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[Supporting_Statement_Part_A.pdf](#)
[Supporting_Statement_Part_B.pdf](#)

Hello All,

OMB has approved "Visitor Surveys for Cape Hatteras National Seashore" without requesting any changes. The following information should be made available to all visitors who request it:

OMB #1024-0258 (NPS 10-001)
Expiration date: February 28, 2013

I am attaching the supporting statement and survey instruments approved by OMB. Please remember to send copies of your final reports to the NPS Social Science Division for archiving in the Social Science Studies Collection.

Thanks.

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**Supporting Statement for a Continuing Collection RE: Visitor Survey for
Cape Hatteras National Seashore
OMB Control Number 1024-0258**

A. Justification

1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection. Attach a copy of the appropriate section of each statute and regulation mandating or authorizing the collection of information.

The National Park Service (NPS) is requesting renewal of an existing information collection that received emergency clearance on May 21, 2009. RTI International, under contract with Cape Hatteras National Seashore (CAHA), has completed a survey of local businesses under the emergency approval and began conducting a visitor survey at CAHA. The current request for a renewal is to continue the visitor survey. The survey gathers information that will be used in the planning and rulemaking processes for CAHA's Off-Road Vehicle (ORV) Management Plan/Environmental Impact Statement (EIS) and ORV regulation. The continuation of the visitor survey with the current renewal request will allow the NPS to have a seasonally representative sample of CAHA visitors. By having seasonal representation, the NPS will be better able to have a complete picture of visitors and visitor preferences for park management and for the final economic analysis.

The NPS is under a court order (**ATTACHMENT A**) to complete the planning process for managing ORVs by December 30, 2010 and to complete the promulgation of a final rule by April 1, 2011. The visitor survey contains questions asking respondents to evaluate the potential effects of the revised alternatives. Federal statutes, including Executive Order (E.O.) 12866—as amended by E.O. 13258 of February 26, 2002 and E.O. 13422 of January 18, 2007—require that NPS conduct a benefit-cost analysis of the proposed regulation and an analysis of the impact of the regulation on small businesses under the Regulatory Flexibility Act (RFA) of 1980 (**see ATTACHMENTS B, C, D, and E**). The EIS must also include a description of the impact of the alternatives on the socioeconomic environment of the park, including recreational visitation. The visitor survey collects information on baseline visitor and trip characteristics and potential behavioral changes by visitors in response to the alternative proposals.

2. Indicate how, by whom, and for what purpose the information is to be used. Except for a new collection, indicate the actual use the agency has made of the information received from the current collection. [Be specific. If this collection is a form or a questionnaire, every question needs to be justified.]

This is to continue an on-going collection. The collection was originally approved under an emergency clearance, and this request is to continue that collection beyond the period approved as part of the emergency clearance. Data from the collection will be used by the NPS to develop the socioeconomic analysis for the EIS, the rulemaking benefit-cost analysis, and the Regulatory Flexibility Act analysis for small businesses. The EIS and the benefit-cost analysis require a general description of the socioeconomic environment and the visitor population. After the general description, data are needed to analyze the economic impacts of the action alternatives relative to the no-action alternative. Economic impacts include changes in producer surplus and consumer surplus. Estimating changes in producer surplus

require assumptions about the impact that the action alternatives will have on revenue and business activity. Estimating changes in consumer surplus requires assumptions about behavioral changes on the part of visitors in response to the management alternatives.

In the EIS, the NPS will analyze the impacts of the proposed action alternatives relative to the no-action baseline, using a set of scenarios for each alternative to reflect the uncertainty of future impacts. The information from the visitor survey is one source of data for developing the scenarios.

Visitors will be intercepted on the ocean beaches at CAHA and a short survey will be administered. The survey contains appropriately worded questions for out-of-town visitors and for local residents of the Outer Banks and Manteo, NC. Justification for the specific questions is as follows:

- INTRODUCTION: These questions will be used in a non-response bias analysis.
- SECTION A. DETERMINE APPROPRIATE SURVEY: Zip code is used to identify local residents vs. out-of-town visitors. This section of the questionnaire also determines which out-of-town visitors are day users and which are staying overnight. Questions differ slightly depending on the group interviewed. For example, overnight visitors are asked question about how many nights they are staying, which village they are staying in, and which type of lodging they are using.
- SECTION B. SURVEY OF OUT-OF-TOWN VISITORS ON OVERNIGHT TRIPS/ OUT-OF-TOWN VISITORS ON DAY TRIPS: Questions B03 – B07 distinguish frequent visitors from first-time or infrequent visitors and characterize the geographic diversity of visitors. This information will improve understanding of variability in responses to the action alternatives. Questions B08 – B14 describe possible management approaches to ORV and pedestrian use in CAHA and ask the visitor about their likely behavioral response. These questions will be used to inform development of the EIS scenarios describing the possible range of reactions to the different action alternatives. Two versions on these questions will be used, and each respondent will be randomly assigned to one version. Version A consists of Questions B09 – B12. Version B consists of Questions B13 – B14. The two versions are designed to capture the features of different action alternatives. Each respondent will only answer one of the versions in order to keep the survey short. Questions B15 - B22 describe visitors' current trips. Questions B24 and B25 measure uses of other beaches in the U.S. These questions help characterize the socioeconomic environment at CAHA. The questions about trip characteristics and use of other beaches will be analyzed in conjunction with the responses to the behavioral-response items to examine differences in responses by trip characteristics. Because out-of-town visitors spend the most money in the local economy, changes in their visitation patterns will have a larger impact. Question B23 asks the respondents' willingness to buy a 12-month permit to drive on the beaches at CAHA for one of three prices (\$10, \$25, and \$100). Revenue from sales would be used to manage beach driving. The prices will be randomly assigned so that a visitor responds to only one price. The permit is being considered by the park as part of the action alternatives. Question B26 is a measure of

general satisfaction with the current trip that is routinely included in visitor surveys and also measures the current socioeconomic environment at the park.

- [SECTION C IS SKIPPED IN THE SURVEY SCRIPT]
- SECTION D. LOCAL RESIDENTS OF THE OUTER BANKS AND MANTEO ON DAY TRIPS: Questions D01 – D08 distinguish frequent from infrequent visitors among local residents. This information will improve understanding of variability in response to the action alternatives among people who live on the Outer Banks. As in the survey of out-of-town visitors, questions D9 – D12 describe possible management approaches to ORV and pedestrian use in CAHA and ask local residents about their likely behavioral responses to these alternatives. These questions will be used to inform development of the EIS scenarios describing the possible range of reactions to the different action alternatives. Questions D13 – D16a describe local residents' current visit to the beaches, as well as their use of the Seashore over the previous two years. These questions also help understand variability in responses to the action alternatives. Question D16b is identical to the item in the out-of-town visitor survey that asks respondents' willingness to buy a 12-month permit to drive on the beaches at CAHA for one of three prices (\$10, \$25, and \$100). The prices will be randomly assigned so that a visitor responds to only one price. The permit is being considered by the park as part of the action alternatives and the revenue will be used to manage driving on the beaches. Questions D17 – D18 measure uses of other beaches in North Carolina and the U.S. Along with the earlier questions about current and recent use of the Seashore, these will be analyzed in conjunction with the responses to the behavioral-response questions to help understand differences in local residents' responses. Questions D19 – D22 ask about residents' ownership of, or employment in, businesses on the Outer Banks. Answers to these questions help to characterize the socioeconomic environment of the Outer Banks and will assist in understanding variability in responses to the action alternatives. Finally, Question D23 in the local resident survey is a measure of general satisfaction with the current trip that is routinely included in visitor surveys of this type.

3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submission of responses, and the basis for the decision for adopting this means of collection. Also describe any consideration of using information technology to reduce burden.

This information will be collected via on-site surveys for the visitor survey. No automated data collection will take place, although the visitor survey will use electronic hand-held devices for data input in the field. These devices allow automatic branching between questions and versions of the survey to reduce interviewer error during survey administration.

4. Describe efforts to identify duplication. Show specifically why any similar information already available cannot be used or modified for use for the purposes described in Item 2 above.

The questions in the visitor survey address specific knowledge gaps related to current use of the park by visitors and the impact of ORV management plans on visitation plans. We know

of two visitor surveys conducted at CAHA on the topic of ORV use. Vogelsong (2003)—sponsored by NPS—interviewed visitors at several locations in the park and asked general questions about current trips and some specific questions about ORV use. The survey was limited to a few locations in the National Seashore. Neal (2005) surveyed visitors staying at selected lodging facilities, as well as local residents who used the beach for recreation. This survey also contained questions about current trips and specific questions about ORV use. The Neal sample was largely a convenience sample. In May 2008, the NPS completed an external peer review of these two studies by a panel of five university experts. The panel concluded that the data from the surveys did not provide a sound scientific basis for evaluating the socioeconomic impacts of the action alternatives being considered in the draft EIS.

5. If the collection of information impacts small businesses or other small entities, describe any methods used to minimize burden.

The visitor survey does not involve any small entities.

6. Describe the consequence to Federal program or policy activities if the collection is not conducted or is conducted less frequently, as well as any technical or legal obstacles to reducing burden.

Should these data not be collected, NPS evaluations of ORV management policies on visitors and businesses would be made without input from a representative year-round sample of visitors. This could result in a less accurate analysis of the impact of ORV management alternatives in the EIS and for the rulemaking. The analysis will be conducted for low-, medium-, and high-impact scenarios for each action alternative. Without data from the visitor surveys, the ranges considered for these scenarios will be based on assumptions and available secondary data, rather than on responses from a representative sample of visitors.

Because the draft EIS must be completed before the visitor survey is finished, the data from the survey will be compared to the assumptions made in the draft EIS. If the survey data are different, NPS will issue a supplementary EIS with new analysis based on the survey data.

The sampling schedule and target sample size efficiently collect the data needed for providing the range of experiences from the interviews and for providing a robust estimation of survey data. Restricting the proposed sample size and schedule would risk compromising the significance and reliability of the information collected.

7. Explain any special circumstances that would cause an information collection to be conducted in a manner:
- * requiring respondents to report information to the agency more often than quarterly;
 - * requiring respondents to prepare a written response to a collection of information in fewer than 30 days after receipt of it;
 - * requiring respondents to submit more than an original and two copies of any document;
 - * requiring respondents to retain records, other than health, medical, government contract, grant-in-aid, or tax records, for more than three years;
 - * in connection with a statistical survey, that is not designed to produce valid and reliable results that can be generalized to the universe of study;
 - * requiring the use of a statistical data classification that has not been reviewed and approved by OMB;
 - * that includes a pledge of confidentiality that is not supported by authority established in statute or regulation, that is not supported by disclosure and data security policies that are consistent with the pledge, or which unnecessarily impedes sharing of data with other agencies for compatible confidential use; or

- * requiring respondents to submit proprietary trade secrets, or other confidential information unless the agency can demonstrate that it has instituted procedures to protect the information's confidentiality to the extent permitted by law.

These circumstances are not applicable to this collection of data. These surveys consist of one-time interviews, so frequency of reporting, preparation or submission of documents, and retaining of records do not apply.

8. If applicable, provide a copy and identify the date and page number of publication in the Federal Register of the agency's notice, required by 5 CFR 1320.8(d), soliciting comments on the information collection prior to submission to OMB. Summarize public comments received in response to that notice [and in response to the PRA statement associated with the collection over the past three years] and describe actions taken by the agency in response to these comments. Specifically address comments received on cost and hour burden.

Describe efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.

Consultation with representatives of those from whom information is to be obtained or those who must compile records should occur at least once every 3 years — even if the collection of information activity is the same as in prior periods. There may be circumstances that may preclude consultation in a specific situation. These circumstances should be explained.

A copy of the Federal Register Notice, published on June 17, 2009, on page 28719. In response to the Federal Register Notice, NPS received a number of comments. The comments and NPS response are summarized below.

- (1) Comments supporting or opposing the closure of beaches to beach driving. NPS received a number of comments either supporting or opposing closing the beaches in CAHA to driving. These comments relate to possible management actions NPS might take, but do not relate to the need for the information collection or the burden of the collection.
- (2) Comments on the wording of the questions. NPS received comments on the wording of specific questions. One comment suggested revisions to the description of the nesting shorebirds and turtles. The original question used the word “endangered;” however this word has a specific legal meaning. The wording was changed to “protected.”
- (3) Comment on additional questions. NPS received a number of comments suggesting additional questions. In response, we added a question on local resident visitation to the park during 2007. We also added a question about the primary purpose of the trip.

NPS consulted with a variety of persons outside the agency to prepare the survey. Most of the consultation occurred with members of the Federal Regulatory Negotiating Committee authorized to provide NPS and CAHA with input on the ORV management issue. The committee consisted of a wide variety of stakeholders, including businesses that will be directly affected by the proposal, individuals who live outside the community but own property near CAHA, as well as other stakeholders. The committee formed a subcommittee on the economic analysis of the proposed alternatives. This subcommittee received more detailed information on the survey plans and provided feedback to the NPS and to RTI.

The survey instrument is based on similar surveys conducted by the contractor at other National Park System units. While the issues are somewhat different, the previous experience

interviewing visitors provides guidance on the wording of the questions, respondents’ ability to answer such questions during on-site interviews, and the likely length of the interviews. In addition to the outside consultation described above, survey researchers at RTI who have conducted beach-intercept surveys (Dr. F. Reed Johnson) and recreation surveys (Dr. Christine Poulos and Dr. Carol Mansfield) provided input on the question wording. The sampling plan benefited from feedback provided by RTI sampling statisticians and survey administrators.

- 9. Explain any decision to provide any payment or gift to respondents, other than remuneration of contractors or grantees.

No payment or gifts will be provided to respondents.

- 10. Describe any assurance of confidentiality provided to respondents and the basis for the assurance in statute, regulation, or agency policy.

Confidentiality will not be pledged. Names and addresses of visitors will not be collected in association with this research. Thus, anonymity will be ensured.

- 11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private. This justification should include the reasons why the agency considers the questions necessary, the specific uses to be made of the information, the explanation to be given to persons from whom the information is requested, and any steps to be taken to obtain their consent.

No questions of a sensitive nature will be asked. In addition, respondents are advised that their answers are voluntary.

- 12. Provide estimates of the hour burden of the collection of information. The statement should:

- * Indicate the number of respondents, frequency of response, annual hour burden, and an explanation of how the burden was estimated. Unless directed to do so, agencies should not conduct special surveys to obtain information on which to base hour burden estimates. Consultation with a sample (fewer than 10) of potential respondents is desirable. If the hour burden on respondents is expected to vary widely because of differences in activity, size, or complexity, show the range of estimated hour burden, and explain the reasons for the variance. Generally, estimates should not include burden hours for customary and usual business practices.
- * If this request for approval covers more than one form, provide separate hour burden estimates for each form and aggregate the hour burdens.
- * Provide estimates of annualized cost to respondents for the hour burdens for collections of information, identifying and using appropriate wage rate categories. The cost of contracting out or paying outside parties for information collection activities should not be included here. Instead, this cost should be included in Item 14.

Table A2. Projected Number of Respondents, Completion Times, and Burden Hours for CAHA Visitor Surveys.

	# of Respondents	Frequency of Response	Completion Time	Burden Hours
Completed surveys	1,200	1	20 min	400
Estimated refusals	800	1	2 min	27
TOTAL	2,000			427

The visitor survey takes about 20 minutes to complete with the revisions. Experience with the survey gained during the emergency clearance period shows that the survey is taking longer than originally expected, in part because respondents are interested in the topic and have been providing more detail and additional information in their responses.

Approximately 2,000 visitors will be approached and asked to participate in the survey. A 2002 visitor survey at CAHA achieved a response rate of 74%, but this was a very short on-site interview, followed by a mailback survey and was conducted only during the summer season. For this study, we assumed a 60% response rate, meaning that approximately 800 visitors will refuse to participate. The refusals will result in approximately 2 minutes of burden each, for a total of 27 hours. We expect that 1,200 visitors will respond to the survey, for a total of 400 hours of burden, assuming a 20-minute interview. Using the Bureau of Labor Statistics national wage information, the most recent published report (March 2009) lists an average hourly wage of \$29.18 (<http://www.bls.gov/news.release/pdf/ecec.pdf>). Within this hourly figure, \$20.37 is accounted for in hourly wages and salaries and \$8.81 for benefits. Thus, the estimated annualized cost to respondents for the hour burden is \$8697.99.

- 13.** Provide an estimate of the total annual [non-hour] cost burden to respondents or record keepers resulting from the collection of information. (Do not include the cost of any hour burden shown in Items 12 and 14).
- * The cost estimate should be split into two components: (a) a total capital and start-up cost component (annualized over its expected useful life) and (b) a total operation and maintenance and purchase of services component. The estimates should take into account costs associated with generating, maintaining, and disclosing or providing the information [including filing fees paid]. Include descriptions of methods used to estimate major cost factors including system and technology acquisition, expected useful life of capital equipment, the discount rate(s), and the time period over which costs will be incurred. Capital and start-up costs include, among other items, preparations for collecting information such as purchasing computers and software; monitoring, sampling, drilling and testing equipment; and record storage facilities.
 - * If cost estimates are expected to vary widely, agencies should present ranges of cost burdens and explain the reasons for the variance. The cost of purchasing or contracting out information collection services should be a part of this cost burden estimate. In developing cost burden estimates, agencies may consult with a sample of respondents (fewer than 10), utilize the 60-day pre-OMB submission public comment process and use existing economic or regulatory impact analysis associated with the rulemaking containing the information collection, as appropriate.
 - * Generally, estimates should not include purchases of equipment or services, or portions thereof, made: (1) prior to October 1, 1995, (2) to achieve regulatory compliance with requirements not associated with the information collection, (3) for reasons other than to provide information or keep records for the government, or (4) as part of customary and usual business or private practices.

The cost burden on respondents and record-keepers, other than hour burden, is zero.

- 14.** Provide estimates of annualized cost to the Federal government. Also, provide a description of the method used to estimate cost, which should include quantification of hours, operational expenses (such as equipment, overhead, printing, and support staff), and any other expense that would not have been incurred without this collection of information. Agencies also may aggregate cost estimates from Items 12, 13, and 14 in a single table.

The estimated annualized cost to the Federal government is \$101,683 (Table A3).

Table A3. Annualized Cost to the Federal Government

Expense category	Cost
Labor plus overhead	\$83,221
Travel + incidentals	\$15,837
Equipment	\$2,625
TOTAL	\$101,683

15. Explain the reasons for any program changes or adjustments.

Minor adjustments to the survey instrument used during the emergency clearance period (summer and fall 2009) were made in response to public comments generated by the Federal Register notice published on June 17, 2009 and results of a pilot test conducted in mid-August. Adjustments in fielding procedures also were made based on result of the pilot test.

16. For collections of information whose results will be published, outline plans for tabulation and publication. Address any complex analytical techniques that will be used. Provide the time schedule for the entire project, including beginning and ending dates of the collection of information, completion of report, publication dates, and other actions.

The visitor survey received emergency OMB approval in May 2009. A pilot test was conducted in August and survey administration began in mid-August. Because a year-round visitor sample is needed for the final EIS and rule-making, a 60-day *Federal Register* notice was published on June 17, 2009 to initiate a regular ICR. This will allow the visitor surveys to continue after the expiration of the emergency clearance.

Table A4. Visitor Survey Schedule.

	May-July 2009	Aug – Nov 30, 2009	Jan 2009 – July 2010	July-Aug 2010
Emergency clearance and publication of 60-day FR notice for regular clearance	x			
Construct sample	x			
Conduct interviews under emergency clearance		x		
Continue interviews under regular clearance			x	
Data analysis				x
Prepare text for Supplemental EIS if needed based on results				x
Prepare text for final EIS and final rulemaking if needed based on results				x

17. If seeking approval to not display the expiration date for OMB approval of the information collection, explain the reasons that display would be inappropriate.

We are not seeking such approval.

18. Explain each exception to the certification statement.

There are no exceptions to the certification statement.

Attachments: Supporting Materials

- A. Consent Decree of April 30, 2008
- B. Executive Order 12866
- C. Executive Order 13258
- D. Executive Order 13422
- E. Regulatory Flexibility Act of 1980 (excerpts)

**Supporting Statement for Continuing Collection RE: Visitor Survey for Cape
Hatteras National Seashore
OMB Control Number 1024-0258**

B. Collections of Information Employing Statistical Methods

The agency should be prepared to justify its decision not to use statistical methods in any case where such methods might reduce burden or improve accuracy of results.

1. Describe (including a numerical estimate) the potential respondent universe and any sampling or other respondent selection method to be used. Data on the number of entities (e.g., establishments, State and local government units, households, or persons) in the universe covered by the collection and in the corresponding sample are to be provided in tabular form for the universe as a whole and for each of the strata in the proposed sample. Indicate expected response rates for the collection as a whole. If the collection had been conducted previously, include the actual response rate achieved during the last collection.

The potential respondent universe for the visitor interviews includes all visitors 18 years of age or older using the ocean-side beaches at Cape Hatteras National Seashore (CAHA) from August 2009 through November 2009 (under the emergency clearance) and between December 2009 and July 2010 (under a regular PRA clearance). This includes visitors who use the ocean-side beaches between 6:00 a.m. and 6:00 p.m. Visitor groups will be intercepted based on a sampling plan (described in section B.2) stratified by season, location in the park, day of the week, and time of the day.

Table B1 presents the approximate visitation based on National Park Service (NPS) public use statistics for November 2007 to October 2008. It's assumed that the visitation patterns observed between November 2007 and October 2008 are representative of the visiting behavior expected for the study period. We expect that the large majority of visitors will be on the beach at some point between 6:00 a.m. and 8:00 p.m. For the visitor survey, we expect a response rate of 60%, based on a 74% response rate to a 2002 visitor survey at CAHA that involved a shorter on-site contact, followed by a mailback survey.

Table B1. Potential Universe for the Visitor Survey.

Sampling months	Estimated Size of Respondent Universe	Sample Size	Expected Response Rate	Estimated Responses
ALL	2,112,126	2,000	60%	1,200

2. Describe the procedures for the collection of information including:
 - * Statistical methodology for stratification and sample selection,
 - * Estimation procedure,
 - * Degree of accuracy needed for the purpose described in the justification,
 - * Unusual problems requiring specialized sampling procedures, and
 - * Any use of periodic (less frequent than annual) data collection cycles to reduce burden.

Visitors will be sampled on the ocean-side beaches. The sampling plan will be stratified by season, day of week, time of day, and type and location of beach. Scheduled sampling days will be based on data supplied by nine housing rental companies on Hatteras Island for occupancy rates by week for 2007 and counts of visitors on beach sections collected as part

of an on-going effort by RTI International to document baseline vehicle use and the number of visitors on different sections of the beach. The occupancy rates and counting data will be used to estimate the proportion of visitors (including pedestrians) on the beach each week of the year, and selected weeks will be sampled proportionately based on the occupancy data.

Weekends will be sampled at twice the rate of weekdays because information from park staff and from counts of vehicles using the beach indicate that there are about twice as many visitors on the weekend as on weekdays. Sampling days will be divided into three four-hour time periods: from 6 a.m. to 10 a.m., from 10 a.m. to 2 p.m., and from 2 p.m. to 6 p.m. Two four-hour periods will be randomly selected for each day on which the survey is conducted. The beaches will be divided into sections varying in length from 1/16th mile to 1/2 mile (most of the sections will be 1/8th mile), based on the expected number of groups on different sections of the beach. GPS coordinates will be available for each segment. The beach segments will be clustered according to location. One cluster of beach segments will be selected for each four-hour interview time period to allow for easy driving or walking between segments. Interviews will be conducted at three beach segments during each four-hour time period. The start time for surveying on each beach segment will be randomized across the four hours.

The visitor survey will be conducted by a team of two interviewers using handheld devices to administer in-person computer-assisted questionnaires. The process is as follows:

- Use GPS receivers to identify the beginning of the section of beach.
- Interviewer 1: Start by walking along the dune line and counting the number of groups of people on the beach and in the water until the end of the segment is reached.
- Based on a pilot test in August 2009, we calculated the number of surveys per hour the interviewers are likely to be able to complete. After counting the groups, the number of groups is entered into a formula in the handheld computer survey device.
- If the number of groups is less than or equal to the number of interviews that are expected to be completed every hour, then every group in the segment will be interviewed.
 - i. Interviewer 2: start interviewing at the beginning of the segment
 - ii. Interviewer 1: after counting, start interviewing from the end of the segment
- If there are more groups than can be interviewed in the allotted time, then the formula will tell the interviewers to interview every Nth group and randomly select a group between 1 and N to start with. The interviewers will walk in a serpentine pattern, starting at the dune and moving toward the water interviewing every Nth group. When the interviewers reach the water, they will return to the starting point and repeat the selection process until the time limit is reached.
- To interview:
 - i. Approach a group;
 - ii. Ask who is in the “group,” including members who might be in the water;
 - iii. Ask to interview the member of the group 18 years of age or older who has the next birthday;
 - iv. Conduct the interview

- For safety reasons, do not interview individuals in moving vehicles, but do interview groups sitting near parked vehicles

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Estimates will be produced using a design-based approach that incorporates the sampling weights to estimate the population parameters. If non-response is an issue, then appropriate methods, such as weighting-class adjustments, will be used to reduce the potential bias induced by the non-response.

Approximately 25% of the 1/8-mile beach segments will be surveyed (about 60 miles of beach and 30 days of interviewing in four segments each day). We will be sampling the segments with replacement.

The design effect was calculated assuming that six beach segments will be selected at random for each sampling day using a stratified sampling design. It also was assumed that one adult member of every group of beach users in the segment at the time of the survey will be selected at random. This results in a “census of groups of beach users” in the selected beach segment.

The proposed 30 days of interviewing will yield 180 (30 x 6) beach segments (which result in clusters of beach users). The 180 beach segments will be allocated proportionately to the number of segments in the two strata (Stratum 1 = Hatteras and Bodie with 49 beach segments, and Stratum 2 = Ocracoke with 18 beach segments). After combining all this information, the proposed stratified random sample of 180 beach segments and census of groups within selected beach segments results in a design effect of 1.01

Note that a sample of size n drawn using simple random sampling from a population will usually be more efficient (i.e., have smaller sampling errors) than a sample of the same size drawn by means of a sample of pre-existing clusters in the population. Stratification tends to reduce the sampling errors of the estimator; therefore, it tends to increase the efficiency of the sampling design.

The total number of samples is constrained not only by the available budget, but by consideration of the precision that can be expected. Approximate precision estimates may be obtained, assuming the survey design is simple random sampling. Under this assumption, the confidence interval half-width (precision) can be estimated using the following equation:

$$\text{Half - width} = Z_{1-\alpha} * \sqrt{\text{estimator variance}}$$

where $Z_{1-\alpha}$ is related to the level of confidence required for the estimate (Cochran, 1987). Given that our proposed survey design considers stratification to account for the different types of beaches, the actual precision estimates are expected to be better (smaller confidence intervals) than those obtained with the equation above.

The visitor survey has two objectives: 1) to estimate the percent of the population that will change visit behavior under a proposed alternative, and 2) to estimate the mean number of days in a trip under a proposed alternative. (Trip length has relevant economic consequences.)

For the first objective, if the true proportion of the population estimated to change its behavior under a proposed alternative is 40%, then to produce estimates within 10% of this true value (95% confidence level, 80% power), we need about 377 participants (Table B2).

Table B2. Sample Sizes Required to Estimate True Proportions at Specific Power Levels and Confidence Intervals.

True Proportion	Precision (Half-width)															
	0.05	0.06	0.07	0.08	0.09	0.1	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.2
0.10	566	393	289	221	175	142	117	99	84	73	63	56	49	44	40	36
0.15	801	556	409	313	248	201	166	139	119	103	89	79	70	62	56	51
0.20	1005	698	513	393	311	252	208	175	149	129	112	99	87	78	70	63
0.25	1178	818	601	460	364	295	244	205	175	151	131	115	102	91	82	74
0.30	1319	916	673	516	407	330	273	229	196	169	147	129	115	102	92	83
0.35	1429	993	729	559	441	358	296	249	212	183	159	140	124	111	99	90
0.40	1507	1047	769	589	466	377	312	262	223	193	168	148	131	117	105	95
0.45	1555	1080	793	608	480	389	322	270	230	199	173	152	135	120	108	98
0.50	1570	1091	801	614	485	393	325	273	233	201	175	154	136	122	109	99

From Cochran W.G. 1987. *Sampling Techniques*. New York. John Wiley & Sons

For the second objective—to estimate the mean number of days in a trip under a proposed alternative—we can use an estimate based on the coefficient of variation (CV), which is the standard deviation divided by the mean, i.e., the standard deviation as a percent of the mean. The smaller the standard deviation as a percent of the mean, the lower the CV. If we expect high variability in responses (i.e., the range in number of days varies substantially in the population), then we should be considering population CVs in the range of 75% to 125%. This results in samples that vary in size from 9 to 1539, depending on the desired precision (Table B3).

At CAHA, the final sample size should be the larger of the two sample sizes that satisfies both the first and second objectives of the visitor survey. This means the sample size for the visitor survey should be closer to 1,539 than to 377.

Table B3. Sample Sizes Required to Estimate a Parameter at Desired Precision Levels and Coefficients of Variation.

Population CV	Percent Relative Error of the Estimated Mean					
	5%	10%	15%	25%	50%	75%
25%	98	26	13	6	3	3
50%	387	98	45	18	6	4
75%	867	219	98	37	11	6
100%	1539	387	173	64	18	9
125%	2403	603	269	98	26	13
150%	3460	867	387	141	37	18

Confidence level =

0.95

3. Describe methods to maximize response rates and to deal with issues of non-response. The accuracy and reliability of information collected must be shown to be adequate for intended uses. For collections based on sampling, a special justification must be provided for any collection that will not yield "reliable" data that can be generalized to the universe studied.

Data from the survey will be used to inform the economic analysis of the ORV management alternatives. The analysis will focus on the economic impacts of the alternatives relative to the baseline conditions under the two no-action alternatives (years 2007 and 2008). In order to analyze the new alternatives, we must select parameters to quantify changes in factors that affect visitors (such as ORV restrictions). Because of the uncertainty inherent in forecasting future activity, the economic analysis will estimate scenarios covering a range of possible impacts.

The data from the visitor survey is one source of information that will be used to establish the range of possible values for different parameters. Other sources include publicly available secondary data on visitation and economic conditions. The visitor survey and other data sources will be combined to create reasonable ranges for the parameters in the economic model. We plan to use several sources of information, because no single source provides all the data we need, and each source has positive and negative features. To reduce the concern over the possibility that visitors will answer the survey strategically to influence the outcome of the economic analysis, the questions in the survey and comparisons with other data sources will be used to identify strategic responses.

To maximize response rates to the visitor survey, the instrument was based on input from a number of parties with survey research experience and members of the public and park staff familiar with CAHA visitors. This input also was used to make sure the questions could be understood, the minimum numbers of questions were asked, and the questions collected the data needed for the analysis. The interviewers will be carefully trained in how to sample and make contact with visitors and how to convert initial refusals into completed interviews. Non-response rates will be monitored throughout the year of data collection to identify and correct problems.

We will take several steps to identify non-response bias and correct for bias in our analysis. The interviewer will attempt to ask refusers their Zip code or country of residence and also ask (or observe) if the visitor has ever driven a vehicle on the beaches at CAHA. In addition, any easily observable traits of the visitors (such as group size and presence of children), as well as time of day, day of week, and location of interview will be recorded on a log for each contact for a later comparison of respondents with non-respondents. This information, along with a code for the interviewer, will be analyzed using a probit or logit model to identify systematic patterns in non-response. In any regression analysis, a two-step selection model (such as a Heckman selection model or propensity model) will be used to help correct regression results for selection bias.

4. Describe any tests of procedures or methods to be undertaken. Testing is encouraged as an effective means of refining collections of information to minimize burden and improve utility. Tests must be approved if they call for answers to identical questions from 10 or more respondents. A proposed test or set of tests may be submitted for approval separately or in combination with the main collection of information.

The survey instrument was developed with input from contractor staff, including economists, survey research experts, and statisticians. National Park Service staff, including staff from the Social Science Division, and members of the Regulatory Negotiating committee for CAHA, also were consulted about the survey and survey administration. A scoping trip to CAHA took place in October 2008 to identify beaches and beach uses. This information was used to assess the feasibility of different sampling methods. A pre-test took place in December and January involving 9 visitors to evaluate and improve the procedures and the survey instrument. Finally, a pilot test was undertaken in August 2009 under the emergency clearance to test the final procedures and instrument.

5. Provide the name and telephone number of individuals consulted on statistical aspects of the design and the name of the agency unit, contractor(s), grantee(s), or other person(s) who will actually collect and/or analyze the information for the agency.

RTI International, a contractor to NPS, designed the survey and will collect and analyze the data. The project manager is Dr. Carol Mansfield (919-541-8053). Other RTI staff participating in the survey design and data collection are Dr. Brenda Muñoz, Mr. Brian Evans, and Dr. Christine Poulos.

0025516

Cape Hatteras Study
Visitor Intercept Survey
August 6, 2009
Version 4.7

Specification Key

Each question description is stored in a single table cell. The question name is located in the top left corner, just below the horizontal bar, and the next question to be asked is located in the bottom right hand corner of the cell.

The question text is located directly under the question name. If the question contains coded responses (list type), then the responses are located below the question text.

Some notations or directives are located within the question description.

Instructions to the interviewer are enclosed in square brackets "[" and "]". Text within these brackets should not be read aloud and is always capitalized.

Programming instructions are enclosed with angle brackets "<" and ">". These are instructions used for programming the instrument. They include skip patterns, ranges, field lengths, field types, and other instructions.

Question text can include fills. Fills are variables that are set earlier in the questionnaire and used to complete later questions. Fills are enclosed with "{" and "}".

Q01 - Example question cell.

The plan does not affect the area where we are currently standing – it would still be open to <IF {B08PEDETRIALONLY} = "1" THEN “just pedestrians”, ELSE “pedestrians and vehicles”> . But it would potentially affect these areas [POINT TO AFFECTED AREAS – WILL VARY OVER SEASON]. If the plan on this map had been in place before you made any plans or reservations for this trip and before you put down any money on deposits, how likely would you still have taken this trip? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- | | | |
|----|--|-------------------------------|
| 1 | <input type="checkbox"/> VERY LIKELY | |
| 2 | <input type="checkbox"/> SOMEWHAT LIKELY | |
| 3 | <input type="checkbox"/> SOMEWHAT UNLIKELY | <IF Q01= 3 THEN SKIP TO Q01b> |
| 4 | <input type="checkbox"/> VERY UNLIKELY | <IF Q01= 4 THEN SKIP TO Q01b> |
| -9 | <input type="checkbox"/> DON'T KNOW | <IF Q01= 5 THEN SKIP TO Q01c> |
| -7 | <input type="checkbox"/> REFUSE | <IF Q01= 5 THEN SKIP TO Q01c> |

Q02

Status Codes

Each interview must have a final status code (record of call(ROC)). Final codes start with a "2". Records with a final status code cannot be reopened.

102 – pending breakoff (this is an interim code, interview may be reopened)

200 – completed interview

201 – completed refusal questions

202 – break-off: not complete (this would be if they were doing an interview, it starting raining, and they never got back with the person, for example)

203 – break-off: refused (this would be if the person decided they didn't want to do anymore)

204 – Other (interviewer should clarify in the ROC notes.)

PreSurvey Questions	
<p><PROGRAMMING NOTES: USE PARM3 AND PARM4 FOR COSTFILL AND RANDVERSION. THEY WILL COME FROM THE CASEFILE (TRACT_BG AND BLOCK)</p> <p>THROUGHOUT ENTIRE QUESTIONNAIRE, ASSIGN -7 FOR REFUSED, AND -9 FOR DON'T KNOW FOR LIST QUESTIONS WITH OTHER\SPECIFY, ASSIGN 99 TO OTHER.></p>	
PreFirstGroup	
[ANSWER "YES" IF THIS IS THE FIRST GROUP OF THIS SEGMENT]	
1 <input type="checkbox"/> YES	
2 <input type="checkbox"/> NO	< If {PreFirstGroup} = "2" then goto PreSegment;>
	PreWeather
PreWeather	
[ENTER CURRENT WEATHER CONDITIONS]	
1 <input type="checkbox"/> SUNNY	
2 <input type="checkbox"/> PARTLY CLOUDY	
3 <input type="checkbox"/> OVERCAST	
4 <input type="checkbox"/> RAINY	
5 <input type="checkbox"/> T'STORM	
6 <input type="checkbox"/> WINDY	
	PreTemperature
PreTemperature (F)	
[ENTER CURRENT TEMPERATURE]	
1 <input type="checkbox"/> <30	
2 <input type="checkbox"/> 30-40	
3 <input type="checkbox"/> 40-50	
4 <input type="checkbox"/> 50-60	
5 <input type="checkbox"/> 60-70	
6 <input type="checkbox"/> 70-80	
7 <input type="checkbox"/> 80-90	
8 <input type="checkbox"/> 90-100	
9 <input type="checkbox"/> 100+	
	PreGroupCount

<p>PreGroupCount</p> <p>[ENTER NUMBER OF GROUPS IN CURRENT SEGMENT]</p> <pre><set {SegSize} = {PreGroupCount}; set {Interval} = Int((({SegSize}-1)/12) + 1); Set {Rnum} = Rnd(); Set {Rnum} = {Rnum}/100; Set {RandStart} = {Rnum}*{Interval}; Set {RandStart} = Int({RandStart})+1; OutputVars(SegSize, Interval, Rnum, RandStart);</pre> <p style="text-align: right;">PreGroupDisplay</p>
<p>PreGroupDisplay</p> <p>[BEGIN INTERVIEWING GROUP {RandStart}. INTERVIEW EVERY {Interval} GROUPS.</p> <p>PLEASE WRITE DOWN THIS INFORMATION]</p> <pre>SegSize = {SegSize} Interval = {Interval} Rnum = {Rnum} RandStart = {RandStart}</pre> <p style="text-align: right;">PreSegment</p>
<p>PreSegment</p> <p>[ENTER SEGMENT ID]</p> <pre>< set {TableLookUp000} = "False"; set {TableLookUp001} = " "; set {TableLookUp002} = " "; set {TableLookUp003} = " "; call tablelookup("\SD card\segments.csv",{#PreSegment},4); IF {TableLookUp000} = "False" then goto SegNotFound; set {AffectedA} = {TableLookUp001}; set {AffectedB} = {TableLookUp002}; set {SegmentName} = "{TableLookUp003}"; OutputVars(AffectedA, AffectedB, SegmentName); Integer 1 – 168></pre> <p style="text-align: right;">PreSegmentConfirm</p>
<p>SegNotFound</p> <p>[Segment {PreSegment} NOT FOUND. PLEASE ENTER A SEGMENT BETWEEN 1 AND 168, WITHOUT LEADING 0s OR SPACES]</p> <p style="text-align: right;">PreSegment</p>

PreSegmentConfirm

[YOU HAVE SELECTED SEGMENT {PreSegment} {SegmentName}.

IS THIS CORRECT?]

<AffectedA = {AffectedA}

AffectedB = {AffectedB}>

1 YES

2 NO

< If {PreSegment Confirm} = "2" then goto PreSegment;>

PreComp

PreComp

<

SET {RANDVERSION} = "{PARM4}";

If {RANDVERSION} = "1" and {AffectedA} = "1" then SET {D10Fill} = "it would be closed to vehicles";

If {RANDVERSION} = "1" and {AffectedA} = "2" then SET {D10Fill} = " ";

If {RANDVERSION} = "1" and {AffectedA} = "3" then SET {D10Fill} = "it would be open to vehicles";

If {RANDVERSION} = "2" and {AffectedB} = "1" then SET {D10Fill} = "During this season, the plan affects the area where we are currently standing -- it would be closed to vehicles";

If {RANDVERSION} = "2" and {AffectedB} = "2" then SET {D10Fill} = " During this season, the plan would not affect the area where we are currently standing ";

If {RANDVERSION} = "2" and {AffectedB} = "3" then SET {D10Fill} = " During this season, the plan affects the area where we are currently standing – it would be open to vehicles";

SET {CostFill} = " ";

IF {PARM3} = "1" THEN SET {CostFill} = "\$10 ";

IF {PARM3} = "2" THEN SET {CostFill} = "\$25 ";

IF {PARM3} = "3" THEN SET {CostFill} = "\$100";

set {IntStart}=now();

set {CurrentMonth} = DatePart("m", "{IntStart}");

OutputVars(IntStart, CurrentMonth, CostFill, RANDVERSION, PARM3, PARM4);

INTRO00

INTRODUCTION. DET**INTRO00**

Hi, my name is {FINAME}. I work for Research Triangle Institute, a nonprofit research institute located in Raleigh, North Carolina. We are conducting an interview to help the National Park Service understand how different park management decisions affect people's visits to Cape Hatteras National Seashore.

INTRO01**INTRO01**

According to my instructions, I need to interview the person in your group who is at least 18 years old and has the next birthday. Who is that?

[NEXT BIRTHDAY IS DETERMINED BY...]

INTRO02**INTRO02**

The interview should take about 20 minutes. All of your answers are completely voluntary and you can stop at any time. However, since we are only talking to a sample of visitors, each survey is very important.

We do not need your name or any other personal information that could identify you, so your answers will be anonymous. Here is a card with the telephone number for the study manager and the people at RTI's office who protect the rights of people who participate in research studies if you have any questions.

Also, I need to make you aware that the Paperwork Reduction Act requires approval of all federal government surveys by the Office of Management and Budget. This survey has been approved under this Act. The Office of Management and Budget control number and expiration date are available at your request. Additional information about this survey and its approval is available at your request.

IntroA01**IntroA01**

Okay, let's get started.

[CHECK YES IF THEY ALLOW THE INTERVIEW TO START, CHECK NO IF THEY REFUSE]

1 YES <if {IntroA01} = "1" then goto A01;>
2 NO

IntroB01

IntroB01 [FOR NON-RESPONSE BIAS ANALYSIS--ASKED OF REFUSERS]

Even a few questions would help us make sure we have a representative sample. For our records, do you currently live in the United States?

- 1 YES
 2 NO <IF INTROB01 = 2 THEN SKIP TO INTROB03>
 -9 DON'T KNOW <IF INTROB01 = -9 THEN SKIP TO INTROB03>
 -7 REFUSE <IF INTROB01 = -7 THEN SKIP TO E01>

INTROB02**IntroB02 [FOR NON-RESPONSE BIAS ANALYSIS--ASKED OF REFUSERS]**

What is your primary residence zip code?

<RANGE: 00001 TO 99999, -7, -9>

INTROC01**IntroB03 [FOR NON-RESPONSE BIAS ANALYSIS--ASKED OF REFUSERS]**

What country do you live in?

- 1 UNITED STATES <if {IntroB03} = "1" then goto IntroB02;>
 2 CANADA
 99 OTHER <if {IntroB03} = "99" then goto IntroB03Specify;>
 -9 DON'T KNOW
 -7 REFUSE

INTROC01**IntroB03Specify [FOR NON-RESPONSE BIAS ANALYSIS--ASKED OF REFUSERS]**

(What country do you live in?)

[SPECIFY COUNTRY]

<TEXT >

IntroC01**IntroC01 [FOR NON-RESPONSE BIAS ANALYSIS--ASKED OF REFUSERS]**

And one more question -- have you ever driven or gone for a ride in a vehicle on the beach here in Cape Hatteras National Seashore?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

E01

SECTION A. DETERMINE APPROPRIATE SURVEY

A01

Do you live in the United States?

- 1 YES <IF A01 = 1 THEN SKIP TO A01a>
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

A01b**A01a**

What is your primary residence zip code?

< IF {#A01a} = 27915 or {#A01a} = 27920 or {#A01a} = 27927 or {#A01a} = 27936 or
 {#A01a} = 27943 or {#A01a} = 27948 or {#A01a} = 27949 or {#A01a} = 27953 or {#A01a} =
 27954 or {#A01a} = 27959 or {#A01a} = 27960 or {#A01a} = 27968 or {#A01a} = 27972 or
 {#A01a} = 27978 or {#A01a} = 27981 or {#A01a} = 27982 THEN GOTO D01Years;
 INTEGER, RANGE: 00001 – 99999, -7 -9>

A02**A01b**

What country do you live in?

- 1 UNITED STATES < IF A01b = 1 THEN GOTO A01a>
 2 CANADA
 99 OTHER <IF A01b = 99 THEN GOTO A01bSpecify>
 -9 DON'T KNOW
 -7 REFUSE

A02**A01bSpecify**

(What country do you live in?)

[SPECIFY COUNTRY]

<TEXT >

A02

A02

On this trip, are you staying overnight away from home? (Home is defined as your primary residence.)

[IF DON'T KNOW OR REFUSED YOU MAY ASK (The survey questions are a little different for people staying overnight and people on day trips. Are you staying overnight away from your primary residence?)]

1 YES

2 NO <NO SKIP NEEDED >

<IF {A02} = "1" THEN SET {B15Fill} = "staying with you in the same house, campsite, or hotel room";

IF {A02} = "2" THEN SET {B15Fill} = " traveling with you on this trip today ">

B03

SECTION B. SURVEY OUT-OF-TOWN VISITORS ON OVERNIGHT TRIPS \ OUT-OF-TOWN RESIDENTS ON A DAY TRIPS

B03

Is this your first trip to Cape Hatteras National Seashore?

- 1 YES <IF A01 = 1 THEN SKIP TO B08>
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B04**B04**

How many trips have you made to the whole Outer Banks area so far this year, including parts of the Outer Banks north of Cape Hatteras National Seashore?

[FOR DON'T KNOW, ENTER -9
 FOR REFUSED, ENTER -7]

<INTEGER, RANGE: 01 – 150,-7, -9, IF {B04} = "-9" OR {B04} = "-7" THEN GOTO B06>

B05**B05**

How many of these trips included a visit to some part of Cape Hatteras National Seashore? Only count visits to the National Seashore, not visits to other beaches on the Outer Banks.

[FOR DON'T KNOW, ENTER -9
 FOR REFUSED, ENTER -7]

QxQ – CAPE HATTERAS NATIONAL SEASHORE INCLUDES THE LAND SOUTH OF WHALEBONE JUNCTION AND NAGS HEAD, BETWEEN RAMP 2 AND RAMP 72.

<INTEGER, RANGE: 00 – 150, -7, -9.
 IF {#B05} > {#B04} THEN GOTO B05ERROR>

B06**B05ERROR**

[ERROR, THE RESPONSE TO B05 MUST BE LESS THAN OR EQUAL TO B04]

B04

B06

How many trips did you make to Cape Hatteras National Seashore in 2008?

[FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER, RANGE: 00 – 150, -7, -9>

B06b**B06b**

How many trips did you make to Cape Hatteras National Seashore in 2007?

[FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER, RANGE: 00 – 150, -7, -9>

B06d**B06d**

Are you planning to make any more trips to Cape Hatteras National Seashore in 2009 (2010)?

- 1 YES <IF B06d = 1 THEN SKIP TO B06e>
2 NO
-9 DON'T KNOW
-7 REFUSE

B07**B06e**

How many more trips do you think you will make to Cape Hatteras National Seashore in 2009 (2010)?

[FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER RANGE: 00 – 150, -7, -9>

B07**B07**

In the last 10 years, how many years have you made at least one trip to Cape Hatteras National Seashore? Again, only count visits to the National Seashore, not visits to other beaches on the Outer Banks.

[FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER, RANGE: 00 – 10, -7, -9>

B08

B08

How likely are you to visit the Cape Hatteras National Seashore next year? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- 1 VERY LIKELY
 2 SOMEWHAT LIKELY
 3 SOMEWHAT UNLIKELY
 4 VERY UNLIKELY
 -9 DON'T KNOW
 -7 REFUSE

B08a**B08a**

Now we want to describe some plans to manage vehicles on the beach in Cape Hatteras National Seashore.

Before you arrived at Cape Hatteras National Seashore for this trip, did you know that some beaches at Cape Hatteras National Seashore were open to vehicles?

- 1 YES <if {B08a} = "1" then goto B08b>
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B08Comp**B08b**

Before you arrived at Cape Hatteras National Seashore for this trip, did you know that certain parts of the seashore that have been open to vehicles in the past are now closed to vehicles during parts of the spring, summer and fall?

- 1 YES <if {B08b} = "1" then goto B08c>
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B08Comp

B08c

How would you say the uncertainty about whether specific parts of the seashore would be open to vehicles affected you when you started planning for this trip? Would you say that because of the uncertainty you made plans further in advance, the uncertainty did not affect your planning for this trip, or you made your plans closer to the time of your trip?

- 1 FURTHER IN ADVANCE
 2 DIDN'T AFFECT
 3 MADE PLANS CLOSER TO THE TIME OF THE TRIP
 -9 DON'T KNOW
 -7 REFUSE

B08d**B08d**

Did you get any information on beach closings before you made this trip?

- 1 YES <IF B08b = 1 then goto B08e>
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B08Comp**B08e**

Did you get your information about beach closings from the Cape Hatteras National Seashore website, by calling the National Seashore, from another website, from friends, or from another source?

- 1 CAPE HATTERAS WEBSITE
 2 CALLING CAPE HATTERAS PARK OFFICE
 3 ANOTHER WEBSITE
 4 FRIENDS
 5 ANOTHER SOURCE
 -9 DON'T KNOW
 -7 REFUSE

B08Comp**B08Comp**

< IF {RANDVERSION} = "2" then goto B13INFO>

NOTE TO REVIEWERS:

Respondents randomly assigned either Version A (#9 - 12) or Version B (#13-14)

B08INFO

B08INFO

Here is a map of Cape Hatteras National Seashore. During different times of the year, parts of the seashore may be closed to safeguard the nesting areas of various species of protected sea turtles and shorebirds. Managing the area for visitors can be difficult because the park does not know in advance where the shorebirds and sea turtles will nest and when different parts of the beach will need to be closed.

Suppose that under a new plan to manage beach driving the areas in green would be open to vehicles and pedestrians. The green areas would be managed like they currently are. If protected birds or turtles nest on the beach, part or all of the green areas could be closed. If a section of the beach is closed to protect the nests of shorebirds, which usually happens in the spring and early summer, the section of beach will stay closed until mid-July at the earliest or until the birds learn to fly. Turtle nests usually hatch from late-July until late-October. The park monitors the nests and provides weekly updates on which sections of beach are open or closed.

All the areas in blue would be open for pedestrians only. The light blue areas are resource areas designated to support protected birds. Similar to the green areas, if birds nest in these areas, the areas may close to pedestrians during parts of the spring and summer.

(The dark blue areas are high visitation areas.)

We are here [POINT TO MAP].

[WE ARE ASKING ABOUT THIS TRIP ONLY, SO THE MAPS REPRESENT WHAT THE BEACH WOULD LOOK LIKE RIGHT NOW]

QxQ - If people want to know if the beach would be closed all year, tell them that we are only asking about this trip, we are not asking about trips later in the year.

<IF {AFFECTEDA} = "1" or {AFFECTEDA} = "3" then goto B11>

[SKIP to question B11 if the area where the respondent is standing will be affected by the alternative.]

B09

B09

During this season, the plan does not affect management of the area where we are currently standing. It would affect the light blue areas, which would be closed to vehicles even if there were no nests. It would also affect the dark green areas on Ocracoke, which would be open to vehicles during this season if there were no nests.

If the plan on this map had been in place *before* you made any plans or reservations for this trip and before you put down any money on deposits, how likely is it that you would still have taken this trip? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- 1 VERY LIKELY
 2 SOMEWHAT LIKELY
 3 SOMEWHAT UNLIKELY
 4 VERY UNLIKELY
 -9 DON'T KNOW
 -7 REFUSE

<IF B09 = 1 or 2 or -9 or -7 then goto B10b>

B10**B10**

What do you think you most likely would have done instead? Would you go to another part of the Outer Banks, go to a different beach in North Carolina, go to a different beach outside North Carolina, go somewhere else-but not an ocean beach, or stay home?

- 1 GO TO ANOTHER PART OF THE OUTER BANKS
 2 GO TO A DIFFERENT BEACH IN NORTH CAROLINA
 3 GO TO A DIFFERENT BEACH OUTSIDE NORTH CAROLINA
 4 GO SOMEWHERE ELSE, BUT NOT AN OCEAN BEACH
 5 STAY HOME
 -9 DON'T KNOW
 -7 REFUSE

B10b**B10b**

Under this plan, when no protected birds or turtles are nesting, all the areas in blue would be closed to vehicles all year and all the areas in green would be open to vehicles all year. Do you think you would have taken more trips to Cape Hatteras National Seashore, fewer trips, or the same number as you plan to in 2009 (2010)?

- 1 I WOULD HAVE TAKEN MORE TRIPS
 2 I WOULD HAVE TAKEN THE SAME NUMBER
 3 I WOULD HAVE TAKEN FEWER TRIPS
 -9 DON'T KNOW
 -7 REFUSE

B15Adults

B11

During this season, the plan affects the area where we are currently standing – {D10Fill: “It would be closed to vehicles” **OR** “It would be open to vehicles”}. If the plan on this map had been in place *before* you made any plans or reservations and before you put down any money on deposits for this trip, how likely is it that you would still have taken this trip? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- 1 VERY LIKELY
- 2 SOMEWHAT LIKELY
- 3 SOMEWHAT UNLIKELY
- 4 VERY UNLIKELY
- 9 DON'T KNOW
- 7 REFUSE

<if {B11} = "1" or {B11} = "2" or {B11} = "-9" or {B11} = "-7" then goto B12b>

B12**B12**

What do you think you most likely would have done instead? Would you go to another part of the Outer Banks, go to a different beach in North Carolina, go to a different beach outside North Carolina, go somewhere else-but not an ocean beach, or stay home?

- 1 GO TO ANOTHER PART OF THE OUTER BANKS
- 2 GO TO A DIFFERENT BEACH IN NORTH CAROLINA
- 3 GO TO A DIFFERENT BEACH OUTSIDE NORTH CAROLINA
- 4 GO SOMEWHERE ELSE, BUT NOT AN OCEAN BEACH
- 5 STAY HOME
- 9 DON'T KNOW
- 7 REFUSE

B12b

B12b

Under this plan, when no protected birds or turtles are nesting all the areas in blue would be closed to vehicles all year and all the areas in green would be open to vehicles all year. Do you think you would have taken more trips to Cape Hatteras National Seashore, fewer trips, or the same number as you plan to in 2009 (2010)?

- 1 I WOULD HAVE TAKEN MORE TRIPS
 2 I WOULD HAVE TAKEN THE SAME NUMBER
 3 I WOULD HAVE TAKEN FEWER TRIPS
 -9 DON'T KNOW
 -7 REFUSE

B15Adults**B13Info**

Here is a map of Cape Hatteras National Seashore. During different times of the year, parts of the seashore may be closed to safeguard the nesting areas of various species of protected sea turtles and shorebirds. Managing the area for visitors can be difficult because the park does not know in advance where the shorebirds and sea turtles will nest and when different parts of the beach will need to be closed.

[THE FOLLOWING TEXT WILL DIFFER DEPENDING ON THE TIME OF YEAR]

Suppose that under a new plan to manage beach driving, the light blue areas on the map would be open to pedestrians, but not vehicles. The dark blue areas would be open to pedestrians only but no vehicles during most of the spring, summer and fall, and open to vehicles when visitation is lower. The areas in green would be open to vehicles and pedestrians year round.

If protected birds or turtles nest on the beach, part or all of an area could be closed. If a section of the beach is closed to protect the nests of shorebirds, which usually happens in the spring and early summer, the section of beach will stay closed until mid-July at the earliest or until the birds learn to fly. Turtle nests usually hatch from late-July until late-October. The park monitors the nests and provides weekly updates on whether the sections of beach are open or closed.

The purple areas will be closed in mid-March as they are under the current rules. They would be opened up to pedestrians and vehicles on August 1 or 2 weeks after the last birds learn how to fly, whichever is later, unless the park can create paths for pedestrians and/or vehicles. Under the new plan the park would work to maintain more pedestrian and vehicle access to these areas than there is currently by building pedestrian trails, vehicle corridors, building new vehicle access ramps and allowing water taxis to service inaccessible areas. Even with these measures, there is no guarantee that the purple areas would be open during the spring and summer, but with the park's actions there would be a better chance for pedestrian and/or vehicle access to parts of the areas that are under current management.

B13

B13

We are here. [POINT TO LOCATION ON MAP] {D10Fill: "This area is closed to vehicles" **OR** "This area is open to vehicles"}.

Suppose you had this information *before* you made any plans or reservations and before you put down any money on deposits for this trip. How likely would you still have taken this trip? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- 1 VERY LIKELY
 2 SOMEWHAT LIKELY
 3 SOMEWHAT UNLIKELY
 4 VERY UNLIKELY
 -9 DON'T KNOW
 -7 REFUSE

<if {B13} = "1" or {B13} = "2" or {B13} = "-7" or {B13} = "-9" then goto B14b>

B14**B14**

What do you think you most likely would have done instead? Would you go to another part of the Outer Banks, go to a different beach in North Carolina, go to a different beach outside North Carolina, go somewhere else-but not an ocean beach, or stay home?

- 1 GO TO ANOTHER PART OF THE OUTER BANKS
 2 GO TO A DIFFERENT BEACH IN NORTH CAROLINA
 3 GO TO A DIFFERENT BEACH OUTSIDE NORTH CAROLINA
 4 GO SOMEWHERE ELSE, BUT NOT AN OCEAN BEACH
 5 STAY HOME
 -9 DON'T KNOW
 -7 REFUSE

B14b**B14b**

Under this plan, the areas in purple would be open for pedestrian and vehicle access more days during the spring, summer, and fall. Do you think you would have taken more trips to Cape Hatteras National Seashore, fewer trips or the same number as you plan to in 2009 (2010)?

- 1 I WOULD HAVE TAKEN MORE TRIPS
 2 I WOULD HAVE TAKEN THE SAME NUMBER
 3 I WOULD HAVE TAKEN FEWER TRIPS
 -9 DON'T KNOW
 -7 REFUSE

B15Adults

B15Adults

Now we have a few questions about your current trip.

How many adults 18 and over are {B15Fill "staying with you in the same house, campsite, or hotel room" **OR** "traveling with you on this trip today " }?

[FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER, RANGE: 00 – 99, -7, -9>

B15Children**B15Children**

How many children are {B15Fill "staying with you in the same house, campsite, or hotel room" **OR** "traveling with you on this trip today " }

[PEOPLE 17 AND UNDER ARE CONSIDERED CHILDREN
FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER, RANGE: 00 – 99, -7, -9>

B15Comp**B15Comp**

< If {A02} = "2" then goto B19a; >

B16**B16**

How many nights will you spend on the Outer Banks during this trip?

[FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER, RANGE: 00 – 99, -7, -9>

B16Month**B16Month**

What date did this trip start?

[ENTER MONTH ON THIS SCREEN AND DAY ON THE NEXT SCREEN

FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER 1-12>

B16Day

B16Day

(What date did this trip start?)

[ENTER DAY ON THIS SCREEN
FOR DON'T KNOW, ENTER -9
FOR REFUSED, ENTER -7]

<INTEGER 1-31>

B17**B17**

What village are you staying in? [READ LIST CHECK ONLY ONE RESPONSE]

Is it Rodanthe, Waves, Salvo, Avon, Buxton, Frisco, Hatteras, Ocracoke, Kitty Hawk or Nags Head, Southern Shores or Duck, Corolla or areas north of Corolla, Manteo or Roanoke Island, or other?

- 1 RODANTHE
- 2 WAVES
- 3 SALVO
- 2 AVON
- 5 BUXTON
- 6 FRISCO
- 7 HATTERAS
- 8 OCRACOKE
- 9 KITTY HAWK OR NAGS HEAD
- 10 SOUTHERN SHORES OR DUCK
- 11 COROLLA OR AREAS NORTH OF COROLLA
- 12 MANTEO OR ROANOKE ISLAND
- 99 OTHER <If {B17} = "99" then goto B17Specify >
- 9 DON'T KNOW
- 7 REFUSE

B18**B17Specify**

(What village are you staying in?)

[SPECIFY VILLAGE]

<TEXT >

B18

B18

What type of lodging are you staying in? [READ LIST, CHECK ONLY ONE RESPONSE]

Is it a Hotel/motel/rental condo, or timeshare, Bed and breakfast, Your own vacation home, A house you rented, Campground, With friends or family who live here, In vacation house belonging to friends or family, or Other?

- 1 HOTEL/MOTEL/RENTAL CONDO, OR TIMESHARE
 2 BED AND BREAKFAST
 3 YOUR OWN VACATION HOME
 4 A HOUSE YOU RENTED
 5 CAMPGROUND
 6 WITH FRIENDS OR FAMILY WHO LIVE HERE
 7 IN VACATION HOUSE BELONGING TO FRIENDS OR FAMILY
 99 OTHER < If {B18} = "99" then goto B18Specify >
 -9 DON'T KNOW
 -7 REFUSE

< ATextFSize=(07,10);>

B19a**B18Specify**

(What lodging are you staying in?)

[SPECIFY LODGING]

<TEXT >

B19a**B19a**

Now we have some questions about places you have visited or plan to visit on this trip or have visited in the past.

Have you visited the area north of Oregon Inlet and vehicle ramp 4 already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH, READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

< If {B19a} = "1" or {B19a} = "2" then goto B19B >

B20a

B20a

Have you ever been to the ...

Area north of Oregon Inlet and vehicle ramp 4?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19b**B19b**

Have you visited the point of Oregon Inlet (south of vehicle ramp 4) already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
 READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

< If {B19b} = "1" or {B19b} = "2" then goto B19c >

B20b**B20b**

Have you ever been to ...

The point of Oregon Inlet (south of vehicle ramp 4)?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19c

B19c

Have you visited the Rodanthe to Buxton area already on this trip or, if not, do you plan to visit the area later in your trip?

[PRONOUNCED "ROW DAN THEE"]

SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH, READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

< If {B19c} = "1" or {B19c} = "2" then goto B19d>

B20c**B20c**

Have you ever been to ...

Rodanthe to Buxton?

[PRONOUNCED "ROW DAN THEE"]

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19d**B19d**

Have you visited the ocean side of Hatteras Island *north* of the Cape Hatteras Lighthouse to Buxton already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH, READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

< If {B19d} = "1" or {B19d} = "2" then goto B19e>

B20d

B20d

Have you ever been to ...

Ocean side of Hatteras Island *north* of the Cape Hatteras Lighthouse to Buxton?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19e**B19e**

Have you visited the Ocean side of Hatteras Island *south* of the Cape Hatteras Lighthouse to Cape Point already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
 READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19e = 1 or 2 THEN SKIP TO B19f>

B20e**B20e**

Have you ever been to ...

Ocean side of Hatteras Island *south* of the Cape Hatteras Lighthouse to Cape Point?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19f

B19f

Have you visited the Cape Point area already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19f = 1 or 2 THEN SKIP TO B19g>

B20f**B20f**

Have you ever been to ...

Cape Point area?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19g**B19g**

Have you visited the area from South Beach to the last vehicle access ramp on Hatteras Island (ramp 55) already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19g = 1 or 2 THEN SKIP TO B19h>

B20g

B20g

Have you ever been to ...

South Beach to the last vehicle access ramp on Hatteras Island (ramp 55)?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19h**B19h**

Have you visited Hatteras Inlet at the end of Hatteras Island already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH, READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19h = 1 or 2 THEN SKIP TO B19i>

B20h**B20h**

Have you ever been to ...

Hatteras Inlet at the end of Hatteras Island

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19i

B19i

Have you visited North Ocracoke Spit, which is the south side of Hatteras Inlet on Ocracoke Island already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19i = 1 or 2 THEN SKIP TO B19j>

B20i**B20i**

Have you ever been to ...

North Ocracoke Spit, which is the south side of Hatteras Inlet on Ocracoke Island?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19j**B19j**

Have you visited Ocracoke from vehicle ramp 59 south to vehicle ramp 72 already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19j = 1 or 2 THEN SKIP TO B19k>

B20j

B20j

Have you ever been to ...

Ocracoke from vehicle ramp 59 south to vehicle ramp 72?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19k**B19k**

Have you visited the area from Ramp 72 to South Point at the end of Ocracoke Island already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
 READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19k = 1 or 2 THEN SKIP TO B19l>

B20k**B20k**

Have you ever been to ...

Ramp 72 to South Point at the end of Ocracoke Island?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19l

B19l

Have you visited the Sound side of Cape Hatteras already on this trip or, if not, do you plan to visit the area later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED THE AREA ALREADY
 2 NO, BUT I PLAN TO VISIT THE AREA ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19l = 1 or 2 THEN SKIP TO B19m>

B20l**B20l**

Have you ever been to ...

The Sound side of Cape Hatteras?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B19m**B19m**

Are there any other parts of the National Seashore that you have already visited on this trip or that you plan to visit later in your trip?

[SHOW PICTURE OF PLACES LABELED INCLUDING SECTIONS OF BEACH,
READING THROUGH LIST WHILE POINTING TO MAP]

- 1 YES, I HAVE VISITED OTHER AREAS ALREADY
 2 NO, BUT I PLAN TO VISIT OTHER AREAS ON THIS TRIP
 3 NO, AND I DON'T PLAN TO VISIT THE AREA ON THIS TRIP
 -9 DON'T KNOW
 -7 REFUSE

<IF B19m = 1 or 2 THEN SKIP TO B19Specify >

B21a

B19Specify

(On this trip have you visited any other parts of the National Seashore?)

[SPECIFY PLACES ON THE OUTER BANKS WHERE THEY HAVE VISITED SO FAR]

<TEXT >

B21a**B21a**

What activities have you done so far on this trip?

Pier fishing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B21b**B21b**

(What activities have you done so far on this trip?)

Beach fishing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B21c**B21c**

(What activities have you done so far on this trip?)

Charter (offshore) fishing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B21d

B21d

(What activities have you done so far on this trip?)

Swimming, sunbathing, or enjoying the beach?

- 1 YES
2 NO
-9 DON'T KNOW
-7 REFUSE

B21e**B21e**

(What activities have you done so far on this trip?)

Surfing or kite-surfing?

- 1 YES
2 NO
-9 DON'T KNOW
-7 REFUSE

B21f**B21f**

(What activities have you done so far on this trip?)

Birdwatching/wildlife-viewing?

- 1 YES
2 NO
-9 DON'T KNOW
-7 REFUSE

B21g**B21g**

(What activities have you done so far on this trip?)

Take a ferry?

- 1 YES
2 NO
-9 DON'T KNOW
-7 REFUSE

B21h

B21h

(What activities have you done so far on this trip?)

Visit the Cape Hatteras Lighthouse or Bodie Island Lighthouse?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B21i**B21i**

(What activities have you done so far on this trip?)

Visit historic sites in Cape Hatteras National Seashore?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B21j**B21j**

(What activities have you done so far on this trip?)

Canoeing, kayaking, or sailing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B21k**B21k**

(What activities have you done so far on this trip?)

Driving on the beach during the day?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

< SET B22Fill = " ";

IF B21k =1 THEN SET B22Fill = " else " >

B21l

B21l

(What activities have you done so far on this trip?)

Driving on the beach at night after 10pm?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

<IF B21L =1 THEN SET B22Fill = " else " >

B21m**B21m**

Have you done any other beach\recreational activities so far on this trip?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

< SET {ActivitySpecify} = " ";
 IF {B21m} = "1" then goto B21Specify>

B21n**B21Specify**

(Have you done any other beach\recreational activities so far on this trip?)

[ENTER OTHER BEACH\RECREATIONAL ACTIVITIES DONE SO FAR ON THIS TRIP]

<TEXT set {ActivitySpecify} = {B21Specify}>

B21n

B21n

Of the activities you just mentioned, what is your primary activity for *this* trip?

- 1 PIER FISHING
 2 BEACH FISHING
 3 CHARTER (OFFSHORE) FISHING
 4 SWIMMING, SUNBATHING, OR ENJOYING THE BEACH
 5 SURFING OR KITE-SURFING
 6 BIRDWATCHING/WILDLIFE-VIEWING
 7 TAKE A FERRY
 8 VISIT THE CAPE HATTERAS LIGHTHOUSE OR BODIE ISLAND LIGHTHOUSE
 9 VISIT HISTORIC SITES IN CAPE HATTERAS NATIONAL SEASHORE
 10 CANOEING, KAYAKING, OR SAILING
 11 DRIVING ON THE BEACH DURING THE DAY
 12 DRIVING ON THE BEACH AT NIGHT AFTER 10 PM
 99 OTHER - {ActivitySpecify}
 -9 DON'T KNOW
 -7 REFUSE

B22a**B22a**

How many hours do you plan to spend on the beach today?

[USE DECIMALS TO ENTER PARTIAL HOURS
 .75 = 45 MINUTES, .50 = 30 MINUTES, .25 = 15 MINUTES
 FOR DON'T KNOW, ENTER -9
 FOR REFUSED, ENTER -7]

<DECIMAL 0 – 24, -7, -9>

B22b**B22b**

Has anyone{B22Fill: "else" **OR** blank} in your group driven a vehicle on the beach during this trip?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B23

B23

As part of new proposals for managing beach driving, the park may institute a permit system for beach driving. Drivers could purchase a 12-month permit for {CostFill: \$10 **OR** \$25 **OR** \$100}. The money collected from the permits would be used to manage beach driving. If required for beach driving, would you have paid {CostFill: \$10 **OR** \$25, **OR** \$100} to buy a 12-month permit for this trip?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B24a**B24a**

Have you made trips to any other ocean beaches in North Carolina, south of Ocracoke Island in the last 12 months?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B24b**B24b**

Have you made trips to any other ocean beaches anywhere in the U.S. in the last 12 months?

- 1 YES < If {B24b} = "1" then goto B25 >
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

B26

B25

Which other states did you visit for ocean beach trips in the last 12 months?

- 1 ALABAMA
- 2 ALASKA
- 4 CALIFORNIA
- 8 CONNECTICUT
- 16 DELAWARE
- 32 FLORIDA
- 64 GEORGIA
- 128 HAWAII
- 256 LOUISIANA
- 512 MAINE
- 1024 MARYLAND
- 2048 MASSACHUSETTS
- 4096 MISSISSIPPI
- 8192 NEW JERSEY
- 16384 NEW HAMPSHIRE
- 32768 NEW YORK
- 65536 OREGON
- 131072 PENNSYLVANIA
- 262144 RHODE ISLAND
- 524288 SOUTH CAROLINA
- 1048576 TEXAS
- 2097152 VIRGINIA
- 4194304 WASHINGTON
- 8388608 DON'T KNOW
- 16777216 REFUSED
- 33554432 NONE OF THE ABOVE

<ATA question type>

B26**B26**

How would you rate this trip so far? Would you say it is very good, good, average, poor, or very poor?

- 1 VERY GOOD
- 2 GOOD
- 3 AVERAGE
- 4 POOR
- 5 VERY POOR
- 9 DON'T KNOW
- 7 REFUSED

B27

B27

Thank you. We're finished with the interview. Is there anything else you would like to add?

E01

SECTION D. LOCAL RESIDENTS OF THE OUTER BANKS AND MANTEO ON DAY TRIPS

D01Years

How long have you lived at the Outer Banks?

[ENTER NUMBER OF YEARS ON THIS SCREEN AND THE NUMBER OF MONTHS ON THE NEXT SCREEN

FOR DON'T KNOW, ENTER -9

FOR REFUSED, ENTER -7]

_____ <INTEGER, 2 DIGITS, RANGE: 00 – 99, -7, -9>

D01Months**D01Months**

(How long have you lived at the Outer Banks?)

[ENTER NUMBER OF MONTHS

FOR DON'T KNOW, ENTER -9

FOR REFUSED, ENTER -7]

_____ <INTEGER, 2 DIGITS, RANGE: 00 – 11, -7, -9>

D01b**D01b**

Is this your first trip to Cape Hatteras National Seashore?

1 YES <IF D01b = 1 THEN SKIP TO D09a>

2 NO

-9 DON'T KNOW

-7 REFUSE

D02**D02**

How many days did you visit the National Seashore in the months of January and February? Only count visits to the National Seashore, not visits to other beaches on the Outer Banks. Please give us your best estimate.

1 1 TIME A WEEK OR MORE

2 2-3 TIMES A MONTH

3 ONCE A MONTH

4 LESS THAN ONCE A MONTH

5 NONE

-9 DON'T KNOW

-7 REFUSE

D03

D03

How many days did you visit the National Seashore in the months of March, April, and May?

- 1 1 TIME A WEEK OR MORE
 2 2-3 TIMES A MONTH
 3 ONCE A MONTH
 4 LESS THAN ONCE A MONTH
 5 NONE
 -9 DON'T KNOW
 -7 REFUSE

D04Fill**D04Fill**

SET MONTH FILL FOR D04, D05, D06 HERE – NEED ADDITIONAL INFO OR SKIPS.
 How many days have you visited ["did you visit" if past August 31] the National Seashore in the months of June, July, and August [only mention months that have passed, plus the month of the interview. Do not mention future months]?

<

IF {CurrentMonth} = "01" OR {CurrentMonth} = "02" OR {CurrentMonth} = "03" OR
 {CurrentMonth} = "04" OR {CurrentMonth} = "05" THEN GOTO D07;
 IF {CurrentMonth} = "06" THEN set D04Fill = " have you visited the National Seashore in the
 month of June?";
 IF {CurrentMonth} = "07" THEN set D04Fill = " have you visited the National Seashore in the
 months of June and July?";
 IF {CurrentMonth} = "08" THEN set D04Fill = " have you visited the National Seashore in the
 months of June, July, and August?";
 IF {CurrentMonth} = "09" OR {CurrentMonth} = "10" OR {CurrentMonth} = "11" OR
 {CurrentMonth} = "12" OR MONTH = "05" THEN
 set D04Fill = " did you visit the National Seashore in the months of June, July, and August?";>

D04**D04**

How many days {D04Fill}?

- 1 1 TIME A WEEK OR MORE
 2 2-3 TIMES A MONTH
 3 ONCE A MONTH
 4 LESS THAN ONCE A MONTH
 5 NONE
 -9 DON'T KNOW
 -7 REFUSE

D05Fill

D05Fill

*SET FILL FOR D05 -How many days have you visited ["did you visit" if past October 31] the National Seashore in the months of September and October? [only mention months that have passed, plus the month of the interview. Do not mention future months]

<

IF {CurrentMonth} = "01" OR {CurrentMonth} = "02" OR {CurrentMonth} = "03" OR
 {CurrentMonth} = "04" OR {CurrentMonth} = "05" OR {CurrentMonth} = "06" OR
 {CurrentMonth} = "07" OR {CurrentMonth} = "08" THEN GOTO D07;

IF {CurrentMonth} = "09" THEN set D05Fill = " have you visited the National Seashore in the month of September?";

IF {CurrentMonth} = "10" THEN set D05Fill = " have you visited the National Seashore in the months of September and October? ";

IF {CurrentMonth} = "11" OR {CurrentMonth} = "12" THEN set D05Fill = " did you visit the National Seashore in the months of September and October? ";

>

D05**D05**

How many days {D05Fill}

- 1 1 TIME A WEEK OR MORE
 2 2-3 TIMES A MONTH
 3 ONCE A MONTH
 4 LESS THAN ONCE A MONTH
 5 NONE
 -9 DON'T KNOW
 -7 REFUSE

D06Fill**D06Fill**

SET D06 FILL - How many days have you visited ["did you visit" if past December 31] the National Seashore in the months of November and December? [only mention months that have passed, plus the month of the interview. Do not mention future months]

<

IF {CurrentMonth} = "01" OR {CurrentMonth} = "02" OR {CurrentMonth} = "03" OR
 {CurrentMonth} = "04" OR {CurrentMonth} = "05" OR {CurrentMonth} = "06" OR
 {CurrentMonth} = "07" OR {CurrentMonth} = "08" OR {CurrentMonth} = "09" OR
 {CurrentMonth} = "10" THEN GOTO D07;

IF {CurrentMonth} = "11" THEN set D06Fill = " have you visited the National Seashore in the month of November?";

IF {CurrentMonth} = "12" THEN set D06Fill = " have you visited the National Seashore in the months of November and December?">

D06

D06

How many days {D06Fill}

- 1 1 TIME A WEEK OR MORE
- 2 2-3 TIMES A MONTH
- 3 ONCE A MONTH
- 4 LESS THAN ONCE A MONTH
- 5 NONE
- 9 DON'T KNOW
- 7 REFUSE

D07**D07**

Thinking back to 2008, on average over the whole year how often did you use the beach in Cape Hatteras National Seashore in 2008? Only count visits to the National Seashore, not visits to other beaches on the Outer Banks.

- 1 1 TIME A WEEK OR MORE
- 2 2-3 TIMES A MONTH
- 3 ONCE A MONTH
- 4 LESS THAN ONCE A MONTH
- 5 NONE
- 9 DON'T KNOW
- 7 REFUSE

D08**D08**

Comparing 2009 and 2010, would you say you will probably spend more days in the National Seashore in 2010, about the same number days in the National Seashore in 2010, or fewer days in the National Seashore in 2010 than in 2009?

- 1 MORE
- 2 ABOUT THE SAME
- 3 FEWER
- 9 DON'T KNOW
- 7 REFUSE

D08b

D08b

Thinking back to 2007, on average over the whole year how often did you use the beach in Cape Hatteras National Seashore in 2007? Only count visits to the National Seashore, not visits to other beaches on the Outer Banks.

- 1 1 TIME A WEEK OR MORE
 2 2-3 TIMES A MONTH
 3 ONCE A MONTH
 4 LESS THAN ONCE A MONTH
 5 NONE
 -9 DON'T KNOW
 -7 REFUSE

D08c**D08c**

Comparing 2009 and 2010, would you say you will probably spend more days in the National Seashore in 2010, about the same number days in the National Seashore in 2010, or fewer days in the National Seashore in 2010 than in 2009?

- 1 MORE
 2 ABOUT THE SAME
 3 FEWER
 -9 DON'T KNOW
 -7 REFUSE

D09a**D09a**

How often have you made trips this year to the rest of the Outer Banks, north of Cape Hatteras?

- 1 1 TIME A WEEK OR MORE
 2 2-3 TIMES A MONTH
 3 ONCE A MONTH
 4 LESS THAN ONCE A MONTH
 5 NONE
 -9 DON'T KNOW
 -7 REFUSE

D09b

D09b

How likely are you to permanently move away from the Outer Banks in the next 12 months? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- 1 VERY LIKELY
 2 SOMEWHAT LIKELY
 3 SOMEWHAT UNLIKELY
 4 VERY UNLIKELY
 -9 DON'T KNOW
 -7 REFUSE

D09INFO**D09INFO**

Here is a map of Cape Hatteras National Seashore. During different times of the year, parts of the seashore may be closed to safeguard the nesting areas of various species of protected sea turtles and shorebirds. Managing the area for visitors can be difficult because the park does not know in advance where the shorebirds and sea turtles will nest and when different parts of the beach will need to be closed.

Suppose that under a new plan to manage beach driving the areas in green would be open to vehicles and pedestrians. The green areas would be managed like they currently are. If protected birds or turtles nest on the beach, part or all of the green areas could be closed. If a section of the beach is closed to protect the nests of shorebirds, which usually happens in the spring and early summer, the section of beach will stay closed until mid-July at the earliest or until the birds learn to fly. Turtle nests usually hatch from late-July until late-October. The park monitors the nests and provides weekly updates on which sections of beach are open or closed.

All the areas in blue would be open for pedestrians only. The light blue areas are resource areas designated to support protected birds. Similar to the green areas, if birds nest in these areas, the areas may close to pedestrians during parts of the spring and summer.

We are here [POINT TO MAP].

[WE ARE ASKING ABOUT THIS TRIP ONLY, SO THE MAPS REPRESENT WHAT THE BEACH WOULD LOOK LIKE RIGHT NOW]

QxQ - If people want to know if the beach would be closed all year, tell them that we are only asking about this trip, we are not asking about trips later in the year.

< IF { AffectedA } = "1" or { AffectedA } = "3" then goto D11c >

[Skip to question D11c if area where respondent is standing would be affected by the plan.]

D10

D10

During this season, the plan does not affect management of the area where we are currently standing. It would affect the light blue areas, which would be closed to vehicles even if there were no nests. It would also affect the dark green areas on Ocracoke, which would be open to vehicles during this season if there were no nests.

If the plan on this map had been in place *before* you made any plans or reservations for this trip and before you put down any money on deposits, how likely is it that you would still have taken this trip? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- 1 VERY LIKELY
 2 SOMEWHAT LIKELY
 3 SOMEWHAT UNLIKELY
 4 VERY UNLIKELY
 -9 DON'T KNOW
 -7 REFUSE

< IF {D10} = "3" or {D10} = "4" then goto D11 >

D11B**D11**

What do you think you most likely would have done instead? Would you go to another part of the Outer Banks, go to a different beach in North Carolina, go to a different beach outside North Carolina, go somewhere else-but not an ocean beach, or stay home?

- 1 GO TO ANOTHER PART OF THE OUTER BANKS
 2 GO TO A DIFFERENT BEACH IN NORTH CAROLINA
 3 GO TO A DIFFERENT BEACH OUTSIDE NORTH CAROLINA
 4 GO SOMEWHERE ELSE, BUT NOT AN OCEAN BEACH
 5 STAY HOME
 -9 DON'T KNOW
 -7 REFUSE

D11B**D11B**

Under this plan, when no protected birds or turtles are nesting all the areas in blue would be closed to vehicles all year and all the areas in green would be open to vehicles all year. Do you think you would have taken more trips to Cape Hatteras National Seashore, fewer trips or the same number ["as you plan to" **OR** "than you took"] in 2009?

- 1 I WOULD HAVE TAKEN MORE TRIPS
 2 I WOULD HAVE TAKEN THE SAME NUMBER
 3 I WOULD HAVE TAKEN FEWER TRIPS
 -9 DON'T KNOW
 -7 REFUSE

D12C

D11C

The plan affects the area where we are currently standing – {D10Fill: “It would be closed to vehicles” **OR** “It would be open to vehicles”}. If the plan on this map had been in place *before* you made any plans or reservations and before you put down any money on deposits for this trip, how likely would you still have taken this trip? Would you say very likely, somewhat likely, somewhat unlikely, or very unlikely?

- 1 VERY LIKELY
 2 SOMEWHAT LIKELY
 3 SOMEWHAT UNLIKELY
 4 VERY UNLIKELY
 -9 DON'T KNOW
 -7 REFUSE

< IF {D11c} = "3" or {D11c} = "4" then goto D12 >

D12B**D12**

What do you think you most likely would have done instead? Would you go to another part of the Outer Banks, go to a different beach in North Carolina, go to a different beach outside North Carolina, go somewhere else-but not an ocean beach, or stay home?

- 1 GO TO ANOTHER PART OF THE OUTER BANKS
 2 GO TO A DIFFERENT BEACH IN NORTH CAROLINA
 3 GO TO A DIFFERENT BEACH OUTSIDE NORTH CAROLINA
 4 GO SOMEWHERE ELSE, BUT NOT AN OCEAN BEACH
 5 STAY HOME
 -9 DON'T KNOW
 -7 REFUSE

D12b**D12b**

Under this plan, when no protected birds or turtles are nesting all the areas in blue would be closed to vehicles all year and all the areas in green would be open to vehicles all year. Do you think you would have taken more trips to Cape Hatteras National Seashore, fewer trips or the same number [“as you plan to” **OR** “than you took”] in 2009?

- 1 I WOULD HAVE TAKEN MORE TRIPS
 2 I WOULD HAVE TAKEN THE SAME NUMBER
 3 I WOULD HAVE TAKEN FEWER TRIPS
 -9 DON'T KNOW
 -7 REFUSE

D12c

D12C

Now I would like to ask you about a different plan. [show map] The purple areas will be managed as they are under the current rules. They would close in mid-March and open up to pedestrians and vehicles on August 1 or 2 weeks after the last birds learn how to fly, which ever is later. But under the new plan the park would work to maintain more pedestrian and vehicle access to these areas than there is currently by building pedestrian trails and vehicle corridors, building new vehicle access ramps and allowing water taxis to service inaccessible areas.

If the areas in purple were open for pedestrian and vehicle access more days during the spring, summer, and fall, would you have made more trips to Cape Hatteras National Seashore during 2009?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D13Adults**D13Adults**

Now we have a few questions about your current trip.

How many adults 18 and over you are with you on this trip today?

[FOR DON'T KNOW, ENTER -9
 FOR REFUSED, ENTER -7]

____ <INTEGER, 2 DIGITS, RANGE: 00 – 99, -7, -9>

D13Children**D13Children**

How many children are with you on this trip today?

[PEOPLE 17 AND UNDER ARE CONSIDERED CHILDREN
 FOR DON'T KNOW, ENTER -9
 FOR REFUSED, ENTER -7]

____ <INTEGER, 2 DIGITS, RANGE: 00 – 99, -7, -9>

D14a**D14a**

What other parts of the National Seashore have you visited between the start of 2007 and now?

Area north of Oregon Inlet and vehicle ramp 4?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14b

D14b

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

The point of Oregon Inlet (south of vehicle ramp 4)?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14c**D14c**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Rodanthe to Buxton?

[PRONOUNCED "ROW DAN THEE"]

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14d**D14d**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Ocean side of Hatteras Island *north* of the Cape Hatteras Lighthouse to Buxton?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14e**D14e**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Ocean side of Hatteras Island *south* of the Cape Hatteras Lighthouse to Cape Point?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14f

D14f

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Cape Point area?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14g**D14g**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

South Beach to last vehicle access ramp on Hatteras Island (ramp 55)?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14h**D14h**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Hatteras Inlet at the end of Hatteras Island?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14i**D14i**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

North Ocracoke Spit, which is the south side of Hatteras Inlet on Ocracoke Island?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14j

D14j

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Ocracoke from vehicle ramp 59 south to vehicle ramp 72?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14k**D14k**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Ramp 72 to South Point at the end of Ocracoke Island?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14l**D14l**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

The Sound side of Cape Hatteras?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D14m**D14m**

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

Other

- 1 YES < if {D14m} = "1" then goto D14Specify >
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15a

D14Specify

(What other parts of the National Seashore have you visited between the start of 2007 and now?)

[SPECIFY OTHER PARTS OF THE NATIONAL SEASHORE YOU HAVE VISITED SINCE THE START OF 2007 AND NOW]

<TEXT >

D15a**D15a**

What activities have you done today, or do you plan to do today, in Cape Hatteras National Seashore?

Pier fishing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15b**D15b**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Beach fishing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15c**D15c**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Charter (offshore) fishing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15d

D15d

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Swimming, sunbathing, or enjoying the beach?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15e**D15e**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Surfing or kite-surfing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15f**D15f**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Birdwatching/wildlife-viewing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15g**D15g**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Take a ferry?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15h

D15h

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Visit the Cape Hatteras Lighthouse or Bodie Island Lighthouse?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15i**D15i**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Visit historic sites in Cape Hatteras National Seashore?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15j**D15j**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Canoeing, kayaking, or sailing?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15k**D15k**

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Driving on the beach during the day?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15l

D15l

(What activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

Driving on the beach at night after 10pm?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D15m**D15m**

Are there any other activities that you have done today or that you plan to do today in Cape Hatteras National Seashore?

- 1 YES <IF {D15m} = "1" then goto D15Specify>
 2 NO
 -9 DON'T KNOW
 -7 REFUSE
 < set {ActivitySpecify} = " ">

D15Specify**D15Specify**

(What other beach\recreational activities have you done today or do you plan to do today in Cape Hatteras National Seashore?)

[SPECIFY OTHER BEACH\RECREATIONAL ACTIVITIES]

<TEXT set {ActivitySpecify} = {D15Specify} >

D15n

D15n

Of the activities you just mentioned, what is your primary activity for *this* trip?

- 1 PIER FISHING
 2 BEACH FISHING
 3 CHARTER (OFFSHORE) FISHING
 4 SWIMMING, SUNBATHING, OR ENJOYING THE BEACH
 5 SURFING OR KITE-SURFING
 6 BIRDWATCHING/WILDLIFE-VIEWING
 7 TAKE A FERRY
 8 VISIT THE CAPE HATTERAS LIGHTHOUSE OR BODIE ISLAND LIGHTHOUSE
 9 VISIT HISTORIC SITES IN CAPE HATTERAS NATIONAL SEASHORE
 10 CANOEING, KAYAKING, OR SAILING
 11 DRIVING ON THE BEACH DURING THE DAY
 12 DRIVING ON THE BEACH AT NIGHT AFTER 10 PM
 99 OTHER - {ActivitySpecify}
 -9 DON'T KNOW
 -7 REFUSE

D16a**D16a**

How many hours do you plan to spend on the beach today?

[USE DECIMALS TO ENTER PARTIAL HOURS
 .75 = 45 MINUTES, .50 = 30 MINUTES, .25 = 15 MINUTES
 FOR DON'T KNOW, ENTER -9
 FOR REFUSED, ENTER -7]

<DECIMAL 0 – 24, -7, -9>

D16b**D16b**

As part of new proposals for managing beach driving, the park may institute a permit system for beach driving. Drivers could purchase a 12-month permit for {CostFill: \$10 **OR** \$25 **OR** \$100}. The money collected from the permits would be used to manage beach driving. If required for beach driving, would you have paid {CostFill: \$10 **OR** \$25 **OR** \$100} to buy a 12-month permit for this trip?

- 1 YES
 2 NO
 -9 DON'T KNOW
 -7 REFUSE

D17a

D17a

Have you made trips to any other ocean beaches in North Carolina, south of Ocracoke Island in the last 12 months?

- 1 YES
2 NO
-9 DON'T KNOW
-7 REFUSE

D17b**D17b**

Have you made trips to any other ocean beaches anywhere in the U.S. in the last 12 months?

- 1 YES < IF {D17b} = "1" then goto D18>
2 NO
-9 DON'T KNOW
-7 REFUSE

D19

D18

Which other states did you visit for beach trips in the last 12 months?

- 1 ALABAMA
 2 ALASKA
 4 CALIFORNIA
 8 CONNECTICUT
 16 DELAWARE
 32 FLORIDA
 64 GEORGIA
 128 HAWAII
 256 LOUISIANA
 512 MAINE
 1024 MARYLAND
 2048 MASSACHUSETTS
 4096 MISSISSIPPI
 8192 NEW JERSEY
 16384 NEW HAMPSHIRE
 32768 NEW YORK
 65536 OREGON
 131072 PENNSYLVANIA
 262144 RHODE ISLAND
 524288 SOUTH CAROLINA
 1048576 TEXAS
 2097152 VIRGINIA
 4194304 WASHINGTON
 8388608 DON'T KNOW
 16777216 REFUSED
 33554432 NONE OF THE ABOVE

<ATA question type>

D19**D19**

Do you own a business on the Outer Banks?

- 1 YES
 2 NO <IF {D19} = 2 THEN SKIP TO D21>
 -9 DON'T KNOW
 -7 REFUSE

D21

D20

What type of business do you own on the Outer Banks?

- 1 LODGING (HOTELS, BED AND BREAKFAST, ETC.)
 2 REALTY/HOUSING RENTALS
 3 RETAIL (RECREATION SUPPLIES, GIFT SHOPS, CLOTHING GROCERY STORES, ETC.)
 4 RESTAURANTS/SNACK BARS, ETC.
 5 SERVICES (RESIDENTIAL, COMMERCIAL, CONSULTING, ETC.)
 6 RECREATION (MARINAS, CHARTER BOATS, PARASAILING, KAYAK TOURS)
 7 COMMERCIAL FISHING
 99 OTHER <IF D20 = 99 THEN GOTO D20Specify>
 -9 DON'T KNOW
 -7 REFUSED

< ATextFSize=(07,10)>

D23**D20Specify**

(What type of business do you own on the Outer Banks?)

[SPECIFY OTHER TYPE OF BUSINESS OWNED ON THE OUTER BANKS]

<TEXT>

D23**D21**

Are you currently working either full- or part-time?

- 1 YES
 2 NO <IF {D21} = 2 THEN SKIP TO D23>
 -9 DON'T KNOW
 -7 REFUSE

D23

D22

What type of business(es) do you work for?

- 1 LODGING (HOTELS, BED AND BREAKFAST, ETC.)
 2 REALTY/HOUSING RENTALS
 3 RETAIL (RECREATION SUPPLIES, GIFT SHOPS, CLOTHING GROCERY STORES, ETC.)
 4 RESTAURANTS/SNACK BARS, ETC.
 5 SERVICES (RESIDENTIAL, COMMERCIAL, CONSULTING, ETC.)
 6 RECREATION (MARINAS, CHARTER BOATS, PARASAILING, KAYAK TOURS)
 7 COMMERCIAL FISHING
 8 NPS EMPLOYEE
 9 OTHER GOVERNMENT EMPLOYEE
 99 OTHER < IF {D22} = "99" then goto D22Specify; >
 -9 DON'T KNOW
 -7 REFUSED

< ATextFSize=(07,10)>

D23**D22Specify**

(What type of business(es) do you work for?)

[SPECIFY OTHER TYPE OF BUSINESS YOU WORK FOR]

<TEXT>

D23**D23**

How would you rate this trip so far? Would you say it is very good, good, average, poor, or very poor?

- 1 VERY GOOD
 2 GOOD
 3 AVERAGE
 4 POOR
 5 VERY POOR
 -9 DON'T KNOW
 -7 REFUSED

D24**D24**

Thank you. We're finished with the interview. Is there anything else you would like to add?

<TEXT >

E01

END INDIVIDUAL QUESTIONNAIRE	
E01	
Thank you for your time and enjoy the rest of your day.	E02
E02	
[RECORD ANY NOTES ABOUT INTERVIEW:]	PostComp
PostComp	
< set {IntEnd}=now(); OutputVars(IntStart,IntEnd); If {IntroA01} = "1" then GOTO Post003>	Post002
Post002	
[ENTER NUMBER IN GROUP]	
<INTEGER, RANGE 01-99>	Post003
Post003	
[CHILDREN PRESENT?]	
1 <input type="checkbox"/> YES	
2 <input type="checkbox"/> NO	Post004
Post004	
[FISHING?]	
1 <input type="checkbox"/> YES	
2 <input type="checkbox"/> NO	Post005
Post005	
[NEAR A VEHICLE?]	
1 <input type="checkbox"/> YES	
2 <input type="checkbox"/> NO	CodeEvents

CodeEvents

```
<If {IntroA01} = "1" then set {EventCode} = "200";  
If {IntroA01} = "1" then set {EventComment} = "Complete";  
If {IntroA01} = "2" then set {EventCode} = "201";  
If {IntroA01} = "2" then set {EventComment} = "Completed Refusal Questions";  
call Code_Event;>
```

End**End**

DERIVED\IMPORTED\COMPUTED FIELDS
These records are stored in the questions table of the database so that derived and imported fields are output with the analysis file.
SegSize < INTEGER >
Interval < INTEGER >
Rnum < NUM >
RandStart < INTEGER >
AffectedA < INTEGER >
AffectedB < INTEGER >
SegmentName < TEXT >
IntStart < TEXT >
CurrentMonth < INTEGER >
CostFill < TEST >
RANDVERSION < INTEGER >
PARM3 < INTEGER >
PARM4 < INTEGER >
IntEnd < TEXT >