIME
/IF OVERNT=01/
/IF THE BOAT STAYED ON THE WATER OVERNIGHT, COLLECT THE SETOUT AND RETURN TIMES, WE’LL CALCULATE HOURS FROM THESE/
/NOT REQUIRED

LNCHTIME
About what time of day did [identifier] set out?
RECORD TIME

/IF OVERNT=01/
/IF THE BOAT STAYED ON THE WATER OVERNIGHT/
/RANGE=1-90/
/NOT REQUIRED

DOCKDAY
How many days later did the boat dock again?

RECORD NUMBER

/IF OVERNT=01/
/IF THE BOAT STAYED ON THE WATER OVERNIGHT/
/NOT REQUIRED

DOCKTIME
About what time did the boat dock again the day it returned?

RECORD TIME

/NEW SCREEN
/IF OVERNT=01/
/IF THE BOAT STAYED ON THE WATER OVERNIGHT/

PREWHRS  I'm going to ask you some questions about the whole trip starting on [identifier] to when the boat docked again on [//popin]. Please answer for that whole time

/NEW SCREEN
/IF OVRNT=02/
/IF IT WAS JUST A DAY TRIP/
/RANGE=1-24/
/NOT REQUIRED

WHRS
On that day, how many hours did the boat spend on the water before it was moored, docked, or taken out of the water again?

RECORD NUMBER /RANGE 1-24/

/PUT A FLAG FOR PARTIAL COMPLETE HERE. TRIPS FOR WHICH HOURS DATA ARE AVAILABLE WILL COUNT TOWARD THE FINAL DATA./

TYPES OF WATER

/NEW SCREEN
/IF NOT MISSING TRIP /
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/MULTIPUNCH
/NOT REQUIRED

WRTYPE
On that day, did the boat go on any:

01 Brackish water (freshwater mixed with saltwater)
02 Freshwater
03 Saltwater

/NEW SCREEN
/IF NOT MISSING TRIP1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
MULTIPUNCH
/NOT REQUIRED

WRBODY

What kinds of bodies of water did it go out on?

01 LAKE
02 BAY
03 RIVER
04 CANAL
05 INTERCOASTAL WATERWAY
06 OCEAN
07 OTHER (SPECIFY)

/NEW SCREEN
IF WRBODY=07
/NOT REQUIRED

WRBODYOTH

ENTER OTHER SPECIFY

END TRIP EXPOSURE

BOATING SAFETY AWARENESS AND BEHAVIORS

BOAT OPERATION

/NEW SCREEN
/LOAD VARIABLES PRIMOP, OWNSAFE, AND OWNEXP FROM THE BOAT SURVEY/
/IF NOT MISSING TRIP1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
/NOT REQUIRED

WHOOP Did you personally operate the boat on that day?

01 YES
02 NO
//NEW SCREEN FOR OPSAFE, OPEXP, OPN
//IF WHOOP=1 AND TRIPREM=1
//IF RESPONDENT PERSONALLY OPERATED THE BOAT
AND THE RESPONDENT TO THIS TRIP IS DIFFERENT FROM THE RESPONDENT TO THE
LAST TRIP (TRIPREM REFERS TO THE HAND-OFF)
//NOT REQUIRED

OPSAFE
Have you ever taken a boat safety course?
01 YES
02 NO

//IF WHOOP=1 AND TRIPREM=1
//IF RESPONDENT PERSONALLY OPERATED THE BOAT
AND THE RESPONDENT TO THIS TRIP IS DIFFERENT FROM THE RESPONDENT TO THE
LAST TRIP (TRIPREM REFERS TO THE HAND-OFF)
//NOT REQUIRED

OPEXP
How experienced in the operation of the boat are you? Would you say…
01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced

//IF (ONBOAT1=1 OR TRIPREM=1) AND WPPL>1/
//ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT AND
MORE PEOPLE THAN THE RESPONDENT WERE PRESENT ON THE BOAT /
//NOT REQUIRED

OPN
How many people other than yourself operated the boat?
RECORD NUMBER (1-5)

//NEW SCREEN
//SHOW AS A GRID WITH ROWS = OPN, COLUMNS AGE AND EXPERIENCE FOR EACH
OTHER OPERATOR
//IDENTIFIERS ARE ‘THE FIRST PERSON OTHER THAN YOU WHO OPERATED THE
BOAT, ETC.
//FOR EACH PERSON IN OPN/
//VARIABLE NAMES ARE OP1-OPN AS IN OP1-OP4/
//NOT REQUIRED

OPAGE1-OPAGEN
How old was the first person other than you who operated the boat?
DROP DOWN LIST FOR GRID

01  5 or younger,
02  6 to 10
03  11 to 15
04  16 to 17
05  18 to 24
06  25 to 34
07  35 to 44
08  45 to 54
09  55 to 64
10  Over 65

FOR EACH PERSON IN OPN/
DROP DOWN LIST FOR GRID
NOT REQUIRED

OPEXP1-OPEXPN
How experienced in the operation of the [selected] boat was the [identifier] operator? Would you say…

01  Very experienced
02  Somewhat experienced
03  Somewhat inexperienced
04  Very inexperienced

ALCOHOL

NEW SCREEN FOR ALC AND ALCOP
IF (ONBOAT1=1 OR TRIPREM=1)
ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

The next questions ask about activities you engaged in on that day. All your responses are anonymous and confidential

IF (ONBOAT1=1 OR TRIPREM=1)
ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT
NOT REQUIRED

ALC
On that day, did anyone on the boat drink alcohol before or during the trip on the water

01  YES
02  NO
ALCop

On that day, did anyone drink alcohol before or during operating the boat?

  01 YES
  02 NO

LIFE JACKETS

/LFJBT=01/
/LFJN IS ILLEGAL IF LFJBT IS NOT CHECKED
//IF (ONBOAT1=1 OR TRIPREM=1)
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT
/NOT REQUIRED

LFJBT

Were there life jackets on the boat that day?

  01 YES
  02 NO

  /IF LFJBT=01/
  /IF THERE WERE LIFE JACKETS ON THE BOAT THAT DAY/
  /RANGE=1-50/
  /NOT REQUIRED

LFJN

How many?

   RECORD RESPONSE

/LFPBT

Were there life preservers or throwable devices on the boat that day?

  01 YES
  02 NO
LFPN

How many?

__ RECORD RESPONSE __

/NEW SCREEN
/PREPPOPULATE RESPONSES WITH RESPONSES FROM TRIP 1
/IF LFJBT=1 OR LFPBT=1
/NOT REQUIRED
/THIS GRID COLLECTS THE SPECIFIC NUMBER OF EACH TYPE OF JACKET

<table>
<thead>
<tr>
<th>Type I</th>
<th>Type II</th>
<th>Type III</th>
<th>Type IV</th>
<th>Type V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-shore Life Jacket</td>
<td>Near-shore Buoyant Vest</td>
<td>Flotation Aid</td>
<td>Throwable Device</td>
<td>Special Use Device</td>
</tr>
<tr>
<td>This life jacket is designed for extended survival in rough, open water. It usually will turn an unconscious person face up and has over 22 pounds of buoyancy. This is the best life jacket to keep you afloat in remote regions where rescue may be slow in coming.</td>
<td>This &quot;classic&quot; vest comes in several sizes for adults and children and is for calm inland water where there is chance of fast rescue. It is less bulky and less expensive than a Type I, and many will turn an unconscious person face-up in the water.</td>
<td>Flotation aids are generally considered the most comfortable, with styles for different boating activities and sports. They are for use in calm water where there is good chance of fast rescue since they will generally not turn an unconscious person face-up.</td>
<td>These are designed to be thrown to a person in the water. Throwable devices include boat cushions, ring buoys, and horseshoe buoys. They are not designed to be worn and must be supplemented by wearable life jackets.</td>
<td>Special use life jackets include work vests, deck suits, and hybrids for restricted use. Hybrid vests contain some internal buoyancy and are inflatable to provide additional flotation.</td>
</tr>
</tbody>
</table>
Did you wear a lifejacket all the time on that day?
   01 YES
   02 NO

For WKID5-LJKID15
SHOW AS GRID
IF WKID5>1 THEN ASK
LJID RESPONSE CANNOT BE GREATER THAN WKID RESPONSE
NOT REQUIRED

<table>
<thead>
<tr>
<th>People on the boat who were</th>
<th># present</th>
<th># who wore a life jacket all the time while on board</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 6 years old</td>
<td>WKID5</td>
<td>LJKID5</td>
</tr>
<tr>
<td>6 to 10 years old</td>
<td>WKID10</td>
<td>LJKID10</td>
</tr>
<tr>
<td>11 to 15 years old</td>
<td>WKID15</td>
<td>LJKID15</td>
</tr>
</tbody>
</table>

Not including you, how many of the people aged 16 and over wore lifejackets all the time they were on the boat?
   __ RECORD NUMBER
### Other Safety Equipment

<table>
<thead>
<tr>
<th>Safety equipment</th>
<th>On the boat that day</th>
<th>Used for safety purposes that day</th>
</tr>
</thead>
<tbody>
<tr>
<td>First aid kit</td>
<td>SFFA</td>
<td>SFFAUSED</td>
</tr>
<tr>
<td>Equipment for reaching someone in the water such as flares</td>
<td>SFHOOK</td>
<td>SFHOOKUSED</td>
</tr>
<tr>
<td>Fire extinguisher</td>
<td>SFEXT</td>
<td>SFEXTUSED</td>
</tr>
<tr>
<td>Visual distress signals such as flares</td>
<td>SFVDIST</td>
<td>SFVDISTUSED</td>
</tr>
<tr>
<td>Sound signal such as a horn</td>
<td>SFSDIST</td>
<td>SFSDISTUSED</td>
</tr>
<tr>
<td>Emergency Position Indicating Radio Beacon-EPIRB</td>
<td>SFEPIRB</td>
<td>SFEPIRBUSED</td>
</tr>
</tbody>
</table>

**End Safety Awareness and Behaviors**

### Negative Event Incidence and Risk

#### Negative Events

- **Load Has Mot From Boat Survey**
- **Ask if HasMot=1 or CATX=2**
- **Ask if boat has a motor or boat type=sailboat/**
- **New Screen**
- **Ask As Grid**
- **Number of occurrences and number of times reported cannot be filled unless ‘occurred’ is checked**
- **Number of occurrences >= number of times reported**

On that day, please tell us about any accidents:

<table>
<thead>
<tr>
<th>Event</th>
<th>Occurred</th>
<th>Number of occurrences</th>
<th>Number of times reported to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incident Type</td>
<td>Code</td>
<td>Code n</td>
<td>Code REP</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>--------</td>
<td>--------</td>
<td>----------</td>
</tr>
<tr>
<td>Collision with another vessel</td>
<td>ACCCOLV</td>
<td>ACCCOLVn</td>
<td>ACCCOLVREP</td>
</tr>
<tr>
<td>Boat ran aground</td>
<td>ACCAGD</td>
<td>ACCAGDn</td>
<td>ACCAGDREP</td>
</tr>
<tr>
<td>Collision with a fixed or submerged object</td>
<td>ACCCOLF</td>
<td>ACCCOLF n</td>
<td>ACCCOLF REP</td>
</tr>
<tr>
<td>Capsize, flood, or swamp</td>
<td>ACCFLD</td>
<td>ACCFLD n</td>
<td>ACCFLD REP</td>
</tr>
<tr>
<td>Someone fell overboard</td>
<td>ACCOVBRD</td>
<td>ACCOVBRD n</td>
<td>ACCOVBRD REP</td>
</tr>
<tr>
<td>Water-skier accident</td>
<td>ACCSKI</td>
<td>ACCSKI n</td>
<td>ACCSKI REP</td>
</tr>
</tbody>
</table>

**DAMAGE TO PEOPLE AND VESSELS**

/NEW SCREEN FOR ACCDAMAGE, ACCINJURY

If any of (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

Did any of these incidents involve:

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

ACCDAMAGE Damage to vessels or other property of $2,000 or more, or complete loss of any vessel?

01 YES
02 NO

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

ACCINJURY An injury requiring medical treatment or first aid

01 YES
02 NO

**ECONOMIC IMPACT OF RECREATIONAL BOATING**

/NEW SCREEN

The next questions are about all the time you spent away from home that included the day on the water we’ve been talking about. These questions are about the time from when you left your house until you returned home again, which could be just the day or, or it could be several days.
TRPDIST How far did you travel by land on this trip to reach the place where the boat was kept or was launched?
RECORD MILES /RANGE 0-9999/

MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

STYAWY. Did you stay away from home with your boat for one or more days on this trip?

01  YES
02  NO

STYN. How many nights were you away from home on this trip?
RECORD NUMBER 0-996

What type of lodging did you use on this trip? Did you stay

STYFF  With friends or family
STYBB  At a bed and breakfast
STYHTL  At a hotel or motel
STYCMP  At a campground
STYOBT  On board the boat
STYDK  DK
STYREF  REF
STYOBTN How many nights did you stay onboard the boat?
RECORD NUMBER /RANGE=1-50/

TRPDYS How many total days did you take the boat out on the water on this trip?
RECORD NUMBER /RANGE=1-50/

At which types of launch sites or ramps was the boat launched on this trip? Was it launched at

- LCHAG A launch site operated by a state boating or fishing agency.
- LCHGVT A launch site operated by a county or local government
- LCHFED A launch site operated by a federal agency such as the National Park Service, NOAA, U.S. Forest Service, Army Corps of Engineers, Fish and Wildlife Service, Bureau of Reclamation
- LCHMR A launch site at a marina or dry stack
- LCHPRV A privately owned/operated launch site

TRPMOT Were the boat’s motors or engines operated during this trip?
01 YES
02 NO

TRPMOTHR Approximately how many hours did you operate the motors or engines on this trip?
RECORD NUMBER
END MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

TRIP EXPENDITURES

/NEW SCREEN FOR EXPNRFUEL-EXPNRLODG
/SHOW IN GRID WITH SPACE FOR CURRENCY IN THE RESPONSE COLUMN
/IF NOT MISSING TRIP1
/NOT REQUIRED

The next questions concern money you spent on this trip on things other than the boat itself.

/IF TRPDIST>20/

Think about money you spent within 20 miles of your home while preparing for the trip. We'll ask you about money you spent traveling to and near the launch site in a moment.

/IF NOT MISSING TRIP1

How much did you spend for this trip [if TRPDIST>20 then "before you left"] on …

/IF HASMOT=01/
/IF BOAT HAS A MOTOR/

EXPNRFUEL Boat fuel and oil:
RECORD NUMBER/RANGE=0-997/

/IF CATX NOT IN (4,5) AND TPOX NE 2
/IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPNRDOCK Temporary dockage or marina fee:
RECORD NUMBER/RANGE=0-997/

/IF CATX NOT IN (4,5) AND TPOX NE 2
/IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPNLNCH Pump-out and launch fees:
RECORD NUMBER/RANGE=0-997/

/IF TRPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRMEAL Restaurant meals and drinks:
RECORD NUMBER/RANGE=0-997/

/IF NOT MISSING TRIP1

EXPNRGROC Groceries, take-out food and drinks:
RECORD NUMBER/RANGE=0-997/
The next questions concern money you spent after you left home for the trip. After you left home, how much did you spend on…

EXPNRLODG Lodging expenses (e.g., hotel, camping, and B&B):
RECORD NUMBER/RANGE=0-9997/

EXPFNRFUEL Boat fuel and oil:
RECORD NUMBER/RANGE=0-997/

EXPFRLNCH Pump-out and launch fees:
EXPFRMEAL Restaurant meals and drinks:
RECORD NUMBER/RANGE=0-997/

EXPFRGROC Groceries, take-out food and drinks:
RECORD NUMBER/RANGE=0-997/

EXPFRGAS Auto gas and oil:
RECORD NUMBER/RANGE=0-997/

EXPFRSHOP Shopping and souvenirs:
RECORD NUMBER/RANGE=0-997/

EXPFRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/

EXPFRLODG Lodging expenses (e.g., hotel, camping, and B&B):
RECORD NUMBER/RANGE=0-9997/

END ECONOMIC IMPACT OF RECREATIONAL BOATING
Docked days

IDENTIFY DOCKED RECREATION DAYS

/IF TRIPREM=1
/IF THERE WAS A RESPONDENT TRANSFER, WE NEED TO TRANSFER BACK AGAIN

We need to conduct the next part of the survey with [sample name]. Can you ask that person to come back to the computer?

When you’re ready, click ‘Next’.

/NEW SCREEN
/ALL/
/NOT REQUIRED

STOREM

During [reference period; last calendar month], was the boat kept on land or on the water?

01 LAND
02 WATER

/NEW SCREEN FOR DTRIP AND DTRN
/IF STOREM=02/
/IF THE BOAT WAS STORED ON WATER, PROCESS WITH THIS SECTION. ELSE SKIP TO THE END./
/NOT REQUIRED

DTRIP

During [reference period; last calendar month], was there any day when you or members of your household spent time on the boat while it was docked but didn’t take it out on the water?

This could be working on the boat, socializing, or doing any other activity while the boat was docked.

We’re interested in days when you personally were on your boat.

01 YES
02 NO

/IF DTRIP=01/
/IF SPENT TIME ON BOAT WHILE DOCKED/
/MULTIPLE=1-7/
/NOT REQUIRED

DTRN

On how many days in [reference period; last calendar month] did you or someone from your household spend more than an hour on the boat while it was docked?

RECORD NUMBER 1-7
THE SURVEY WILL HAVE UP TO TWO DOCKED REPORTS. HERE, WE SET A FLAG TO TELL US HOW MANY TRIPS WE’LL PROFILE.
THEN FOR EACH DOCKED DAY, WE’LL PICK ONE OF THE TRIPS FROM THE SET OF DTRN
IF DTRN=1 THEN DPROFILES=1
ELSE IF DTRN>1 THEN DPROFILES=2
ELSE DPROFILES=0

FIRST DOCKED DAY

/PICK THE FIRST DOCKED DAY
/IF DPROFILES IN (1, 2) THEN
SELECT A RANDOM INTEGER 1 TO DTRN=DTRIP1
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’ SAY

Next, we’re going to ask about one particular day you spent time on the boat on the dock. The computer has randomly selected to ask about the [identifier] day.

TRIP EXPOSURE

STATES WHERE BOATED

/IF NOT MISSING DTRIP1
/NOT REQUIRED

DLOC

On that day, which of the United States was the boat in?

RECORD STATE, INCLUDE PUERTO RICO, VIRGIN ISLANDS, GUAM, AND OUTSIDE THE US

01-56. STATE FIPS CODE
77. DON’T KNOW/NOT SURE
99. REFUSED

/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01 Alabama
02 Alaska
04 Arizona
05 Arkansas
06 California
08 Colorado
09 Connecticut
10 Delaware
11 District of Columbia
12 Florida
13 Georgia
15 Hawaii
16 Idaho
17 Illinois
18 Indiana
19 Iowa
20 Kansas
21 Kentucky
PEOPLE ON THE BOAT

*IF NOT MISSING DTRIP1
/NOT REQUIRED

DPPL

Including you, how many people were on the boat while it was docked?

RECORD NUMBER 1-997

BOAT HOURS

*IF NOT MISSING DTRIP1
/NOT REQUIRED

DHRS

On that day, how many hours did you spend on the boat while it was docked?
SECOND DOCKED DAY

/PICK THE SECOND DOCKED DAY
/IF DPROFILES IN (2) THEN
SELECT A RANDOM INTEGER 1 TO DTRN=DTRIP2
DTRIP2 CANNOT EQUAL DTRIP1
IDENTIFIER IS ‘NTH’ AS IN ‘FIRST’, ‘SECOND’, ... ‘THIRTEENTH’

Next, I’m going to ask about one particular day you spent time on the boat on the dock. My computer has randomly selected to talk about the [identifier] day.

TRIP EXPOSURE

STATES WHERE BOATED

/NOT MISSING DTRIP2
/NOT REQUIRED

DLOC

On that day, which of the United States was the boat in?

RECORD STATE, INCLUDE PUERTO RICO, VIRGIN ISLANDS, GUAM, AND OUTSIDE THE US

01-56. STATE FIPS CODE
77. DON’T KNOW/NOT SURE
99. REFUSED
/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01 Alabama
02 Alaska
04 Arizona
05 Arkansas
06 California
08 Colorado
09 Connecticut
10 Delaware
11 District of Columbia
12 Florida
13 Georgia
15 Hawaii
16 Idaho
17 Illinois
18 Indiana
19 Iowa
20 Kansas
21 Kentucky
22 Louisiana
23 Maine
24 Maryland
25 Massachusetts
26 Michigan
Including you, how many people were on the boat while it was docked?

**RECORD NUMBER 1-997**

On that day, how many hours did you spend on the boat while it was docked?

**RECORD NUMBER 1-24**
APPENDIX 3: PARTICIPANT SURVEY

COGNITIVE INTERVIEWING GUIDE ROUND 1

INTERVIEWER: THE PROBES PROVIDED HERE ARE JUST SUGGESTIONS. PLEASE FEEL FREE TO PROBE FOR OTHER CONCEPTS OR CONFUSIONS AS APPROPRIATE OR TO CHANGE YOUR PROBES.

IN GENERAL, WE NEED TO KNOW HOW WELL RESPONDENTS ARE UNDERSTANDING THE TERMS IN THIS SURVEY AND WHETHER THE TERMS THEY THINK OF IN RESPONSE TO THE QUESTIONS ARE THE SAME ONES WE HAVE IN OUR LISTS.

Study of Boating Questionnaire

Informed Consent Form

To begin, let me read you some information about what we’re doing here today.

Purpose: The US Coast Guard is seeking feedback on questionnaires proposed for the National Recreational Boating Survey. ICF Macro has been selected to conduct cognitive interviews to evaluate these survey instruments for the US Coast Guard.

Subjects: For this study, the US Coast Guard is conducting one-on-one interviews with people who are familiar with boating. Discussion will be led by a member of the research team and will involve questions regarding boats, boating trips, and boating participation. Findings will be used to improve the proposed questionnaires.

Benefits & Risks: You have been selected because you are presumed to be representative of the US Boating population.

Benefits & Risks: There are no direct benefits of participation. However, participating in the research may increase your awareness of your personal behavior and its potential health risks. The answers you give can help improve the National Recreational Boating Survey which could potentially help the Coast Guard identify and address common boating related issues common to the public. Potential risks are minimal. They may include discomfort or embarrassment associated with revealing personal information. In the event that the discussion raises some difficult feelings for you, you can stop or not answer a particular question. You may also stop the interview at any time.

Confidentiality: Participation in this study is voluntary, and your refusal to participate will involve no penalty or loss to the benefits to which you are entitled.

Only the researchers and fellow participants will know your answers and comments during the discussion. The discussion may be taped for accuracy. A code will be used as an identifier on transcripts. No identifying information will be provided in any publication and the data will be written so as to disguise your identity and maintain confidentiality. Nevertheless, you may be able to recognize the material in text as coming from your interview. Others who did not participate in the discussion should not be able to identify it. The researcher is mandated to report to the proper authorities suspected child abuse, and any indications that you are imminent danger of harming yourself or others.
**Voluntary Participation:** There is not penalty for choosing not to participate or for choosing to stop the interview at any time. You may choose not to answer a question for any reason.

**Length of Participation:** The discussion should take no more than one hour. You will not be recontacted for additional information after completion of the group.

**Contact Information:** If you have any questions about this study, please contact:

*Seth Muzzy*
*Macro International*
*116 John Street, New York City*
*telephone: (212) 941-5555*

Or you may contact the Macro International Institutional Review Board if you have questions about your rights as a subject:

*Renee Agee, Macro International IRB representative*
*telephone: (301) 572-0200*

**DO YOU UNDERSTAND WHAT I JUST READ TO YOU?**
**DO YOU HAVE ANY QUESTIONS?**
**CONSENT READ AND AFFIRMED [INSERT DATE] [INSERT TIME]**
Today I’m testing a survey we’ll be using to collect information about people’s boating behavior. This survey will be carried out on the phone with people all over the country. For the questions about you, please answer them as you would if you were on the phone with an interviewer.

We are interested in your answers, but also how you go about making them. After you answer the questions, I may ask you questions about them.

Please tell me if there are words you don’t understand, or if the question doesn’t make sense to you, or if you could interpret it two ways, or if it seems out of order, or if the answer you are looking for is not provided.

The more you can tell us, the more useful it will be to us as we try to develop better questions. Okay? Do you have any questions before we start?

INFO. You are eligible to be interviewed. I won't ask for your name, address, or other personal information that can identify you. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 5 minutes. The United states Coast Guard is interested in how Americans spend their time.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]

1. YES
2. NO

DO YOU UNDERSTAND WHAT I JUST SAID TO YOU?
DOES ANYTHING IN THIS STATEMENT MAKE YOU FEEL UNCOMFORTABLE?
DO YOU THINK IT WILL MAKE OTHER PEOPLE UNCOMFORTABLE?

BT1

In this survey, we’re interested in time people spent on recreational boats. That means boats that aren’t used for purposes that make money. When I ask you about time spent on boats, please think about recreational boats. This could include boats that are rented—such as canoes—or boats that are privately owned by you or someone else.

For this question, please think about all time in recreational boats both on the water and when the boat was docked.

IF NECESSARY: Even if you do not boat, your responses are important. The survey is very short.
DID YOU UNDERSTAND WHAT I SAID TO YOU?
DO YOU FEEL LIKE THIS SURVEY APPLIES TO YOU?
IT'S IMPORTANT FOR US TO GET RESPONSES FROM EVERYBODY. IS THERE ANYTHING I COULD SAY THAT WOULD HELP YOU UNDERSTAND WHY IT'S IMPORTANT FOR YOU TO PARTICIPATE?

Did you or anyone else in your household spend any time on recreational boats during 2009?
1 YES
2 NO
DK
REF

WAS THAT YOU OR SOMEONE ELSE?
WHAT DID THEY DO ON RECREATIONAL BOATS?
NOTE: MAKE SURE THEY THOUGHT ABOUT ALL THE PEOPLE IN THEIR HOUSEHOLD

BT2
Did you or anyone else in your household fish from a boat during 2009?
1 YES
2 NO
DK
REF

BT3
Did you or anyone else in your household use a kayak or canoe during 2009?
1 YES
2 NO
DK
REF

END HOUSEHOLD PARTICIPATION

HOUSEHOLD PARTICIPANT ENUMERATION

Including yourself, how many total people lived in your household at any time during 2009?
RECORD NUMBER 1-30

WHAT DID YOU THINK ABOUT WHEN YOU DECIDED HOW MANY PEOPLE LIVED IN YOUR HOUSEHOLD LAST YEAR?
NOTE: MAKE SURE THEY COUNTED THEMSELVES

DEMOGRAPHICS

ALL=1

P1SEX

[ASK ONLY IF NECESSARY] I am required to ask, what is your gender?
1 MALE
2 FEMALE
98 DK
99 REF

P1AGEA

What is your age?
ENTER AGE 18-95
97 OVER AGE 95
98 DK
99 REF

DID THIS QUESTION MAKE YOU UNCOMFORTABLE?
DO YOU THINK IT WILL MAKE OTHER PEOPLE UNCOMFORTABLE?
IT'S IMPORTANT THAT WE HAVE PEOPLE'S AGES TO MAKE SURE THE SURVEY REPRESENTS EVERYONE. HOW COULD I ASK THIS QUESTION SO IT MADE YOU FEEL COMFORTABLE PROVIDING THE INFORMATION?

IF THEY REFUSE AGE ABOVE, ASK

P1AGEB

Which of the following categories includes your age?
1 18 to 24
2 25 to 34
3 35 to 44
4 45 to 54
5 55 to 64
6 65 and over
8 DK
9 REF
PARTICIPATION

ASK THESE QUESTIONS IF THEY REPORTED THAT ANYONE IN THE HOUSE BOATED. IF NOT, SKIP DOWN TO LIFETIME PARTICIPATION

P1BTA

Remember that recreational boating includes boating in kayaks and canoes and fishing from boats. In 2009, was there any day when you went out on the water in a recreational boat?

IF NECESSARY: We’re interested in days when you personally were on the boat.

1 YES
2 NO
DK
REF

HOW DID YOU GO ABOUT REMEMBERING WHETHER YOU HAD BEEN OUT ON A BOAT IN 2009? DID YOU GO OUT IN 2008? WHEN?

P1DOCKA

In 2009, was there any day when you spent more than an hour on a recreational boat while it was not on the open water when you were not preparing to launch the boat?

IF NECESSARY: Working on the boat, socializing, or doing any other activity while the boat was docked.

IF NECESSARY: We’re interested in days when you personally were on the boat.

1 YES
2 NO
DK
REF

NOTE: THESE QUESTIONS ARE LOOKING FOR TELESCOPING. PROBE TO SEE WHETHER TRIPS REMEMBERED AT 2009 MIGHT REALLY BE 2008.

MODULE: LIFETIME PARTICIPATION

IF THE ANSWER TO BOATING LAST YEAR, IS NO, ASK THIS QUESTION

P1LT

Have you ever participated in recreational boating?

1 YES
ASK ABOUT ALL THE PEOPLE WHO LIVED IN THE HOUSE IN 2009

Please tell us about the other [If PN=2 THEN “person” ELSE IF PN>2 “people”] who lived in your household during 2009 and whether they have boated.

IF PN>2

To make it easy, I’ll ask about the people in your household from youngest to oldest.

DEMOGRAPHICS

REFER TO ALL THE PEOPLE IN THE HOUSE FROM ‘YOUNGEST PERSON OTHER THAN YOU’, ‘NEXT YOUNGEST PERSON’, ‘OLDEST PERSON’

NOTE: IN THIS SECTION, WE ARE USING THIS SYSTEM OF ‘IDENTIFIERS’. IF THE RESPONDENT HAS A HARD TIME UNDERSTANDING OR TRACKING WHO WE’RE TALKING ABOUT, TRY OTHER WAYS OF IDENTIFYING HOUSEHOLD MEMBERS LIKE ‘OLDEST WOMAN’…

PNSEX

What is [identifier]’s gender?

1 Male
2 Female
98 DK
99 REF

PNAGEA

How old is [identifier]?

ENTER AGE 18-95
97 OVER AGE 95
98 DK
99 REF

IF THEY REFUSE AGE, ASK

PNAGEB

Which of the following categories includes [identifier]’s age?

1 0 to 5
2 6 to 10
PARTICIPATION

ASK THESE QUESTIONS IF THEY SAID ANYONE IN THE HOUSE BOATED. OTHERWISE, SKIP TO LIFETIME PARTICIPATION

PNBTA

In 2009, was there any day when [identifier] went out on the water in a recreational boat?

1 YES
2 NO
DK
REF

HOW DID YOU GO ABOUT REMEMBERING WHETHER THIS PERSON BOATED LAST YEAR?

DO YOU THINK THEY BOATED IN 2008?

PNDOKCA

In 2009, was there any day when [identifier] spent more than an hour on a recreational boat while it was docked?

IF NECESSARY: when you were not preparing to launch the boat

1 YES
2 NO
DK
REF

HOW DID YOU GO ABOUT REMEMBERING WHETHER THIS PERSON WAS ON A DOCKED BOAT LAST YEAR?

DO YOU THINK THEY SPENT TIME ON A DOCKED BOAT IN 2009?
NOTE: HERE, WE ARE INTERESTED IN TIME SPENT ON BOATS WHEN PEOPLE WERE HANGING OUT WITH FRIENDS, HAVING A BARBECUE, OR WORKING ON THE BOAT. ALL THAT TIME COULD BE TIME WHEN THEY ARE IN DANGER OF FALLING OVERBOARD OR HAVING AN ACCIDENT.
PROBE TO SEE IF THE RESPONDENT GETS THE IDEA.

MODULE: LIFETIME PARTICIPATION

IF THE ANSWER TO BOATING LAST YEAR, IS NO, ASK THIS QUESTION
PNLT
Has [identifier] ever participated in recreational boating?
1 YES
2 NO
DK
REF

HOW DID YOU GO ABOUT DECIDING WHETHER THIS PERSON HAS EVER BOATED.
NOTE: HERE IT WOULD BE NICE TO KNOW IF THEY'RE GUESSING. PROBE FOR CONFIDENCE.

END MODULE: LIFETIME PARTICIPATION

END HOUSEHOLD PARTICIPANT ENUMERATION

BOATING SAFETY AWARENESS AND BEHAVIORS

LIFEJACKETS IN THE HOUSEHOLD

IF ANYBODY BOATED THIS YEAR, THEN ASK
LFJ_hhld
Does your household own any life jackets?
1 YES
2 NO
DK
REF

WHAT DID YOU THINK ABOUT WHEN YOU ANSWERED THIS QUESTION?

LFJN
How many?
RECORD NUMBER
SAFETY BEHAVIORS OF A BOATING CHILD

IF ANYBODY IN THE HOUSEHOLD IS YOUNGER THAN 16 AND DID BOAT LAST YEAR, USE THEIR AGE TO REFER TO THEM IN THESE QUESTIONS. IF THERE’S MORE THAN ONE KID, JUST ASK FOR ONE OF THEM.

CHSAFETY. I have a couple of questions about the [childage] year old child who boated in 2009. Has this child ever participated in a boating safety course?

IF NECESSARY: I mean the [pnsex] child, the one who is the [household enumeration identifier]

1 YES
2 NO
DK
REF

IF YES,
WHEN WAS THAT?
WHAT KIND OF COURSE WAS IT?
WHO OFFERED IT?
NOTE: HERE, WE JUST WANT TO MAKE SURE THAT ANY COURSE THEY MENTION WAS A FORMAL COURSE.

CHLFJ. How often did this child wear a life jacket while on board a boat during 2009? Would you say…

Always
Most of the time
Sometimes
Rarely, or
Never
DK
REF

WHAT DID YOU THINK ABOUT WHEN ANSWERING THIS QUESTION?
IF ALWAYS, WAS THERE ANY TIME WHEN THE CHILD WASN’T WEARING A LIFEJACKET?

END SAFETY BEHAVIORS OF A BOATING CHILD

END BOATING SAFETY AWARENESS AND BEHAVIORS

USERINTRO
The next questions are about time you have spent on recreational boats in 2009. Remember that recreational boating includes any time spent on boats including fishing, kayaking, and canoeing, but that trips you pay for on chartered boats like whalewatching trips do not count.

The next questions are about all of your experiences on recreational boats in 2009.

During 2009, in what types of boats did you go out on the water?

RECORD RESPONSES
WHAT OTHER KINDS OF BOATS DO YOU KNOW ABOUT?
NOTE: THIS SERIES SHOULD TEST THEIR SPONTANEOUS RESPONSES AND THEIR COMPREHENSION OF OUR LISTED OPTIONS.

GOING FORWARD, THESE LISTS ARE MULTIPUNCH. GET AN ANSWER FOR EVERY ITEM.

Did you go out on …
USEPWR A powerboat,
USESAIL A sailboat,
USEPWC A personal watercraft such as a jetski,
USECNA A canoe,
USEKY A kayak, or
USEOTH Something else?

1 YES
2 NO
DK
REF

WHAT DID YOU THINK ABOUT WHEN YOU WERE DECIDING WHETHER YOU WENT OUT ON EACH OF THESE BOATS?

IF THEY WENT OUT ON A POWERBOAT OR THEY DON’T KNOW THE ANSWER ABOVE, ASK THIS QUESTION

In which of the following types of powerboats did you go out on the water in 2009? Did you go out on…
USEAB An airboat
USECM A cabin motorboat
USEHB A houseboat

IF NECESSARY: We mean time on a houseboat when it was actually in transit on the water.
HOW DID YOU DECIDE WHAT KINDS OF POWERBOATS YOU HAD BEEN ON?
WERE ANY OF THESE CATEGORIES HARD TO UNDERSTAND?

IF THEY WENT OUT ON A SAILBOAT OR THEY DON’T KNOW WHAT KIND, ASK THIS
In which of the following types of sailboats did you go out on the water in 2009. Did you go out on…

USEAX An auxiliary sailboat
USESLS A sail only boat

HOW DID YOU DECIDE WHAT KINDS OF POWERBOATS YOU HAD BEEN ON?
WERE ANY OF THESE CATEGORIES HARD TO UNDERSTAND?

IF THEY DON’T KNOW, OR WENT OUT IN ANOTHER KIND OF BOAT…
In which of the following types of other boats did you go out on the water in 2009. Did you go out on…

USEROW A rowboat
USEIN An inflatable boat

HOW DID YOU DECIDE WHAT KINDS OF POWERBOATS YOU HAD BEEN ON?
WERE ANY OF THESE CATEGORIES HARD TO UNDERSTAND?
**ACTIVITIES**

*IF ANYBOAT=1*

What did you do on boats on the water during 2009?

**RECORD ALL RESPONSES. WE NEED THESE TO REFINE THE LIST BELOW.**

WHAT DID YOU THINK ABOUT WHEN DECIDING WHAT YOU DID?

DID YOU DO ANY OF THESE THINGS IN 2008?

WHICH OF THESE ACTIVITIES DID YOU DO LEAST OFTEN? WHEN DID YOU DO THAT?

WHICH DID YOU DO MOST OFTEN?

IF NECESSARY: What types of activities did you engage in?

UACTCRS CRUISING

UACTRLX RELAXING ALONE OR WITH FRIENDS

UACTFSH FISHING OR CRABBING

UACTHNT HUNTING

UACTPDL QUIET WATER PADDLING

UACTRC RACING

UACTROW ROWING

UACTSCUB SCUBA DIVING OR SNORKELING

UACTOBS SIGHTSEEING OR NATURE OBSERVATION

UACTSNBTH SUNBATHING

UACTSWM SWIMMING OR DIVING

UACTTOW WATERSKIING, WAKEBOARDING, OR TUBING

UACTWHTWTR WHITEWATER BOATING

UACTOTH OTHER

**END BOATING PARTICIPATION**

**BOATING SAFETY AWARENESS AND BEHAVIORS**

**ALCOHOL**

**ALCCONSUME** During 2009, did anyone on a boat you were on drink any alcoholic beverages while the boat was on the water?

1 YES

2 NO

DK

REF
WHAT DID YOU THINK ABOUT TO REMEMBER ABOUT ALCOHOL ON THE BOAT?
DID THIS QUESTION MAKE YOU UNCOMFORTABLE?
DO YOU THINK IT WILL MAKE OTHER PEOPLE UNCOMFORTABLE?

ALCOPERATOR During 2009, did the operator of a boat you were on ever drink any alcoholic beverages?

1 YES
2 NO
DK
REF

PROBE TO MAKE SURE THEY ANSWERED FOR THE OPERATOR

IF THE OPERATOR DRANK, THEN ASK...

ALCIMPAIR Can you think of any times during 2009 when you thought the boat operator was impaired due to alcohol consumption?

1 YES
2 NO
DK
REF

PROBE TO MAKE SURE THEY ANSWERED FOR THE OPERATOR

DID THIS QUESTION MAKE YOU UNCOMFORTABLE?
DO YOU THINK IT WILL MAKE OTHER PEOPLE UNCOMFORTABLE?

END  BOATING SAFETY AWARENESS AND BEHAVIORS

MODULE: RENTED BOATS

TRIP REPORT—FOR ADMINISTRATION 2011 FORWARD

RENTALINTRO The following question regards time you might have spent on boats you rented. This includes boats rented for fishing trips and canoe or kayak trips, but it does not include commercial trips such as whale watching expeditions.

During 2009 was there any day when you spent time on the water in a rented boat?

1 YES
2 NO
DK
REF
PROBE TO ENSURE THAT THIS WAS A RECREATIONAL TRIP?
WHEN WAS THAT?
WHAT KIND OF BOAT DID YOU RENT?
WHAT DID YOU DO?
DID YOU RENT ANY BOATS IN 2008?

MODULE: CLOSING

CLOSING. Those are all the questions I have for today. Thank you so much for your participation.
RECOMMENDED SURVEY: TELEPHONE

/ALL EXCEPT CALLBACKS FOR USERS SELECTED AT NEEDXFR (NEEDXFR=3)/

INTRO1Hello, my name is [full name]. I’m calling on behalf of the United States Coast Guard. I’m conducting a poll about recreation in the United States.

[IS RESPONDENT CONTINUING WITH THE INTERVIEW?]

[IF NECESSARY: “This is not a sales call. I have nothing to sell either now or later. This is an important survey about your opinions.”]

[IF NECESSARY: “Your number was selected randomly by a computer.”]

[IF NECESSARY: “We are looking to speak with people with a wide range of boating experiences.”]

[IF NECESSARY: “This survey is about safety for everyone who participates in recreational boating.”]

01 YES
02 NO

/IF INTRO1=01/
/IF RESPONDENT IS CONTINUING WITH THE INTERVIEW/

CELL1. Is this a cell phone?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF CELL1=01/
/IF RESPONDENT IS USING A CELL PHONE/

CELL2. Your safety is important to us. Are you driving a car or other vehicle right now?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF CELL2 =01, 97, 99 THEN TERMINATE/
/SET UNSCHEDULED CALLBACK/
/IF CELL2=02/
/IF RESPONDENT IS NOT DRIVING A CAR/

AGEEQUAL. Are you at least 16 years of age?

01 YES
02 NO
INFO. You are eligible to be interviewed. I won't ask for your name, address, or other personal information that can identify you. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 5 minutes. The United states Coast Guard is doing this survey to help make Americans safer.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]
01 YES
02 NO

/HF INFO=02 THEN TERMINATE AND/
/SET TERMTYPE=CONSENT/

BT1 In this survey, we’re interested in time people spent on recreational boats. That means boats that aren’t used for purposes that make money. When I ask you about time spent on boats, please think about recreational boats. This could include boats that are rented—such as canoes—or boats that are privately owned by you or someone else.

For this question, please think about all time in recreational boats both on the water and when the boat was docked.

[IF NECESSARY: “Even if you do not boat, your responses are important. The survey is very short.”]

Did you or anyone else in your household spend any time on recreational boats during [month]?

[IF NECESSARY: “We are asking about all people who have lived in your house in the past year, whether they still reside there or not.”]
01 YES
02 NO
97 DON'T KNOW
BS1 Do you, or does anyone in your household own any boats? Please include canoes, kayaks, inflatable boats, and personal watercraft.

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

BT2 Did you or anyone else in your household fish from a boat during [month]?

01 YES
02 NO
97 DK
99 REFUSED

BT3 Did you or anyone else in your household use a kayak or canoe during [month]?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

END HOUSEHOLD PARTICIPATION

HOUSEHOLD PARTICIPANT ENUMERATION

PN Including yourself, how many total people lived in your household at any time during [month]?

__ RECORD NUMBER 1-30
97 DON'T KNOW
99 REFUSED
DEMOGRAPHICS

/IF INFO=01/
/IF RESPONDENT IS CONTINUING WITH THE SURVEY/

P1SEX  [ASK ONLY IF NECESSARY] To make sure the survey represents everyone, I need to ask. What is your gender?
01  MALE
02  FEMALE
07  DON'T KNOW
09  REFUSED

/IF INFO=01/
/IF RESPONDENT IS CONTINUING WITH THE SURVEY/
/RANGE 18-95/

P1AGEA  What is your age?
  __  ENTER AGE 18-95
  95  OVER AGE 95
  07  DON'T KNOW
  09  REFUSED

/IF P1AGEA=97, 99/
/IF RESPONDENT DOES NOT GIVE THEIR AGE/

P1AGEB  Which of the following categories includes your age?
01  18 to 24
02  25 to 34
03  35 to 44
04  45 to 54
05  55 to 64
06  65 and over
  07  DON'T KNOW
  09  REFUSED

/IF BT1=1 OR BT2=1 OR BT3=1 THEN ANYBOAT=1/
/IF ANYBOAT=1/

P1BTA  In [month], was there any day when you went out on the water in a recreational boat? We are asking only about your participation in boating.

[IF NECESSARY: “Remember that recreational boating includes boating in kayaks and canoes and fishing from boats.”]

[IF NECESSARY: “We’re interested in days when you personally were on the boat.”]
/IF ANYBOAT=1 AND IF ANY (USEPWR USESAIL USEOTH)=1 /

P1DOCKA In [month], was there any day when you spent more than an hour on a recreational boat while it was not on the open water?

[IF NECESSARY: “Working on the boat, socializing, or doing any other activity while the boat was docked.”]

[IF NECESSARY: “We’re interested in days when you personally were on the boat.”]

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF P1BTA NE 01 AND P1DOCKA NE 01/ /IF RESPONDENT HAS NOT GONE OUT ON A BOAT IN OPEN WATER AND NOT ON SPENT TIME WHILE DOCKED/ 

P1LT Have you ever participated in recreational boating?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

/IF PN>1/ /IF MORE THAN ONE PERSON LIVED IN THE HOUSEHOLD DURING THE REFERENCE PERIOD/ 

Please tell us about the other [If PN=2 THEN “person” ELSE IF PN>2 “people”] who lived in your household during [month] and whether they have boated.

/IF PN>2/ /IF MORE THAN TWO PEOPLE LIVED IN THE HOUSEHOLD DURING THE REFERENCE PERIOD/ 

To make it easy, I’ll ask about the people in your household from youngest to oldest.
/BEGIN DEMOGRAPHICS LOOP
/START COUNTER AT 2/
/WHILE COUNTER<=PN/
/VARIABLE NAMES ARE P2X-PNX AS IN P2SEX-P4SEX/

/LOOP THROUGH GENDER/AGE FOR EVERYONE./

IF PN=2 THEN ‘IDENTIFIER’ IS ‘THE OTHER PERSON IN YOUR HOUSEHOLD’
ELSE IF COUNTER=2 ‘IDENTIFIER’ IS ‘THE YOUNGEST PERSON IN YOUR HOUSEHOLD’
ELSE IF COUNTER>2 AND COUNTER<PN THEN ‘IDENTIFIER’ IS ‘THE NEXT YOUNGEST PERSON IN YOUR HOUSEHOLD’
ELSE IF COUNTER=PN THEN IDENTIFIER IS ‘THE OLDEST PERSON IN YOUR HOUSEHOLD’

PNSEX What is [identifier]’s gender?
[IF NECESSARY: “For this question, we are asking only about [identifier]’s participation in boating”]
[IF NECESSARY: “Other than yourself”]

01 MALE
02 FEMALE
97 DON’T KNOW
99 REFUSED

/WHILE COUNTER<=PN/
/RANGE=18-95/

PNAGEA How old is he/she?
___ ENTER AGE 18-95
95 OVER AGE 95
97 DON’T KNOW
99 REFUSED

/IF PNAGEA=97, 99/
/IF RESPONDENT DOES NOT GIVE THEIR AGE/

PNAGEB Which of the following categories includes his/her age?
01 0 to 5
02 6 to 10
03 11 to 15
04 16 to 24
05 25 to 34
PARTICIPATION

/END AGE/GENDER LOOP

/PARTICIPATION

/BEGIN PARTICIPATION LOOP
/IF ANYBOAT=1 WHILE COUNTER<=PN/
/LOOP THROUGH THESE FOR ALL FAMILY MEMBERS AFTER THE AGE/GENDER SERIES/

PNBTA In [month], was there any day when he/she went out on the water in a recreational boat?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF ANYBOAT=1 WHILE COUNTER<=PN/

PNDOCKA In [month], was there any day when he/she spent more than an hour on a recreational boat while it was docked?
[IF NECESSARY: “when you were not preparing to launch the boat”]
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

MODULE: LIFETIME PARTICIPATION

/IF PNBTA NE 01 AND PNDOCKA NE 01

PNLT Has he/she ever participated in recreational boating?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED
END MODULE: LIFETIME PARTICIPATION

/END PARTICIPATION LOOP

END HOUSEHOLD PARTICIPANT ENUMERATION

BOATING SAFETY AWARENESS AND BEHAVIORS

LIFEJACKETS IN THE HOUSEHOLD

/IF ANYBOAT=1/
LFJ_hhld    Does anyone in your household own any life jackets?
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

/IF LFJ_HHLD=01/
/IF SOMEONE IN HOUSEHOLD OWNS A LIFE JACKET/
/IF LFJ_HHLD=01/
/RANGE=1-50/
LFJN    How many?
  [IF NECESSARY: total jackets are owned by all the people in your household]
  ___ RECORD NUMBER
  97 DON'T KNOW
  99 REFUSED

END LIFEJACKETS IN THE HOUSEHOLD

SAFETY BEHAVIORS OF A BOATING CHILD

/CHILDSELECT=A RANDOM PERSON FROM ALL RECORDS WHERE (PNAGEA<16) AND (PNBTA=1 OR PNDOCKA=1)/
/ASSIGN AN IDENTIFIER-CHILDAGE=PNAGEA/

CH SafetY. I have a couple of questions about the [childage] year old child who boated in [year]. Has this child ever participated in a boating safety course?

[IF NECESSARY: “I mean the [pnsex] child, the one who is the [household enumeration identifier]”]
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED
/IF CHILDSELECT PNBTA=01 OR PNDOCKA=01/
/IF CHILDSELECT WAS FIRST TIME THIS YEAR ON WATER OR DOCKED RECREATIONAL BOAT/

CHLFJ. How often did this child wear a life jacket while on board a boat during [year]? Would you say…

01    Always
02    Most of the time
03    Sometimes
04    Rarely
05    Never
97    DON'T KNOW
99    REFUSED

END SAFETY BEHAVIORS OF A BOATING CHILD

END BOATING SAFETY AWARENESS AND BEHAVIORS

SURVEY OF AN INDIVIDUAL PARTICIPANT

AMONG HOUSEHOLD MEMBERS WHERE
PNDOCKA=1 OR PNBTA=1
AND
PNAGEA>=16 OR PAGEB IN (4,5,6,7,8,9)
AND
PNSEX NE 97, 99
RANDOMLY SELECT ONE AND MAKE IDENTIFIER = “THE PNSEX AGED [PNAGEA OR
PNAGEB] YEARS”
IF THERE ARE NO ELIGIBLE RESPONDENTS, SKIP TO END AND SELECTED=0

ISYOU

I need to talk to the [identifier] to complete the rest of the survey. Is that you?

[IF NECESSARY: “we randomly select one boating household member to complete the survey
to make sure everyone is surveyed equally.”]

01    YES
02    NO
97    DON'T KNOW
99    REFUSED

/IF ISYOU IN (01,97,99) THEN GO TO USERINTRO2/
/IF ISYOU=02 REQUEST TRANSFER BELOW/

NEEDXFR

Can you transfer me to [if SELECTEDSEX=1 then “him”, else “her”]?

01    SUCCESSFUL TRANSFER
XFRNUM. Is there a better number I can call [if SELECTEDSEX=1 then “him”, else “her”] at?

01 YES—RECORD NUMBER
02 NO
97 DON'T KNOW
99 REFUSED

XFRNAME. Can you give me a name to ask for when I call back to speak to [if SELECTEDSEX=1 then “him”, else “her”]?

[IF NECESSARY: “I just need a first name or some initials. Anything that will allow me to ask for the right person when I call back.”][IF NECESSARY: “The survey is completely confidential and anonymous. We won’t use any information like your name for any purpose other than contacting you to complete the survey.”]

01 RECORD NAME—SCHEDULE CALLBACK
99 REFUSED

INTRO1b
[If XFRNAME ne “”: “Hello, may I please speak with [XFRNAME]?”]. My name is [full name]. I’m calling on behalf of the United States Coast Guard. I’m conducting a poll about recreation in the United States.

[IS RESPONDENT CONTINUING WITH THE INTERVIEW?]
01. YES
02. NO

[IF NECESSARY: “We recently called and spoke with someone else in your home about this survey. You were randomly selected to participate.”]

[IF NECESSARY: “This is not a sales call. I have nothing to sell either now or later. This is an important survey about your opinions.”]

[IF NECESSARY: ‘Your number was selected randomly by a computer.”]

CELL1b. Is this a cell phone?
CELL2b. Your safety is important to us. Are you driving a car or other vehicle right now?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF CELL2B IN (01,97,99) THEN TERMINATE/
/SET UNSCHEDULED CALLBACK/
/IF INTRO1B=01/
/IF RESPONDENT IS CONTINUING WITH INTERVIEW/

AGEQUALb. Are you at least 16 years of age?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF AGEQUALB IN (02, 97, 99) THEN TERMINATE/
/SET TERMTYPE=AGEUSER/
/IF INTRO1B=01/
/IF RESPONDENT IS CONTINUING WITH INTERVIEW/

INFOb.. You are eligible to be interviewed. I won't ask for your name, address, or other personal information that can identify you. You don’t have to answer any question you don’t want to, and you can end the interview at any time. The interview will take about 5 minutes. The United States Coast Guard is doing this survey to help make Americans safer.

Any information you give me will be kept private, to the extent permitted by law. If you have any questions about this survey, I will provide a telephone number for you to call to get more information.

This interview may be monitored or recorded.

[Is respondent continuing with the interview?]
USERINTRO In this survey, we’re interested in time people spent on recreational boats. That means boats that aren’t used for purposes that make money. When I ask you about time spent on boats, please think about recreational boats. This could include boats that are rented—such as canoes—or boats that are privately owned by you or someone else.

BT
For this question, please think about all time in recreational boats both on the water and when the boat was docked.

In [year], was there any day when you went out on the water in a recreational boat?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

DocK
In [year], was there any day when [identifier] spent more than an hour on a recreational boat while it was docked?

IF NECESSARY: when you were not preparing to launch the boat
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

The next questions are about all of your experiences on recreational boats in [reference period].
During [reference period], in what types of boats did you go out on the water? Did you go out on ...

USEPWR A power boat,
USESAIL A sailboat,
USEPWC A personal watercraft such as a jetski,
USECN A canoe,
USEKY A kayak, or
USEOTH Something else?
    USEDK DON'T KNOW
    USERF REFUSED

[IF NECESSARY: “A power boat refers to a boat of any size powered by a motor”]

/IF USEPWR=01/
/MULTIPUNCH/
In which of the following types of power boats did you go out on the water in [reference period]? Did you go out on...

USECM Any cabin motorboats
USEJB Any jet boats
USEOM Any open motorboats
USEPTN A pontoon boats
USEHB Any houseboats

[IF NECESSARY: “We mean time on a houseboat when it was actually in transit on the water.”]

USEAB Any airboats
    USEDKN DON'T KNOW
    USERFD REFUSED

[IF NECESSARY: “an open motor boat refers to a power boat without a cabin, including boats canopied or fitted with temporary partial shelters.”]

/IF USESAIL=01/
/MULTIPUNCH/
In which of the following types of sail boats did you go out on the water in [reference period]. Did you go out on…

USEAX Any auxiliary motor sail boat
In which of the following types of other boats did you go out on the water in [reference period]. Did you go out on…
USEROW Any rowboats
USEIN Any inflatable boats

What did you do on boats on the water during [reference period]?
[IF NECESSARY: “What types of activities did you engage in?”]
UACTCRS CRUISING
UACTRLX RELAXING ALONE OR WITH FRIENDS
UACTSOC SOCIALIZING
UACTFSH FISHING OR CRABBING
UACTHNT HUNTING
UACTPDL WATER PADDLING
UACTRC RACING
UACTROW ROWING
UACTSCUB SCUBA DIVING OR SNORKELING
UACTOBS SIGHTSEEING OR NATURE OBSERVATION
UACTSNBTH SUNBATHING
UACTSWM SWIMMING OR DIVING
UACTTOW WATERSKIING, WAKEBOARDING, OR TUBING
UACTWHTWTR WHITEWATER BOATING
UACTSAIL SAILING
UACTOTH OTHER
UACTDK DON’T KNOW
UACTRF REFUSED
The next questions ask about activities you engaged in on that day. All your responses are anonymous and confidential.

ALCONSUME During [year], did anyone on a boat you were on drink any alcoholic beverages while the boat was on the water?

- 01 YES
- 02 NO
- 97 DON'T KNOW
- 99 REFUSED

IF ALCONSUME=1

ALCOPERATOR During [year], did the operator of a boat you were on ever drink any alcoholic beverages?

[IF NECESSARY: “the operator is the person with primary responsibility for moving the boat”]

[IF NECESSARY: “while the boat was on open water”]

- 01 YES
- 02 NO
- 97 DON'T KNOW
- 99 REFUSED

IF ALCOPERATOR=1

ALCIMPAIR Can you think of any times during [reference period] when you thought the boat operator was impaired due to alcohol consumption?

- 01 YES
- 02 NO
- 97 DON'T KNOW
- 99 REFUSED
RENTALINTRO  The following questions regard time you might have spent on boats you rented. This includes boats rented for fishing trips and canoe or kayak trips, but it does not include commercial trips such as whale watching expeditions.

During [year] was there any day when you spent time on the water in a rented boat?
01  YES
02  NO
97  DON’T KNOW
99  REFUSED

The next questions are about time you spent on boats you rented in [year]

During [reference period], what types of boats did you rent? Did you rent …
RENTPWR  A power boat,
RENTSAIL  A sailboat,
RENTPWC  A personal watercraft such as a jetski,
RENTCN  A canoe,
RENTKY  A kayak, or
RENTOTH  Something else?
RENTDK  DON’T KNOW
RENRFR  REFRENTD

[IF NECESSARY: “A power boat refers to a boat of any size powered by a motor”]

Which of the following types of power boats did you rent? Did you rent…
RENTCM  Any cabin motorboats
RENTJB  Any jet boats
RENTOM  Any open motorboats
RENTPTN  A pontoon boats
RENTHB   Any houseboats
RENTAB   Any airboats
RENTDKN  DON'T KNOW
RENRFD   RENTREF

[IF NECESSARY: “an open motor boat refers to a power boat without a cabin, including boats canopied or fitted with temporary partial shelters.”]

/IF RENTSAIL=01/
/MULTIPUNCH/

Which of the following types of sail boats did you rent?. Did you rent…
RENTAX   Any auxiliary motor sail boat
[IF NECESSARY: “A sailboat with a motor”]
RENTSL   Any sail only boat
RENTDKK  DON'T KNOW
USDDRF   REFRENTD

/IF RENTOTH=01/
/MULTIPUNCH/

Which of the following types of other boats did you rent?. Did you rent…
RENTROW  Any rowboats
RENTIN   Any inflatable boats
RENTDKK  DON'T KNOW
RENTREFU REFRENTD
TRIP EXPOSURE

STATES WHERE BOATED

/SELECT RBTYPE RANDOMLY FROM THE SET OF BOAT TYPES ENDORSED AT
RENTPWR   A POWER BOAT,
RENTSAIL   A SAILBOAT,
RENTPWC    A PERSONAL WATERCRAFT SUCH AS A JETSKI,
RENTCN     A CANOE,
RENTKY     A KAYAK, OR
RENTOTH    SOMETHING ELSE?
/IF RENTALINTRO=1

RENTTRIP. The next questions are about the last day you went out on a rented [RBTYPE]. Can you remember the last day you spent on the water in a [RBTYPE]?

01 YES
02 NO
97   DK
99   REF

/IF RENTTRIP=1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WLOC

On [identifier], which of the United States was the boat in when it went out on the water?

/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01  ALABAMA
02  ALASKA
04  ARIZONA
05  ARKANSAS
06  CALIFORNIA
08  COLORADO
09  CONNECTICUT
10  DELAWARE
11  DISTRICT OF COLUMBIA
12  FLORIDA
13  GEORGIA
15  HAWAII
16  IDAHO
17  ILLINOIS
18  INDIANA
19  IOWA
20 KANSAS
21 KENTUCKY
22 LOUISIANA
23 MAINE
24 MARYLAND
25 MASSACHUSETTS
26 MICHIGAN
27 MINNESOTA
28 MISSISSIPPI
29 MISSOURI
30 MONTANA
31 NEBRASKA
32 NEVADA
33 NEW HAMPSHIRE
34 NEW JERSEY
35 NEW MEXICO
36 NEW YORK
37 NORTH CAROLINA
38 NORTH DAKOTA
39 OHIO
40 OKLAHOMA
41 OREGON
42 PENNSYLVANIA
44 RHODE ISLAND
45 SOUTH CAROLINA
46 SOUTH DAKOTA
47 TENNESSEE
48 TEXAS
49 UTAH
50 VERMONT
51 VIRGINIA
53 WASHINGTON
54 WEST VIRGINIA
55 WISCONSIN
56 WYOMING
96 OTHER (SPECIFY)
97 DON'T KNOW
IF WLOC=96

WLOCo Other location

RECORD LOCATION

DK

REF

/IF WLOC NOT IN (96, 97, 99)/
/IF RESPONDENT NAMED A LOCATION IN THE LIST/

WOThST1

On that day, did the boat go into states other than [WLOC]?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF WOTHST1=01/
/IF THE BOAT WENT TO MORE THAN ONE LOCATION/
/MULTIPUNCH/

WOThST2

Which ones?

/STATE FIPS CODES FOR PROGRAMMING ARE BELOW/

01 ALABAMA
02 ALASKA
04 ARIZONA
05 ARKANSAS
06 CALIFORNIA
08 COLORADO
09 CONNECTICUT
10 DELAWARE
11 DISTRICT OF COLUMBIA
12 FLORIDA
13 GEORGIA
15 HAWAII
16 IDAHO
17 ILLINOIS
18 INDIANA
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<td>19</td>
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<td>MINNESOTA</td>
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<td>28</td>
<td>MISSISSIPPI</td>
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<td>29</td>
<td>MISSOURI</td>
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<td>31</td>
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<td>32</td>
<td>NEVADA</td>
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<td>33</td>
<td>NEW HAMPSHIRE</td>
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<td>34</td>
<td>NEW JERSEY</td>
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<td>35</td>
<td>NEW MEXICO</td>
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<td>NEW YORK</td>
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<td>PENNSYLVANIA</td>
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<td>46</td>
<td>SOUTH DAKOTA</td>
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<td>47</td>
<td>TENNESSEE</td>
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<td>48</td>
<td>TEXAS</td>
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<td>49</td>
<td>UTAH</td>
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<td>50</td>
<td>VERMONT</td>
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<td>51</td>
<td>VIRGINIA</td>
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<tr>
<td>53</td>
<td>WASHINGTON</td>
</tr>
<tr>
<td>54</td>
<td>WEST VIRGINIA</td>
</tr>
<tr>
<td>55</td>
<td>WISCONSIN</td>
</tr>
<tr>
<td>56</td>
<td>WYOMING</td>
</tr>
<tr>
<td>96</td>
<td>OTHER (SPECIFY)</td>
</tr>
</tbody>
</table>
97 DON'T KNOW
99 REFUSED

*IF WOTHST2=96*

OTHST2o Other location
RECORD LOCATION
DK
REF
PEOPLE ON THE BOAT

\[\text{IF RENTTRIP} = 1\]
\[\text{IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT}\]

WPPL

Including you, how many people went on the boat that day?

[IF NECESSARY: “How many people did you have with you most of the time?”]

RECORD NUMBER /RANGE=1-997/

97 DON’T KNOW
99 REFUSED

\[\text{IF WPPL} > 1\]
\[\text{IF THERE WAS MORE THAN ONE PERSON ON THE BOAT; THE RESPONDENT IS NECESSARILY OVER 16}\]

WKIDS How many children under the age of 16 were on the boat?

ENTER RESPONSE /RANGE=0-10/

97 DK
99 REF

BOAT HOURS

\[\text{IF RENTTRIP} = 1\]
\[\text{IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT}\]

OVERNT

On that day, did the boat stay out on the water overnight?

01 YES
02 NO
97 DON’T KNOW
99 REFUSED

\[\text{IF OVERNT} = 01/\]
\[\text{IF THE BOAT STAYED ON THE WATER OVERNIGHT, COLLECT THE SETOUT AND RETURN TIMES, WE’LL CALCULATE HOURS FROM THESE/}\]

LNCHTIME

About what time of day did [identifier] set out?

RECORD TIME

97 DON’T KNOW
99 REFUSED
DOCKDAY
How many days later did the boat dock again?

RECORD NUMBER
97  DON'T KNOW
99  REFUSED

DOCKTIME
About what time did the boat dock again the day it returned?

RECORD TIME
97  DON'T KNOW
99  REFUSED

PREWHRS   I'm going to ask you some questions about the whole trip starting on [identifier] to when the boat docked again on [/DOCKDAY]. Please answer for that whole time

WHRS
On that day, how many hours did the boat spend on the water before it was moored, docked, or taken out of the water again?

RECORD NUMBER 1-24
97  DON'T KNOW
99  REFUSED

TYPES OF WATER

WRTYPE
On that day, did the boat go on any:

01 Brackish water?
[IF NECESSARY: “Brackish water is water where freshwater and saltwater are mixed.”]
02 freshwater?
03 Saltwater?
97 DON’T KNOW
99 REFUSED

/IF RENTTRIP=1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT
MULTIPUNCH
INTERVIEWER CODED

WRBODY
What kinds of bodies of water did it go out on?

01 LAKE
02 BAY
03 RIVER
04 CANAL
05 INTERCOASTAL WATERWAY
06 OCEAN
07 OTHER (SPECIFY)
97 DON’T KNOW
99 REFUSED

/IF WRBODY=07

WRBODYOTH
ENTER OTHER SPECIFY

END TRIP EXPOSURE

BOATING SAFETY AWARENESS AND BEHAVIORS

BOAT OPERATION

/LOAD VARIABLES PRIMOP, OWNSAFE, AND OWNEXP FROM THE BOAT SURVEY/
/IF RENTTRIP=1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

WHOOP Did you personally operate the boat on that day?

01 YES
02 NO
OPSsafe
Have you ever taken a boat safety course?
01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/oif whoop=1/
/oif respondent personally operated the boat/

OPExp
How experienced in the operation of the boat are you? Would you say…
01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced
97 DON'T KNOW
99 REFUSED

/oif whoop=1/
/oif respondent personally operated the boat/

ON
How many people other than yourself operated the boat?
RECORD NUMBER (1-5)
97 DON'T KNOW
99 REFUSED

/oif (onboat1=1 or triprem=1) and wppl>1/
/ask if the respondent was present on the boat and more people than the respondent were present on the boat /

OPAGE1-OPAGEN
How old was the first person other than you who operated the boat?
01 5 or younger,
02 6 to 10
FOR EACH PERSON IN OPN/

OPEXP1-OPEXPN

How experienced in the operation of the [selected] boat was the [identifier] operator? Would you say…

01 Very experienced
02 Somewhat experienced
03 Somewhat inexperienced
04 Very inexperienced

97 DON'T KNOW
99 REFUSED

/IF (ONBOAT1=1 OR TRIPREM=1)
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

ALCOHOL

The next questions ask about activities you engaged in on that day. All your responses are anonymous and confidential

/IF (ONBOAT1=1 OR TRIPREM=1)
/ASK IF THE RESPONDENT WAS PRESENT ON THE BOAT

ALC

On that day, did anyone on the boat drink alcohol before or during the trip on the water

01 YES
02 NO
97 DON'T KNOW
99 REFUSED
ALCop
On that day, did anyone drink alcohol before or during operating the boat?
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

LIFE JACKETS

LFJBT
Were there life jackets on the boat that day?
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

  /IF LFJBT=01/
  /IF THERE WERE LIFE JACKETS ON THE BOAT THAT DAY/
  /RANGE=1-50/

LFJN
  How many?
  ___ RECORD RESPONSE
  97 DON'T KNOW
  99 REFUSED

LFPBT
Were there life preservers or throwable devices on the boat that day?
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED
LFPN

How many?

__ RECORD RESPONSE

97 DON'T KNOW
99 REFUSED

/LFJSLF

Did you wear a lifejacket all the time on that day?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF WKIDS > 1 THEN ASK

How many children were on the boat who were:

WKID5     less than 6 years old
WKID10    6 to 10 years old
WKID15    11 to 15 years old

RECORD NUMBER FOR EACH

/LIF WKID5 > 0 THEN ASK LJ KID5/
/LIF ONE OR MORE CHILDREN ON BOAT UNDER SIX YEARS OLD/

LJKID5

How many of the children who were less than 6 years old wore a lifejacket all the time?

/LIF WKID10 > 0 THEN ASK LJ KID10/
/LIF ONE OR MORE CHILDREN ON BOAT AGED 6 TO 10/

LJKID10

How many of the children who were 6 to 10 years old wore a lifejacket all the time?

/LIF WKID15 > 0 THEN ASK LJ KID15/
/LIF ONE OR MORE CHILDREN ON BOAT AGED 11 TO 15/

LJKID15

How many of the children who were 11 to 15 years old wore a lifejacket all the time?
LFJAD
Not including you, how many of the people aged 16 and over wore lifejackets all the time they were on the boat?

__ RECORD NUMBER
97  DON’T KNOW
99  REFUSED

MODULE: REASONS FOR LIFEJACKET USE

/IF LFJSLF=2 AND RANDUNIFORM<.1 /
ASK OF 10% OF RESPONDENTS WHO DIDN’T WEAR A LIFEJACKET ALL THE TIME

LFJWHYA
Why did you not wear a lifejacket all the time?

RECORD RESPONSE
97  DON’T KNOW
99  REFUSED

/IF LFJC5=2 LFJC10=2 OR LFJC15=2 AND RANDUNIFORM<.1 /
ASK OF 10% OF RESPONDENTS WHO REPORT THAT ANY CHILD DIDN’T WEAR A LIFEJACKET ALL THE TIME.

LFJWHYC
You indicated that someone under 15 didn’t wear a lifejacket all the time. Can you tell me why that was?

RECORD RESPONSE
97  DON’T KNOW
99  REFUSED

END MODULE: REASONS FOR LIFEJACKET USE

OTHER SAFETY EQUIPMENT

/IF CATX NOT IN (4,5) /
/ASK IF BOAT TYPE IS NOT CANOE OR KAYAK/

Which of the following were on the boat on [identifier]? Was there…

SFFA  First aid kit
SFHOOK  Equipment for reaching someone in the water such
SFEXT   Fire extinguisher
SFVDIST Visual distress signals such as flares
SFSDIST Sound signal such as a horn
SFEPİR B  Emergency Position Indicating Radio Beacon-EPIRB

01  YES
02  NO
97  DON'T KNOW
99  REFUSED

USAGE OF SAFETY EQUIPMENT

/IF ANY OF SFFA-SFEPİR B =1
/IF THERE WAS ANY SAFETY EQUIPMENT ON THE BOAT
/SINGLE PUNCH

SFUSE  You indicated that you had a

SHOW ITEMS ENDORSED ABOVE

First aid kit
Equipment for reaching someone in the water
Fire extinguisher,
Visual distress signal
Sound signal
EPIRB.

Did you use any of those on the day for safety purposes we’ve been talking about?

01  YES
02  NO
97  DON'T KNOW
99  REFUSED

/IF SFUSE=01/
/IF YES, THEN ASK/
/MULTIPUNCH

Which ones?
[DO NOT READ]

SFFAUSED  FIRST AID KIT
SFHOOKUSED EQUIPMENT FOR REACHING SOMEONE IN THE WATER
SFEXTUSED  FIRE EXTINGUISHER
SFVDISTUSED VISUAL DISTRESS SIGNALS
SFSDISTUSED SOUND SIGNALS
SFEPIRBUSED EMERGENCY POSITION INDICATING RADIO BEACON-EPIRB

END SAFETY AWARENESS AND BEHAVIORS

NEGATIVE EVENT INCIDENCE AND RISK

NEGATIVE EVENTS

LOAD HASMOT FROM BOAT SURVEY
ASK IF HASMOT=1 OR CATX=2
/ASK IF BOAT HAS A MOTOR OR BOAT TYPE=SAILBOAT/
/MULTIPLE

On that day…

ACCCOLV Did the boat collide with another vessel?
ACCAGD Did the boat run aground?
ACCCOLF Did the boat collide with a fixed or submerged object?
ACCFLD Did the boat capsize, flood, or swamp?
ACCOVBRD Did anyone fall overboard?
ACCSKI Was there a water-skiier accident?
ACCDK DK
ACCREF REF

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

On this trip, how many times …

IF ACCCOLV=01/
/IF THE BOAT COLLIDED WITH ANOTHER VESSEL/

ACCCOLVn Did the boat collide with another vessel?
RECORD RESPONSE/RANGE=1-10/
97 DON'T KNOW
99 REFUSED

/IF ACCAGD=01/
/IF THE BOAT RAN AGROUND/

ACCAGDn Did the boat run aground?
RECORD RESPONSE/RANGE=1-10/
97 DON'T KNOW
ACCCOLF n  Did the boat collide with a fixed or submerged object?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

ACCF LD n  Did the boat capsize, flood, or swamp?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

ACCOVB RDN  Did anyone fall overboard?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

ACCSKI n  Was there a water-skiier accident?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED

On this trip, how many times did you report to the authorities that…

ACCCOLV n  the boat collided with another vessel?
RECORD RESPONSE/RANGE=1-10/
97  DON'T KNOW
99  REFUSED
/IF ACCAGD=01/
/IF THE BOAT RAN AGROUND/

ACCAGD  the boat ran aground?

RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCCOLF=01/
/IF THE BOAT COLLIDED WITH AN OBJECT/

ACCCOLF  the boat collided with a fixed or submerged object?

RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCFLD=01/
/IF THE BOAT CAPSIZED, FLOODED, OR WAS SWAMPED/

ACCFLD  the boat capsized, flooded, or swamped?

RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCOVBRD=01/
/IF SOMEONE FELL OVERBOARD/

ACCOVBRD  someone fell overboard?

RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

/IF ACCSKI=01/
/IF THERE WAS A WATER-SKIIER ACCIDENT/

ACCSKI  there was a water-skiier accident?

RECORD RESPONSE/RANGE=1-10/
  97  DON'T KNOW
  99  REFUSED

_____________________________________________________________

DAMAGE TO PEOPLE AND VESSELS

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI ) =1

Did any of these incidents involve:
IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

ACCDAMAGE Damage to vessels or other property of $2,000 or more, or complete loss of any vessel?
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED

IF ANY OF (ACCCOLV, ACCAGD, ACCCOLF, ACCFLD, ACCOVBRD, ACCSKI) =1

ACCINJURY An injury requiring medical treatment or first aid
  01 YES
  02 NO
  97 DON'T KNOW
  99 REFUSED
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Next, I’d like to talk about all the time you spent away from home that included the day on the water we’ve been talking about. These questions are about the time from when you left your house until you returned home again, which could be just the day or, or it could be several days.

/IF RENTTRIP=1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

TRPDIST How far did you travel by land on this trip to reach the place where the boat was kept or was launched?

RECORD MILES /RANGE 0-9999/
97 DON'T KNOW
99 REFUSED

MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

/IF RENTTRIP=1
/IF THERE IS AN ELIGIBLE TRIP FOR THIS REPORT

STYAWY. Did you stay away from home with your boat for one or more days on this trip?

01 YES
02 NO
97 DON'T KNOW
99 REFUSED

/IF STYAWY=01/
/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/
/MULTIPLE

STYN. How many nights were you away from home on this trip?

RECORD NUMBER 0-996
97 DON'T KNOW
99 REFUSED

/IF STYAWY=01/
/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/

What type of lodging did you use on this trip? Did you stay

STYFF With friends or family
STYBB At a bed and breakfast
STYHTL At a hotel or motel
STYCMP At a campground
STYOBT On board the boat
STYDK    DK
STYREF   REF

/IF STYOBT=01/
/IF RESPONDENT STAYED ON THE BOAT/

STYOBTN How many nights did you stay onboard the boat?
RECORD NUMBER /RANGE=1-50/
97  DON’T KNOW
99  REFUSED

/IF STYAWY=01/
/IF RESPONDENT STAYED WITH BOAT FOR ONE OR MORE DAYS/

TRPDYS How many total days did you take the boat out on the water on this trip?
RECORD NUMBER /RANGE=1-50/
97  DON’T KNOW
99  REFUSED

/IF RENTTRIP=1 AND CATX=2
MULTIPLE
At which types of launch sites or ramps was the boat launched on this trip? Was it launched at
LCHAG     A launch site operated by a state boating or fishing agency.
LCHGVT    A launch site operated by a county or local government
LCHFED    A launch site operated by a federal agency
[IF NECESSARY: “such as the National Park Service, NOAA, U.S. Forest Service, Army Corps of Engineers, Fish and Wildlife Service, Bureau of Reclamation”]
LCHMR     A launch site at a marina or dry stack
LCHPRV    A privately owned/operated launch site
LCHDK     DK
LCHREF    REF

/LOAD HASMOT FROM BOAT SURVEY. /
/IF RENTTRIP=1 AND HASMOT=1/
/IF THERE IS A VALID TRIP AND THERE IS A MOTOR

TRPMOT     Were the boat’s motors or engines operated during this trip?
01  YES
02  NO
97  DON’T KNOW
99  REFUSED
TRPOMOTHR  Approximately how many hours did you operate the motors or engines on this trip?

RECORD NUMBER
97  DON'T KNOW
99  REFUSED

END MODULE: BOAT EXPENDITURE COROLLARY QUESTIONS

TRIP EXPENDITURES

/IF RENTTRIP=1

The next questions concern money you spent on this trip on things other than the boat itself.

/IF TRPDIST>20/

Think about money you spent within 20 miles of your home while preparing for the trip. We'll ask you about money you spent traveling to and near the launch site in a moment.

/IF RENTTRIP=1

How much did you spend for this trip [if TRPDIST>20 then "before you left"] on …

/IF HASMOT=01/
/IF BOAT HAS A MOTOR/

EXPNRFUEL Boat fuel and oil:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

/IF CATX NOT IN (4,5) AND TPXO NE 2
/IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPNRDOCK Temporary dockage or marina fee:

RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

/IF CATX NOT IN (4,5) AND TPXO NE 2
/IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPNRLNCH Pump-out and launch fees:

RECORD NUMBER/RANGE=0-997/
EXPNRMEAL Restaurant meals and drinks:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRGROC Groceries, take-out food and drinks:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF RENTTRIP=1

EXPNRGAS Auto gas and oil:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF RENTTRIP=1

EXPNRSHOP Shopping and souvenirs:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF TRIPDIST<=20/
/IF THE QUESTION INCLUDES TIME AFTER THEY LEFT HOME

EXPNRLODG Lodging expenses (e.g., hotel, camping, and B&B):
The next questions concern money you spent after you left home for the trip. After you left home, how much did you spend on…

/IF HASMOT=01/
/IF BOAT HAS A MOTOR/

EXPFRFUEL Boat fuel and oil:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF CATX NOT IN (4,5) AND TPOX NE 2
/IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPFRDOCK Temporary dockage or marina fee:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF CATX NOT IN (4,5) AND TPOX NE 2
/IF BOAT TYPE NOT IN CANOE, KAYAK, INFLATABLE/

EXPFRLNCH Pump-out and launch fees:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF TRPDIST>20/

EXPFRMEAL Restaurant meals and drinks:
RECORD NUMBER/RANGE=0-997/
97 DON’T KNOW
99 REFUSED

/IF TRPDIST>20/

EXPFRGROC Groceries, take-out food and drinks:
RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

/IF TRPDIST>20/

EXPFRGAS Auto gas and oil:
RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

/IF TRPDIST>20/

EXPFRSHOP Shopping and souvenirs:
RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

/IF TRPDIST>20/

EXPFRREC Recreation and entertainment:
RECORD NUMBER/RANGE=0-997/
97  DON'T KNOW
99  REFUSED

/IF STYAWY=1 AND /IF TRPDIST>20/
AND THEY STAYED AWAY FROM HOME

EXPFRLODG Lodging expenses (e.g., hotel, camping, and B&B):
RECORD NUMBER/RANGE=0-9997/
97  DON'T KNOW
99  REFUSED

END ECONOMIC IMPACT OF RECREATIONAL BOATING