

*North Carolina Coastal Reserve Program Site Survey
Summary Report*

*Prepared for
The North Carolina Division of Coastal Management*

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Introduction

The North Carolina Coastal Reserve and the North Carolina National Estuarine Research Reserve (jointly, the Reserves) are organizations managing the base habitats for coastal research and education. As such, their missions are fundamentally different from those of State Parks, the Wildlife Resources Commission, and other land management entities. Visitor use impacts on research reserves can fundamentally affect the very reasons for which the properties were set aside.

In order to more fully understand the character of visitor use on the Reserves, a study was conducted in the summer of 2007. Funded by the Reserves, the effort used data gathered by staff, interns and a host of volunteers. The purpose of the study was to identify visitor use at selected reserve sites.

Methodology

Face-to-face interviews were conducted at four reserve sites: Rachel Carson, Currituck Banks, Masonboro Island, and Bird Island. For additional information on these sites, see: <http://www.ncnerr.org/>. Standard survey instruments (Appendix A) were administered at various times of the day and week according to a unified sampling protocol. Results were collected, duplicated, and sent to UNCW for data entry and analysis.

Sampling Protocol

The target sample size range was 400 – 600 valid survey responses, in total, from the four survey sites. This sample size would provide the power necessary for statistical inference. Ideally, a minimum of 100 – 150 surveys was to be collected from each of the four sites. While these sub-samples were not large enough to allow significant inferences to be drawn, the data gathered would provide managers with qualitative information about use at the individual components.

Collection of surveys alternated between weekdays and weekends throughout the collection period. Five to eight surveys were to be collected at each site per week. Additionally, the hours at which surveys were collected varied in order to insure a more complete representation of reserve users. Surveys were collected from 25 May 2007 through 28 October 2007 at designated access points determined by the individual site managers for each included reserve site. The objective was a minimum of five to eight surveys collected at each site per week.

Respondents were only allowed to complete the instrument once. Copies of all data were retained at the individual reserves. Prior to administering the instrument, surveyors were instructed in a standard, written survey administration protocol (see Appendices B and C). Surveyors administered the responses to each other, in pairs as part of the training. Feedback was incorporated into the final survey instrument. It was decided in discussions with the interviewers that response rates might be increased by using signs alerting users that a survey was underway. Use of the signs was more appropriate at some locations and yielded mixed results where used.

Sampling Locations

It is important to note that the entire sites were not canvassed. The population sampled is constrained by this fact, however the purpose of the study was to characterize visitor use at those sites of interest to the individual site managers. The objective was not to characterize use for the sites *in toto*.

Surveys were conducted on Masonboro Island at the northern end of the island. In particular, surveys were concentrated in areas that were easily accessible by motorboat. The “visitor survey signs” were not used at this site. Respondents were approached instead. At Bird Island surveys were conducted at a single access point, at the end of the reserve closest to Sunset Beach, where the overwhelming majority of users enter the site. Surveys were collected at two locations at the Currituck Banks site: the boardwalk and the 4-wheel drive beach area.

At the former Currituck Banks location, surveys were collected at the entrance gates. On the beach, surveyors walked to individual cars and asked if the occupants would be willing to take the survey. Administration of the instrument was somewhat unusual at Rachel Carson. As the site is only accessible by boat and the number of potential landings is numerous and well-dispersed, centralized locations were not used in gathering data. An effort was made to insure that the commercial vendor drop-off sites were well represented.

Observations

This information in this section is summarized from the intern experience summaries and is purely anecdotal. It is included in the spirit of adaptive management. The reserves were fortunate to have had exceptional interns and their observations are worth noting.

Data collection was generally considered a success. Staffing issues at the some sites resulted in a larger number of surveys collected in the early part of the summer and some concerns at the end of the survey period. However the overall survey targets were accomplished. Weather also prohibited the survey schedule from completely matching the suggested parameters.

Several of the interns expressed that the project was a learning experience for them. They were able to overcome the fear of speaking professionally to strangers. All interviewers had difficulty asking some of the demographic questions, especially the question related to annual income.

Interviewers listed several questions they thought could be improved. Unfortunately these suggestions were not received until after the surveys were completed. The Currituck Banks intern suggested providing some token, such as a pencil or sticker to respondents, in order to further make them aware of who manages the sites and to gain greater enthusiasm for the survey.

According to the interns working out of the Southern Sites Office (administering Masonboro Island and Bird Island), Masonboro was more time consuming to canvas, due to it having multiple access points to cover. The data from Bird Island may under-represent runners and cyclists due to their unwillingness to stop and be surveyed, despite signs announcing the survey.

The majority of visitors to the Currituck Banks boardwalk were first-time users. Most of the use at this location occurred in the early morning. Those using the beach at Currituck Banks used the location regularly. According to survey respondents, trash is one of the most significant management problems on Rachel Carson. Respondents there suggested placing trashcans around the site.

Finally, the results of the questions pertaining to site ownership and management are probably inflated due to the necessity of staff wearing uniforms on site. Some respondents looked at the logos on interviewers' shirts prior to answering the questions.

Findings

General

Across respondents from all sampled sites, there appears to be a general lack of knowledge as to who owns and manages the sites. Nonetheless, users appear to be satisfied with current conditions and support additional enforcement should conditions deteriorate.

- Site fidelity appears to be very high: Almost twice as many users are repeat visitors (65.7%) with most primarily visiting the site at which they were surveyed. Nearly half of all users have been visiting the reserve site at which they were interviewed for more than 10 years (45.6%). Most continue to recreate in the same location over time (88.6%).
- Users are satisfied with current conditions: The majority of users believe the environmental conditions at the reserve site at which they were surveyed have remained the same (62.0%) and that recreational use is not negatively changing the character of the site (59.1%). Of those on-site problems which users did identify, no single issue dominates. Only a small minority of users (17.9%) bring dogs to the site with them. However, of those who do bring dogs, the majority (62.0%) do not always keep them on a leash.
- Users are satisfied with current management: The majority of users believe the site at which they were interviewed is properly managed (79.3%) and do not currently believe that there should be increased enforcement of current regulations (52.5%). Fewer than 3% of users believe that there are too many rules and regulations that govern what can be done on site. However, there is overwhelming support for increased regulation should recreational activities threaten the site (81%).
- Users are unfamiliar with ownership and jurisdiction: Just over half (53.9%) of all users were aware that the state owns the reserve site of interview. However, the majority of users (66.3%) had not previously heard of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program. Additionally, the majority of users (83.3%) were not familiar with the mission statement of the program.

- Users are typically well-educated: The majority of users (63.9%) have attained a bachelors degree or higher, with the majority (62.1%) who responded earning more than \$75,000 in annual household income.

Site-Specific

Nota Bene: Caution should be used in interpreting the data from the individual reserve sites, as the number of respondents may limit the statistical significance of the results. The data represented by this study are intended to be representative of the four reserve sites as a whole, rather than individual units. Therefore, extreme caution should be used when interpreting data at the reserve unit level.

- Respondent homogeneity across sites: Survey respondents appear to have similar perceptions across the reserve sites as a whole. However, certain site-specific trends do exist, although they are anecdotal given the sample size for each reserve.
- Site fidelity: While the majority of survey respondents at Bird Island Coastal Reserve Masonboro Island National Estuarine Research Reserve and Rachel Carson National Estuarine Research Reserve appear to be primarily repeat users, those respondents at Currituck Banks National Estuarine Research Reserve appear to be primarily new users.
- Satisfaction with conditions: Survey respondents at Bird Island Coastal Reserve and Masonboro Island National Estuarine Research Reserve were more likely to believe that recreational use is changing the character of the site than those respondents at Rachel Carson National Estuarine Research Reserve and Currituck Banks National Estuarine Research Reserve.
- Dogs on leashes: Although most respondents do not bring dogs to the reserve sites as a whole, those respondents who visited Masonboro Island National Estuarine Research Reserve and Rachel Carson National Estuarine Research Reserve were more likely not to keep their dogs on leash.
- Support for increased enforcement: Survey respondents at Bird Island Coastal Reserve were more inclined to support increased enforcement of regulations than those at Masonboro Island National Estuarine Research Reserve, Currituck Banks National Estuarine Research Reserve or Rachel Carson National Estuarine Research Reserve.
- Familiarity with ownership and jurisdiction : Survey respondents at Currituck Banks National Estuarine Research Reserve were less likely to have heard of North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program than those at other reserve sites.

Recommendations

The staffing issues experienced in the administration of this survey indicate the need for additional personnel hours at each of the sites. The use of interns for data collection greatly assisted in the quality of this research. But interns are limited to the school schedule, and this research, like much of that which occurs on coastal ecosystems, is not.

Better communication would have improved this endeavor. Comments from field personnel were not forthcoming while the survey was taking place. Additionally, issues experienced at one site were not relayed to the other sites for discussion. These issues could have been addressed by appointment of an overall survey coordinator in the Reserves, but personnel were limited.

Despite the fact that nearly 2/3 of visitors to the Reserves are repeat users and that nearly half of users have been using the sites for almost 10 years, only about 17 percent were conversant in the Reserve mission. Outreach needs to be expanded not only to make the public aware of what the reserve is, but also of its mission.

As the number of visitors using the sites increases, use impacts will multiply. It would be in the Reserves' best interests to have the majority of users know the mission of the system. Most of the Reserve users are educated and fairly affluent. Knowledge of these characteristics should prove useful in targeting outreach activities. One intern recommended insuring that the survey be repeated in coming years to assess the impacts of outreach programs when they are implemented. We concur with this recommendation, especially following any management changes.

Signage on the sites needs to be increased, reminding visitors of their responsibilities and why they are important. The issue of free-ranging dogs needs to be specifically addressed. Dogs off leashes make some visitors extremely uncomfortable and have the impact to dramatically undermine management and research efforts on the sites. Dogs running through bird nesting areas can drastically reduce chick survival during the summer. Given the site fidelity of visitors, placement of signs to achieve maximum attention should be fairly easy.

A proactive stance should be adopted regarding regulations pertaining to visitor use on the sites. While few respondents feel that increased enforcement is currently necessary, a majority favor increasing regulation should site conditions deteriorate. A formal means of assessing site conditions should be established at each site. Furthermore, regular discussions among site managers should be instituted to review how impacts are changing and what regulatory options are available at various administrative levels.

Given the public's perception of visitor use impact at both Masonboro and Bird Island, both of which are heavily used in the summer, an assessment of the number of users at the sites could provide some indication of how use pressure is distributed among the various sites. Such a study, conducted longitudinally, could also indicate growth in visitor use on the Reserves.

Additionally, expansion of the protocol to include all sites in the Reserves would ensure reliability of the data across all sites. Inclusion of additional surveys at specific sites would add statistical validity to site-specific findings.

Finally, comparing the findings of this survey with the perceptions of site managers would prove very useful. While the public may be comfortable with the present state of the sites, they are not aware of the mission of the Reserves. Comparing public perceptions with management perceptions would provide information that could inform outreach.

Appendix A: Survey Form

North Carolina Coastal Reserve Program Site Survey

Name of Interviewer: _____

Date of Interview: _____ Time of Interview: _____

READ TO RESPONDANT: Hello, I'm *your name* from the North Carolina Department of Environment and Natural Resources and we are conducting a survey of visitors to the North Carolina Coastal Reserve/North Carolina National Estuarine Research Reserve (whichever is appropriate) sites. The purpose of the survey is to assist Reserve Program managers in protecting Reserve sites. Your participation in this survey is entirely voluntary and will likely take less than 8 minutes. You may terminate this interview at any time. All answers will be kept confidential.

Q0 Have you completed this survey about the North Carolina Coastal Reserve/North Carolina National Estuarine Research Reserve (whichever is appropriate) Program before?

- _____ Yes (Thank them and terminate the interview)
- _____ No

Q1 Would you be willing to answer a few questions?

- _____ Yes
- _____ No (Thank them and terminate the interview. Be sure to mark responses to Q29 – Q31 as well)

Q2 In what year were you born? _____ Year (If under the age of 18, born 1988 or later, thank the individual and terminate the interview. Be sure to mark responses to Q29 – Q 31 as well)

Q3 How many individuals are in your group/party today? _____ people

Q4 At what location did you enter the reserve site today? (Show them the attached map and have them identify the location on the attached map. You may assist if needed. Mark with a “4”)

Q5 What means of transportation did you use to get to this site today?

- | | |
|------------------------------------|-------------------------|
| _____ ATV | _____ Personal vehicle |
| _____ Bicycle | _____ Sailboard |
| _____ Canoe | _____ Sailboat |
| _____ Electric-powered boat | _____ Surfboard |
| _____ Gasoline-powered boat | _____ Swimming |
| _____ Jet ski/PWC | _____ Tour/charter boat |
| _____ Kayak | _____ Walked |
| _____ Motorcycle | |
| _____ Other (please specify) _____ | |

Q6 Where do you plan to visit on this site today? (Show them the attached map and have them identify the location or locations where they will recreate/visit today. You may assist if needed. Mark with a “6”)

Q7 Have you visited this site before today?

- _____ Yes
- _____ No → go to **Q15**

- Q8** Is this location where you normally come for recreation or to visit this site?
 _____ Yes→ go to **Q10**
 _____ No
- Q9** Where do you normally come for recreation or to visit this site? (Show them the attached map and have them identify the location or locations where they normally recreate/visit on this site. You may assist if needed. Mark with a “9”)
- Q10** For how many years have you visited this site?
 _____ This is my first year
 _____ 2 to 4 years
 _____ 5 to 7 years
 _____ 8 to 10 years
 _____ More than 10 years
- Q11** How many times per year do you normally visit this site?
 _____ 1 – 10 visits per year
 _____ 11 – 20 visits per year
 _____ 21 – 30 visits per year
 _____ 31 – 40 visits per year
 _____ 40 – 50 visits per year
 _____ More than 50 times per year
- Q12** In your opinion, are the environmental conditions (including litter, water conditions, beach conditions, scenic resources, crowding, etc.) on this site:
 _____ Getting better
 _____ Staying the same
 _____ Getting worse
- Q13** Please state whether you agree, disagree or don't know regarding the following statements:
- Q13a** There are too many rules and regulations that govern what I can do on this site.
 _____ Agree _____ Disagree _____ Don't know
- Q13b** Increased recreational use is negatively changing the character of this site.
 _____ Agree _____ Disagree _____ Don't know
- Q13c** I would support limiting uses that threaten this site.
 _____ Agree _____ Disagree _____ Don't know
- Q13d** This site is managed properly.
 _____ Agree _____ Disagree _____ Don't know
- Q13e** I think there should be increased enforcement of regulations on this site.
 _____ Agree _____ Disagree _____ Don't know
- Q14** What is the ONE MOST serious management problem on this site today? _____

- Q15** What activities do you plan to participate in while you are on this site today? (Check all responses)
- | | |
|-------------------------------------|----------------------------|
| _____ Boating | _____ Shelling |
| _____ Camping | _____ Sunbathing |
| _____ Fishing | _____ Surfing |
| _____ Hunting | _____ Swimming |
| _____ Jet skiing/PWC | _____ Volleyball |
| _____ Kite flying | _____ Walking/hiking |
| _____ Picnicking | _____ Wildlife observation |
| _____ Sailing | |
| _____ Others (please specify) _____ | |

Q16 Who owns this site? _____

Q17 Who manages this site? _____

Q18 Prior to this survey, had you ever heard of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

_____ Yes

_____ No → go to **Q23**

Q19 Is this site a part of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

_____ Yes

_____ No

_____ Don't know

Q20 Do you know the mission of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

_____ Yes

_____ No → go to **Q22**

Q21 Please explain the mission of the North Carolina National Estuarine Research Reserve Program OR North Carolina Coastal Reserve Program in your own words. (Ask whichever is appropriate)

Q22 Apart from this site, which other North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve sites do you visit?

_____ Bald Head Woods Coastal Reserve

_____ Kitty Hawk Woods Coastal Reserve

_____ Bird Island Coastal Reserve

_____ Masonboro Island NERR

_____ Buckridge Coastal Reserve

_____ Permuda Island Coastal Reserve

_____ Buxton Woods Coastal Reserve

_____ Rachel Carson NERR

_____ Currituck Banks NERR

_____ Zeke's Island NERR

_____ Other response (please specify) _____

_____ Other response (please specify) _____

Q23_1 Apart from this site, have you visited any of the following locations?

_____ Bald Head Woods Coastal Reserve

_____ Kitty Hawk Woods Coastal Reserve

_____ Bird Island Coastal Reserve

_____ Masonboro Island NERR

_____ Buckridge Coastal Reserve

_____ Permuda Island Coastal Reserve

_____ Buxton Woods Coastal Reserve

_____ Rachel Carson NERR

_____ Currituck Banks NERR

_____ Zeke's Island NERR

Q23_2 Do you bring a dog with you when you visit the site?

_____ Yes

_____ No → go to **Q25**

Q24 Do you always keep the dog on a leash?

_____ Yes

_____ No

Q25 What is the zip code of your permanent residence? _____

Q26 What is the highest level of education you have completed?

- Less than high school graduate
- High school graduate
- Some college / not a college graduate
- Associate degree / community college graduate
- Bachelors degree / college graduate
- Masters degree
- PhD degree
- Law school graduate
- Medical school graduate

Q27 What is your occupation? _____

If retired, ask what their occupation was _____

Q28 As close as you can recall, what is your household's total annual income before taxes? Is it \$25 thousand dollars or less; between \$25,001 and \$50,000; between \$50,001, and \$75,000; between \$75,001 and \$100,000; or more than \$100,000?

- \$25,000 or less
- Between \$25,001 and \$50,000
- Between \$50,001 and \$75,000
- Between \$75,001 and \$100,000
- More than \$100,000

This concludes our interview. Thank you very much for participating!

Post-interview questions

q29 Respondent gender:

- Male
- Female

q30 Respondent race:

- | | |
|---|---|
| <input type="checkbox"/> White (non-Hispanic/Latino) | <input type="checkbox"/> Black/African American |
| <input type="checkbox"/> Hispanic/Latino | <input type="checkbox"/> Asian/Pacific Islander |
| <input type="checkbox"/> American Indian/Alaskan Native | <input type="checkbox"/> Other |

q31 Interview site:

- Bird Island Coastal Reserve
- Currituck Banks NERR
- Masonboro Island NERR
- Rachel Carson NERR

Appendix B: Survey Administration Protocol

North Carolina Coastal Reserve Program Survey Administration Protocol

Thank you for agreeing to serve as a survey administrator for the North Carolina Coastal Reserve Program. Your time and efforts are greatly appreciated.

Here are some specific things to remember while administering the survey instrument:

1. Be totally knowledgeable about the survey. This will only come with you practicing administration of the survey.
2. Ask each question exactly as it appears on the survey instrument. Do not elaborate or read the potential answers to the respondent.
3. Record all answers, including non-answers and those questions the respondent refuses to answer.
4. If the respondent terminates the survey before completion (**Q28**), be sure to still complete **Q29-31**.
5. Review each completed survey for legibility immediately after administration.
6. Be presentable and dress appropriately while administering the survey—wear the shirt or uniform supplied to you.
7. You will be interviewing individuals at designated access sites. All individuals of majority age on-site are appropriate for interviewing. Do not repeat individuals.
8. Always be positive, respectful and helpful. If someone refuses to respond to the survey be sure to thank them. Be certain to mark **Q1** and **Q29-31** on the survey sheet if the respondent refuses to complete the survey.
9. At the end of each completed interview session be sure to thank the respondent.
10. Bring water, a snack and sunscreen with you to the site.
11. Make a note of any question that respondents consistently request to be clarified or explained and notify your site supervisor.
12. Submit all completed survey instruments to your site supervisor at the end of each survey period.

Appendix C: Sampling Protocol

North Carolina Coastal Reserve Program Sampling Protocol

Thank you for agreeing to serve as a survey administrator for the North Carolina Coastal Reserve Program. Your time and efforts are greatly appreciated.

Here are some specific things to remember while administering the survey instrument:

13. The survey requires a range of 400 - 600 completed surveys collectively from the four sampling sites: Currituck Banks NERR, Rachel Carson NERR, Masonboro Island NERR and Bird Island CR. Ideally, a minimum of 100 - 150 completed surveys will be gathered from each site.
14. The sampling timeframe is May 26, 2007 (Memorial Day weekend) to October 28, 2007.
15. At a minimum, five to eight surveys should be completed each week during the sampling timeframe at each survey site.
16. Sampling should be done on an alternate collection schedule: one week data should be collected on weekends, and the next week the data should be collected during the week days. Be certain not to schedule the sampling on the same weekend day and the same weekday day. Alternate the days so surveys are collected on every possible day and alternate the hours of collection so surveys are collected during every possible time period (morning, noon, afternoon and evening hours).
17. Respondents will be interviewed at designated primary access sites. Each site manager will determine the area(s) of the reserve which would serve as primary access sites for visitors.
18. All individuals of majority age on-site are appropriate for interviewing.
19. Each respondent can complete a survey only once.
20. At the end of each month, beginning in June, managers are responsible for copying the completed surveys and mailing the original survey forms to the researchers at:

Jeffery Hill
University of North Carolina Wilmington
601 S. College Rd.
Wilmington, NC 28403-5949
21. Copies of completed surveys should be retained at each site.
22. If any questions or problems arise, please contact the researchers at:

Bob Buerger
(910)962-3259
buergerb@uncw.edu

Appendix D: Survey Form Keyed for Dataset

North Carolina Coastal Reserve Program Site Survey

Name of Interviewer: **interviewer** _____

Date of Interview: **date** _____ Time of Interview: **starttime** (convert to 24 hour) _____

READ TO RESPONDANT: Hello, I'm your name from the North Carolina Department of Environment and Natural Resources and we are conducting a survey of visitors to the North Carolina Coastal Reserve/North Carolina National Estuarine Research Reserve (whichever is appropriate) sites. The purpose of the survey is to assist Reserve Program managers in protecting Reserve sites. Your participation in this survey is entirely voluntary and will likely take less than 8 minutes. You may terminate this interview at any time. All answers will be kept confidential.

q0 Have you completed this survey about the North Carolina Coastal Reserve/North Carolina National Estuarine Research Reserve (whichever is appropriate) Program before?

_____ Yes (Thank them and terminate the interview)

_____ No

q1 Would you be willing to answer a few questions?

_____ Yes

_____ No (Thank them and terminate the interview. Be sure to mark responses to q29 – q31 as well)

q2 In what year were you born? _____ Year (If under the age of 18, born 1988 or later, thank the individual and terminate the interview. Be sure to mark responses to q29 – q31 as well)

q3 How many individuals are in your group/party today? _____ people

On map

q4 At what location did you enter the reserve site today? (Show them the attached map and have them identify the location on the attached map. You may assist if needed. Mark with a “4”)

q5 What means of transportation did you use to get to this site today?

_____ ATV

_____ Personal vehicle

_____ Bicycle

_____ Sailboard

_____ Canoe

_____ Sailboat

_____ Electric-powered boat

_____ Surfboard

_____ Gasoline-powered boat

_____ Swimming

_____ Jet ski/PWC

_____ Tour/charter boat

_____ Kayak

_____ Walked

_____ Motorcycle

_____ Other (please specify) **q5_other_desc** _____

On map

q6 Where do you plan to visit on this site today? (Show them the attached map and have them identify the location or locations where they will recreate/visit today. You may assist if needed. Mark with a “6”)

q7 Have you visited this site before today?

_____ Yes

_____ No → go to **q15**

q8 Is this location where you normally come for recreation or to visit this site?

_____ Yes → go to **q10**

_____ No

On map

q9 Where do you normally come for recreation or to visit this site? (Show them the attached map and have them identify the location or locations where they normally recreate/visit on this site. You may assist if needed. Mark with a “9”)

q10 For how many years have you visited this site?

_____ This is my first year

_____ 8 to 10 years

_____ 2 to 4 years

_____ More than 10 years

_____ 5 to 7 years

q11 How many times per year do you normally visit this site?

_____ 1 – 10 visits per year

_____ 31 – 40 visits per year

_____ 11 – 20 visits per year

_____ 40 – 50 visits per year

_____ 21 – 30 visits per year

_____ More than 50 times per year

q12 In your opinion, are the environmental conditions (including litter, water conditions, beach conditions, scenic resources, crowding, etc.) on this site:

_____ Getting better

_____ Staying the same

_____ Getting worse

q13 Please state whether you agree, disagree or don't know regarding the following statements:

q13a There are too many rules and regulations that govern what I can do on this site.

_____ Agree

_____ Disagree

_____ Don't know

q13b Increased recreational use is negatively changing the character of this site.

_____ Agree

_____ Disagree

_____ Don't know

q13c I would support limiting uses that threaten this site.

_____ Agree

_____ Disagree

_____ Don't know

q13d This site is managed properly.

_____ Agree

_____ Disagree

_____ Don't know

q13e I think there should be increased enforcement of regulations on this site.

_____ Agree

_____ Disagree

_____ Don't know

q14 What is the ONE MOST serious management problem on this site today? _____

q15 What activities do you plan to participate in while you are on this site today? (Check all responses)

q15a ___ Boating

q15i ___ Shelling

q15b ___ Camping

q15j ___ Sunbathing

q15c ___ Fishing

q15k ___ Surfing

q15d ___ Hunting

q15l ___ Swimming

q15e ___ Jet skiing/PWC

q15m ___ Volleyball

q15f ___ Kite flying

q15n ___ Walking/hiking

q15g ___ Picnicking

q15o ___ Wildlife observation

q15h ___ Sailing

q15p ___ Others (please specify) **q15p_desc** _____

q16 Who owns this site? _____

q17 Who manages this site? _____

q18 Prior to this survey, had you ever heard of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

_____ Yes

_____ No → go to **q23**

q19 Is this site a part of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

_____ Yes

_____ No

_____ Don't know

q20 Do you know the mission of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

_____ Yes

_____ No → go to **q22**

q21 Please explain the mission of the North Carolina National Estuarine Research Reserve Program OR North Carolina Coastal Reserve Program in your own words. (Ask whichever is appropriate)

q22 Apart from this site, which other North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve sites do you visit?

q22a ___ Bald Head Woods Coastal Reserve

q22f ___ Kitty Hawk Woods Coastal Reserve

q22b ___ Bird Island Coastal Reserve

q22g ___ Masonboro Island NERR

q22c ___ Buckridge Coastal Reserve

q22h ___ Permuda Island Coastal Reserve

q22d ___ Buxton Woods Coastal Reserve

q22i ___ Rachel Carson NERR

q22e ___ Currituck Banks NERR

q22j ___ Zeke's Island NERR

q22k ___ Other response (please specify) **q22k_desc** _____

q22l ___ Other response (please specify) **q22l_desc** _____

q23_1 Apart from this site, have you visited any of the following locations?

q23_1a ___ Bald Head Woods Coastal Reserve

q23_1f ___ Kitty Hawk Woods Coastal Reserve

q23_1b ___ Bird Island Coastal Reserve

q23_1g ___ Masonboro Island NERR

q23_1c ___ Buckridge Coastal Reserve

q23_1h ___ Permuda Island Coastal Reserve

q23_1d ___ Buxton Woods Coastal Reserve

q23_1i ___ Rachel Carson NERR

q23_1e ___ Currituck Banks NERR

q23_1j ___ Zeke's Island NERR

q23_2 Do you bring a dog with you when you visit the site?

_____ Yes

_____ No → go to **q25**

q24 Do you always keep the dog on a leash?

_____ Yes

_____ No

q25 What is the zip code of your permanent residence? _____

q26 What is the highest level of education you have completed?

- Less than high school graduate
- High school graduate
- Some college / not a college graduate
- Associate degree / community college graduate
- Bachelors degree / college graduate
- Masters degree
- PhD degree
- Law school graduate
- Medical school graduate

q27 What is your occupation? _____

If retired, ask what their occupation was **q27_if_ret** _____

q28 As close as you can recall, what is your household's total annual income before taxes? Is it \$25 thousand dollars or less; between \$25,001 and \$50,000; between \$50,001, and \$75,000; between \$75,001 and \$100,000; or more than \$100,000?

- \$25,000 or less
- Between \$25,001 and \$50,000
- Between \$50,001 and \$75,000
- Between \$75,001 and \$100,000
- More than \$100,000

This concludes our interview. Thank you very much for participating!

Post-interview questions

q29 Respondent gender:

- Male
- Female

q30 Respondent race:

- | | |
|---|---|
| <input type="checkbox"/> White (non-Hispanic/Latino) | <input type="checkbox"/> Black/African American |
| <input type="checkbox"/> Hispanic/Latino | <input type="checkbox"/> Asian/Pacific Islander |
| <input type="checkbox"/> American Indian/Alaskan Native | <input type="checkbox"/> Other |

q31 Interview site:

- Bird Island Coastal Reserve
- Currituck Banks NERR
- Masonboro Island NERR
- Rachel Carson NERR

Appendix E: Survey Data Key

DCM Survey

Variable Information

Variable	Position	Label	Measurement Level	Column Width	Alignment	Print Format	Write Format
survey#	1	Survey number	Scale	6	Right	F3	F3
intervwer	2	Interviewer	Nominal	25	Left	F2	F2
date	3	Interview date	Scale	8	Right	ADATE10	ADATE10
starttime_24hr	4	Interview start time (24 hr)	Scale	10	Right	TIME5	TIME5
q1	5	Willing to answer	Nominal	5	Right	F1	F1
q2	6	Year born	Scale	5	Right	F4	F4
q3	7	Individuals in party	Scale	5	Right	F2	F2
q5	8	Means of transportation	Nominal	20	Right	F2	F2
q5_other_desc	9	Means of transportation: other (description)	Nominal	25	Left	A255	A255
q7	10	Visited before	Scale	5	Right	F1	F1
q8	11	Normal site	Scale	5	Right	F1	F1
q10	12	Years visiting site	Ordinal	15	Right	F1	F1
q11	13	Times per year	Ordinal	15	Right	F1	F1
q12	14	Environmental conditions	Nominal	10	Right	F1	F1
q13a	15	Too many rules	Nominal	10	Right	F1	F1
q13b	16	Changing character	Nominal	10	Right	F1	F1
q13c	17	Limit use	Nominal	10	Right	F1	F1
q13d	18	Properly managed	Nominal	10	Right	F1	F1
q13e	19	Increased enforcement	Nominal	10	Right	F1	F1
q14	20	Most serious problem	Nominal	25	Left	A255	A255

Variable	Position	Label	Measurement Level	Column Width	Alignment	Print Format	Write Format
q15a	21	Activities: Boating	Nominal	5	Right	F1	F1
q15b	22	Activities: Camping	Nominal	5	Right	F1	F1
q15c	23	Activities: Fishing	Nominal	5	Right	F1	F1
q15d	24	Activities: Hunting	Nominal	5	Right	F1	F1
q15e	25	Activities: Jet skiing/PWC	Nominal	5	Right	F1	F1
q15f	26	Activities: Kite flying	Nominal	5	Right	F1	F1
q15g	27	Activities: Picnicking	Nominal	5	Right	F1	F1
q15h	28	Activities: Sailing	Nominal	5	Right	F1	F1
q15i	29	Activities: Shelling	Nominal	5	Right	F1	F1
q15j	30	Activities: Sunbathing	Nominal	5	Right	F1	F1
q15k	31	Activities: Surfing	Nominal	5	Right	F1	F1
q15l	32	Activities: Swimming	Nominal	5	Right	F1	F1
q15m	33	Activities: Volleyball	Nominal	5	Right	F1	F1
q15n	34	Activities: Walking/hiking	Nominal	5	Right	F1	F1
q15o	35	Activities: Wildlife observation	Nominal	5	Right	F1	F1
q15p	36	Activities: Other	Nominal	5	Right	F1	F1
q15p_desc	37	Activities: Other (description)	Nominal	25	Left	A255	A255
q16	38	Who owns site	Nominal	25	Left	A255	A255
q17	39	Who manages site	Nominal	25	Left	A255	A255
q18	40	Heard of NCNERR/NCCRP	Nominal	5	Right	F1	F1

Variable	Position	Label	Measurement Level	Column Width	Alignment	Print Format	Write Format
q19	41	Site part of NCNERR/NCCRP	Nominal	8	Right	F1	F1
q20	42	Know mission of NCNERR/NCCRP	Nominal	5	Right	F1	F1
q21	43	Mission of NCNERR/NCCRP	Nominal	25	Left	A255	A255
q22a	44	Site visit: BHWCR	Nominal	5	Right	F1	F1
q22b	45	Site visit: BICR	Nominal	5	Right	F1	F1
q22c	46	Site visit: BCR	Nominal	5	Right	F1	F1
q22d	47	Site visit: BWCR	Nominal	5	Right	F1	F1
q22e	48	Site visit: CBNERR	Nominal	5	Right	F1	F1
q22f	49	Site visit: KHWCR	Nominal	5	Right	F1	F1
q22g	50	Site visit: MINERR	Nominal	5	Right	F1	F1
q22h	51	Site visit: PICR	Nominal	5	Right	F1	F1
q22i	52	Site visit: RCNERR	Nominal	5	Right	F1	F1
q22j	53	Site visit: ZINERR	Nominal	5	Right	F1	F1
q22k	54	Site visit: Other1	Nominal	5	Right	F1	F1
q22k_desc	55	Site visit: Other1 (description)	Nominal	25	Left	A255	A255
q22l	56	Site visit: Other2	Nominal	5	Right	F1	F1
q22l_desc	57	Site visit: Other2 (description)	Nominal	25	Left	A255	A255
q23_1a	58	Site visit: BHWCR (prompt)	Nominal	6	Right	F1	F1
q23_1b	59	Site visit: BICR (prompt)	Nominal	6	Right	F1	F1

Variable	Position	Label	Measurement Level	Column Width	Alignment	Print Format	Write Format
q23_1c	60	Site visit: BCR (prompt)	Nominal	6	Right	F1	F1
q23_1d	61	Site visit: BWCR (prompt)	Nominal	6	Right	F1	F1
q23_1e	62	Site visit: CBNERR (prompt)	Nominal	6	Right	F1	F1
q23_1f	63	Site visit: KHWCR (prompt)	Nominal	6	Right	F1	F1
q23_1g	64	Site visit: MINERR (prompt)	Nominal	6	Right	F1	F1
q23_1h	65	Site visit: PICR (prompt)	Nominal	6	Right	F1	F1
q23_1i	66	Site visit: RCNERR (prompt)	Nominal	6	Right	F1	F1
q23_1j	67	Site visit: ZINERR (prompt)	Nominal	6	Right	F1	F1
q23_2	68	Bring dog	Nominal	6	Right	F1	F1
q24	69	Dog on leash	Nominal	6	Right	F1	F1
q25	70	Zip	Nominal	8	Right	F5	F5
q26	71	Education	Ordinal	20	Right	F1	F1
q27	72	Occupation	Nominal	25	Left	A255	A255
q27_if_ret	73	Occupation (pre-retirement)	Nominal	25	Left	A255	A255
q28	74	Household income	Ordinal	15	Right	F1	F1
q29	75	Gender	Nominal	8	Right	F1	F1
q30	76	Race	Nominal	25	Right	F1	F1
q30_other_desc	77	Race: Other (description)	Nominal	25	Left	A255	A255
q31	78	Interview site	Nominal	8	Right	F1	F1

Variable Values

Value		Label
intervwer	1	Baugh, Erica
	2	Denault, Teri
	3	Dunn, Robert
	4	Dworsky, Susan
	5	Gillikin, Paula
	6	Mitchell, Melissa
	7	Wells, Heather
	8	Ellin, Rebecca
	9	Luther, Meg
	10	Ott, Jacquie
	11	Sauls, Amy
	12	Wunderly, Ann
q1	1	Yes
	2	No
q5	1	ATV
	2	Bicycle
	3	Canoe
	4	Electric-powered boat
	5	Gasoline-powered boat
	6	Jet ski/PWC
	7	Kayak
	8	Motorcycle
	9	Personal vehicle
	10	Sailboard
	11	Sailboat
	12	Surfboard
	13	Swimming
	14	Tour/charter boat
	15	Walked
	16	Other
q7	1	Yes
	2	No
q8	1	Yes
	2	No
q10	1	First year
	2	2-4 years
	3	5-7 years
	4	8-10 years
	5	More than 10 years
q11	1	1-10 visits
	2	11-20 visits
	3	21-30 visits
	4	31-40 visits

Value		Label
	5	41-50 visits
	6	More than 50 visits
q12	1	Getting better
	2	Staying same
	3	Getting worse
q13a	1	Agree
	2	Disagree
	3	Don't know
q13b	1	Agree
	2	Disagree
	3	Don't know
q13c	1	Agree
	2	Disagree
	3	Don't know
q13d	1	Agree
	2	Disagree
	3	Don't know
q13e	1	Agree
	2	Disagree
	3	Don't know
q15a	1	Yes
	2	No
q15b	1	Yes
	2	No
q15c	1	Yes
	2	No
q15d	1	Yes
	2	No
q15e	1	Yes
	2	No
q15f	1	Yes
	2	No
q15g	1	Yes
	2	No
q15h	1	Yes
	2	No
q15i	1	Yes
	2	No
q15j	1	Yes
	2	No
q15k	1	Yes
	2	No
q15l	1	Yes
	2	No
q15m	1	Yes
	2	No

Value		Label
q15n	1	Yes
	2	No
q15o	1	Yes
	2	No
q15p	1	Yes
	2	No
q18	1	Yes
	2	No
q19	1	Yes
	2	No
	3	Don't know
q20	1	Yes
	2	No
q22a	1	Yes
	2	No
q22b	1	Yes
	2	No
q22c	1	Yes
	2	No
q22d	1	Yes
	2	No
q22e	1	Yes
	2	No
q22f	1	Yes
	2	No
q22g	1	Yes
	2	No
q22h	1	Yes
	2	No
q22i	1	Yes
	2	No
q22j	1	Yes
	2	No
q22k	1	Yes
	2	No
q22l	1	Yes
	2	No
q23_1a	1	Yes
	2	No
q23_1b	1	Yes
	2	No
q23_1c	1	Yes
	2	No
q23_1d	1	Yes
	2	No
q23_1e	1	Yes

Value		Label
	2	No
q23_1f	1	Yes
	2	No
q23_1g	1	Yes
	2	No
q23_1h	1	Yes
	2	No
q23_1i	1	Yes
	2	No
q23_1j	1	Yes
	2	No
q23_2	1	Yes
	2	No
q24	1	Yes
	2	No
q26	1	Less than high school
	2	High school grad
	3	Some college
	4	Assoc/com college grad
	5	Bach/college grad
	6	Masters
	7	PhD
	8	Law grad
	9	Med grad
q28	1	\$25,000 or less
	2	\$25,001-\$50,000
	3	\$50,001-\$75,000
	4	\$75,001-\$100,000
	5	More than \$100,000
q29	1	Male
	2	Female
q30	1	White (non-Hispanic/Latino)
	2	Hispanic/Latino
	3	American Indian/Alaskan Native
	4	Black/African American
	5	Asian/Pacific Islander
	6	Other
q31	1	BICR
	2	CBNERR
	3	MINERR
	4	RCNERR

Appendix F: Data Frequency Tables

Interviewer

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Baugh, Erica	183	35.1	35.3	35.3
	Denault, Teri	30	5.8	5.8	41.0
	Dunn, Robert	81	15.5	15.6	56.6
	Dworsky, Susan	21	4.0	4.0	60.7
	Gillikin, Paula	50	9.6	9.6	70.3
	Mitchell, Melissa	93	17.9	17.9	88.2
	Wells, Heather	12	2.3	2.3	90.6
	Ellin, Rebecca	6	1.2	1.2	91.7
	Luther, Meg	1	.2	.2	91.9
	Ott, Jacquie	9	1.7	1.7	93.6
	Sauls, Amy	1	.2	.2	93.8
	Wunderly, Ann	4	.8	.8	94.6
	Barber, Jim	2	.4	.4	95.0
	Barber, Linda	2	.4	.4	95.4
	Ducher, Bill	4	.8	.8	96.1
	Eisenacher, Lee	4	.8	.8	96.9
	McNally, Annie	4	.8	.8	97.7
	Scruggs, Buddy	5	1.0	1.0	98.7
	Scruggs, Judy	3	.6	.6	99.2
	Strandquist, Jim	2	.4	.4	99.6
	Strandquist, Lynn	2	.4	.4	100.0
	Total	519	99.6	100.0	
Missing	System	2	.4		
Total		521	100.0		

Interview date

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	06/01/2007	17	3.3	3.3	3.3
	06/02/2007	7	1.3	1.3	4.6
	06/03/2007	1	.2	.2	4.8
	06/04/2007	15	2.9	2.9	7.7
	06/05/2007	1	.2	.2	7.9
	06/07/2007	4	.8	.8	8.7
	06/11/2007	14	2.7	2.7	11.3
	06/12/2007	27	5.2	5.2	16.5
	06/14/2007	2	.4	.4	16.9
	06/15/2007	18	3.5	3.5	20.4
	06/16/2007	17	3.3	3.3	23.7
	06/17/2007	1	.2	.2	23.8
	06/18/2007	13	2.5	2.5	26.3
	06/20/2007	1	.2	.2	26.5
	06/21/2007	22	4.2	4.2	30.8
	06/22/2007	15	2.9	2.9	33.7
	06/23/2007	20	3.8	3.8	37.5
	06/24/2007	1	.2	.2	37.7
	06/26/2007	4	.8	.8	38.5
	06/27/2007	9	1.7	1.7	40.2
	06/28/2007	5	1.0	1.0	41.2
	06/29/2007	3	.6	.6	41.7
	07/01/2007	6	1.2	1.2	42.9
	07/02/2007	3	.6	.6	43.5
	07/03/2007	5	1.0	1.0	44.4
	07/05/2007	8	1.5	1.5	46.0
	07/06/2007	9	1.7	1.7	47.7
	07/08/2007	7	1.3	1.3	49.0
	07/09/2007	2	.4	.4	49.4
	07/11/2007	15	2.9	2.9	52.3
	07/12/2007	4	.8	.8	53.1
	07/13/2007	9	1.7	1.7	54.8
	07/14/2007	2	.4	.4	55.2
	07/15/2007	7	1.3	1.3	56.5
	07/17/2007	13	2.5	2.5	59.0
	07/19/2007	13	2.5	2.5	61.5
	07/21/2007	7	1.3	1.3	62.9
	07/24/2007	14	2.7	2.7	65.6
	07/25/2007	2	.4	.4	66.0
	07/27/2007	5	1.0	1.0	66.9
	07/28/2007	2	.4	.4	67.3
	07/29/2007	11	2.1	2.1	69.4
	07/31/2007	8	1.5	1.5	71.0

	Frequency	Percent	Valid Percent	Cumulative Percent
08/01/2007	13	2.5	2.5	73.5
08/04/2007	7	1.3	1.3	74.8
08/05/2007	9	1.7	1.7	76.5
08/07/2007	1	.2	.2	76.7
08/19/2007	3	.6	.6	77.3
08/24/2007	1	.2	.2	77.5
08/30/2007	1	.2	.2	77.7
08/31/2007	2	.4	.4	78.1
09/04/2007	1	.2	.2	78.3
09/10/2007	2	.4	.4	78.7
09/15/2007	1	.2	.2	78.8
09/16/2007	6	1.2	1.2	80.0
09/17/2007	4	.8	.8	80.8
09/18/2007	9	1.7	1.7	82.5
09/26/2007	3	.6	.6	83.1
09/29/2007	4	.8	.8	83.8
10/02/2007	3	.6	.6	84.4
10/03/2007	16	3.1	3.1	87.5
10/10/2007	2	.4	.4	87.9
10/11/2007	4	.8	.8	88.7
10/12/2007	4	.8	.8	89.4
10/13/2007	4	.8	.8	90.2
10/16/2007	4	.8	.8	91.0
10/17/2007	11	2.1	2.1	93.1
10/21/2007	10	1.9	1.9	95.0
10/22/2007	2	.4	.4	95.4
10/23/2007	6	1.2	1.2	96.5
10/24/2007	5	1.0	1.0	97.5
10/25/2007	5	1.0	1.0	98.5
10/26/2007	2	.4	.4	98.8
10/27/2007	4	.8	.8	99.6
10/28/2007	2	.4	.4	100.0
Total	520	99.8	100.0	
Missing System	1	.2		
Total	521	100.0		

q2 In what year were you born?

Year born

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1924	1	.2	.2	.2
	1926	1	.2	.2	.4
	1927	1	.2	.2	.6
	1929	1	.2	.2	.8
	1931	2	.4	.4	1.2
	1933	2	.4	.4	1.6
	1935	5	1.0	1.0	2.5
	1936	1	.2	.2	2.7
	1937	2	.4	.4	3.1
	1938	3	.6	.6	3.7
	1939	1	.2	.2	3.9
	1940	5	1.0	1.0	4.9
	1941	2	.4	.4	5.3
	1942	10	1.9	1.9	7.2
	1943	7	1.3	1.4	8.6
	1944	5	1.0	1.0	9.5
	1945	9	1.7	1.8	11.3
	1946	12	2.3	2.3	13.6
	1947	9	1.7	1.8	15.4
	1948	6	1.2	1.2	16.5
	1949	13	2.5	2.5	19.1
	1950	6	1.2	1.2	20.2
	1951	14	2.7	2.7	23.0
	1952	20	3.8	3.9	26.8
	1953	11	2.1	2.1	29.0
	1954	10	1.9	1.9	30.9
	1955	13	2.5	2.5	33.5
	1956	10	1.9	1.9	35.4
	1957	9	1.7	1.8	37.2
	1958	15	2.9	2.9	40.1
	1959	19	3.6	3.7	43.8
	1960	16	3.1	3.1	46.9
	1961	9	1.7	1.8	48.6
	1962	18	3.5	3.5	52.1
1963	7	1.3	1.4	53.5	
1964	21	4.0	4.1	57.6	
1965	12	2.3	2.3	59.9	
1966	8	1.5	1.6	61.5	
1967	9	1.7	1.8	63.2	
1968	13	2.5	2.5	65.8	
1969	14	2.7	2.7	68.5	
1970	16	3.1	3.1	71.6	

	Frequency	Percent	Valid Percent	Cumulative Percent
1971	14	2.7	2.7	74.3
1972	8	1.5	1.6	75.9
1973	10	1.9	1.9	77.8
1974	7	1.3	1.4	79.2
1975	9	1.7	1.8	80.9
1976	6	1.2	1.2	82.1
1977	10	1.9	1.9	84.0
1978	6	1.2	1.2	85.2
1979	7	1.3	1.4	86.6
1980	7	1.3	1.4	87.9
1981	7	1.3	1.4	89.3
1982	10	1.9	1.9	91.2
1983	7	1.3	1.4	92.6
1984	8	1.5	1.6	94.2
1985	8	1.5	1.6	95.7
1986	7	1.3	1.4	97.1
1987	7	1.3	1.4	98.4
1988	5	1.0	1.0	99.4
1989	2	.4	.4	99.8
1991	1	.2	.2	100.0
Total	514	98.7	100.0	
Missing System	7	1.3		
Total	521	100.0		

q3 How many individuals are in your group/party today?

Individuals in party

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	54	10.4	10.5	10.5
	2	160	30.7	31.1	41.6
	3	58	11.1	11.3	52.8
	4	66	12.7	12.8	65.6
	5	46	8.8	8.9	74.6
	6	34	6.5	6.6	81.2
	7	13	2.5	2.5	83.7
	8	18	3.5	3.5	87.2
	9	13	2.5	2.5	89.7
	10	7	1.3	1.4	91.1
	11	5	1.0	1.0	92.0
	12	6	1.2	1.2	93.2
	13	5	1.0	1.0	94.2
	14	7	1.3	1.4	95.5
	15	4	.8	.8	96.3
	16	2	.4	.4	96.7
	17	1	.2	.2	96.9
	19	2	.4	.4	97.3
	20	4	.8	.8	98.1
	21	1	.2	.2	98.3
	25	4	.8	.8	99.0
	58	1	.2	.2	99.2
	65	1	.2	.2	99.4
	66	1	.2	.2	99.6
	74	1	.2	.2	99.8
	75	1	.2	.2	100.0
	Total	515	98.8	100.0	
Missing	System	6	1.2		
Total		521	100.0		

q5 What means of transportation did you use to get to this site today?

Means of transportation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Bicycle	13	2.5	2.5	2.5
	Canoe	6	1.2	1.2	3.7
	Electric-powered boat	4	.8	.8	4.5
	Gasoline-powered boat	144	27.6	28.0	32.5
	Jet ski/PWC	3	.6	.6	33.1
	Kayak	16	3.1	3.1	36.2
	Motorcycle	2	.4	.4	36.6
	Personal vehicle	210	40.3	40.9	77.4
	Surfboard	2	.4	.4	77.8
	Tour/charter boat	14	2.7	2.7	80.5
	Walked	97	18.6	18.9	99.4
	Other	3	.6	.6	100.0
	Total	514	98.7	100.0	
	Missing	System	7	1.3	
Total		521	100.0		

Means of transportation: other (description)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		518	99.4	99.4	99.4
	Rachel Carson	1	.2	.2	99.6
	rental boat	1	.2	.2	99.8
	rental car	1	.2	.2	100.0
	Total	521	100.0	100.0	

q7 Have you visited this site before today?

Visited before

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	341	65.5	65.7	65.7
	No	178	34.2	34.3	100.0
	Total	519	99.6	100.0	
Missing	System	2	.4		
Total		521	100.0		

q8 Is this location where you normally come for recreation or to visit this site?

Normal site

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	304	58.3	88.6	88.6
	No	39	7.5	11.4	100.0
	Total	343	65.8	100.0	
Missing	System	178	34.2		
Total		521	100.0		

q10 For how many years have you visited this site?

Years visiting site

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	First year	40	7.7	11.6	11.6
	2-4 years	76	14.6	22.1	33.7
	5-7 years	51	9.8	14.8	48.5
	8-10 years	20	3.8	5.8	54.4
	More than 10 years	157	30.1	45.6	100.0
	Total	344	66.0	100.0	
Missing	System	177	34.0		
Total		521	100.0		

q11 How many times per year do you normally visit this site?

Times per year

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1-10 visits	227	43.6	65.8	65.8
	11-20 visits	45	8.6	13.0	78.8
	21-30 visits	25	4.8	7.2	86.1
	31-40 visits	7	1.3	2.0	88.1
	41-50 visits	11	2.1	3.2	91.3
	More than 50 visits	30	5.8	8.7	100.0
	Total	345	66.2	100.0	
Missing	System	176	33.8		
Total		521	100.0		

q12 In your opinion, are the environmental conditions (including litter, water conditions, beach conditions, scenic resources, crowding, etc.) on this site:

Environmental conditions

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Getting better	53	10.2	15.7	15.7
	Staying same	209	40.1	62.0	77.7
	Getting worse	75	14.4	22.3	100.0
	Total	337	64.7	100.0	
Missing	System	184	35.3		
Total		521	100.0		

q13 Please state whether you agree, disagree or don't know regarding the following statements:

q13a There are too many rules and regulations that govern what I can do on this site.

Too many rules

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	10	1.9	2.9	2.9
	Disagree	279	53.6	80.9	83.8
	Don't know	56	10.7	16.2	100.0
	Total	345	66.2	100.0	
Missing	System	176	33.8		
Total		521	100.0		

q13b Increased recreational use is negatively changing the character of this site.

Changing character

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	98	18.8	28.4	28.4
	Disagree	204	39.2	59.1	87.5
	Don't know	43	8.3	12.5	100.0
	Total	345	66.2	100.0	
Missing	System	176	33.8		
Total		521	100.0		

q13c I would support limiting uses that threaten this site.

Limit use

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	279	53.6	81.3	81.3
	Disagree	49	9.4	14.3	95.6
	Don't know	15	2.9	4.4	100.0
	Total	343	65.8	100.0	
Missing	System	178	34.2		
Total		521	100.0		

q13d This site is managed properly.

Properly managed

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	272	52.2	79.3	79.3
	Disagree	20	3.8	5.8	85.1
	Don't know	51	9.8	14.9	100.0
	Total	343	65.8	100.0	
Missing	System	178	34.2		
Total		521	100.0		

q13e I think there should be increased enforcement of regulations on this site.

Increased enforcement

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	103	19.8	30.2	30.2
	Disagree	179	34.4	52.5	82.7
	Don't know	59	11.3	17.3	100.0
	Total	341	65.5	100.0	
Missing	System	180	34.5		
Total		521	100.0		

q14 What is the ONE MOST serious management problem on this site today? .

Most serious problem (category)

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	239	45.9	45.9	45.9
boat traffic	10	1.9	1.9	47.8
camping issues	6	1.2	1.2	48.9
cars and traffic	34	6.5	6.5	55.5
crowding	9	1.7	1.7	57.2
dog issues	5	1.0	1.0	58.2
erosion issues	9	1.7	1.7	59.9
horse issues	3	.6	.6	60.5
inappropriate behavior	47	9.0	9.0	69.5
lack of public facilities	10	1.9	1.9	71.4
litter	60	11.5	11.5	82.9
no management problems	67	12.9	12.9	95.8
other	10	1.9	1.9	97.7
water pollution	12	2.3	2.3	100.0
Total	521	100.0	100.0	

q15 What activities do you plan to participate in while you are on this site today? (Check all responses)

Activities: Boating

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	59	11.3	100.0	100.0
Missing	System	462	88.7		
Total		521	100.0		

Activities: Camping

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	3	.6	100.0	100.0
Missing	System	518	99.4		
Total		521	100.0		

Activities: Fishing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	50	9.6	100.0	100.0
Missing	System	471	90.4		
Total		521	100.0		

Activities: Hunting

		Frequency	Percent
Missing	System	521	100.0

Activities: Jet skiing/PWC

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	1	.2	100.0	100.0
Missing	System	520	99.8		
Total		521	100.0		

Activities: Kite flying

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	1.3	100.0	100.0
Missing	System	514	98.7		
Total		521	100.0		

Activities: Picnicking

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	26	5.0	100.0	100.0
Missing	System	495	95.0		
Total		521	100.0		

Activities: Sailing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	2	.4	100.0	100.0
Missing	System	519	99.6		
Total		521	100.0		

Activities: Shelling

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	96	18.4	100.0	100.0
Missing	System	425	81.6		
Total		521	100.0		

Activities: Sunbathing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	105	20.2	100.0	100.0
Missing	System	416	79.8		
Total		521	100.0		

Activities: Surfing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	28	5.4	100.0	100.0
Missing	System	493	94.6		
Total		521	100.0		

Activities: Swimming

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	164	31.5	100.0	100.0
Missing	System	357	68.5		
Total		521	100.0		

Activities: Volleyball

		Frequency	Percent
Missing	System	521	100.0

Activities: Walking/hiking

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	288	55.3	100.0	100.0
Missing	System	233	44.7		
Total		521	100.0		

Activities: Wildlife observation

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	98	18.8	100.0	100.0
Missing	System	423	81.2		
Total		521	100.0		

Activities: Other

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	122	23.4	100.0	100.0
Missing	System	399	76.6		
Total		521	100.0		

Activities: Other (description)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		399	76.6	76.6	76.6
	beachcombing	1	.2	.2	76.8
	biking	4	.8	.8	77.5
	biking, frisbee	1	.2	.2	77.7
	birdwatching	4	.8	.8	78.5

	Frequency	Percent	Valid Percent	Cumulative Percent
bocci ball	1	.2	.2	78.7
bocci ball and tubing	1	.2	.2	78.9
cooking	1	.2	.2	79.1
crabbing	2	.4	.4	79.5
digging holes	2	.4	.4	79.8
drinking	3	.6	.6	80.4
drinking beer and skimboarding	1	.2	.2	80.6
dropping off ferry passengers	2	.4	.4	81.0
eating	1	.2	.2	81.2
enjoying the beach	1	.2	.2	81.4
exploration	1	.2	.2	81.6
feeding seagulls	1	.2	.2	81.8
football	1	.2	.2	82.0
frisbee	2	.4	.4	82.3
golf	1	.2	.2	82.5
hiking	2	.4	.4	82.9
horse watching	5	1.0	1.0	83.9
jogging	1	.2	.2	84.1
kayaking	8	1.5	1.5	85.6
Kindred Spirit mailbox	6	1.2	1.2	86.8
kite surfing	1	.2	.2	86.9
part of Duke trip program-education	1	.2	.2	87.1
people watching	1	.2	.2	87.3
photography	19	3.6	3.6	91.0
photography, geocaching	1	.2	.2	91.2
photography, horse watching	1	.2	.2	91.4
picking up garbage	3	.6	.6	91.9
playing catch	1	.2	.2	92.1
playing in the sand	1	.2	.2	92.3
playing with dogs	3	.6	.6	92.9
read interpretive signs	1	.2	.2	93.1
reading	1	.2	.2	93.3
relaxation	16	3.1	3.1	96.4
research-collection sample	1	.2	.2	96.5
sand castles	3	.6	.6	97.1
scrubbing fouling off hull of boat	1	.2	.2	97.3
sex	1	.2	.2	97.5
shellfishing	1	.2	.2	97.7
shellfishing, snorkeling	1	.2	.2	97.9
sightseeing	5	1.0	1.0	98.8

	Frequency	Percent	Valid Percent	Cumulative Percent
skim boarding	1	.2	.2	99.0
sleeping	1	.2	.2	99.2
taking field trip around trail with NC NERR education staff	1	.2	.2	99.4
tubing	2	.4	.4	99.8
wind surfing, kayaking	1	.2	.2	100.0
Total	521	100.0	100.0	

q16 Who owns this site?

Who owns site (category)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	CR/NERR	11	2.1	2.1	2.1
	don't know	132	25.3	25.3	27.4
	federal	29	5.6	5.6	33.0
	local gov't	14	2.7	2.7	35.7
	non-governmental	12	2.3	2.3	38.0
	other	23	4.4	4.4	42.4
	the government	6	1.2	1.2	43.6
	the public	13	2.5	2.5	46.1
	the state	281	53.9	53.9	100.0
	Total	521	100.0	100.0	

q17 Who manages this site?

Who manages site (category)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	CR/NERR	88	16.9	16.9	16.9
	don't know	176	33.8	33.8	50.7
	federal	25	4.8	4.8	55.5
	local gov't	29	5.6	5.6	61.0
	non-governmental	20	3.8	3.8	64.9
	other	26	5.0	5.0	69.9
	the state	157	30.1	30.1	100.0
	Total	521	100.0	100.0	

q18 Prior to this survey, had you ever heard of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

Heard of NCNERR/NCCRP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	174	33.4	33.7	33.7
	No	342	65.6	66.3	100.0
	Total	516	99.0	100.0	
Missing	System	5	1.0		
Total		521	100.0		

q19 Is this site a part of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

Site part of NCNERR/NCCRP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	152	29.2	82.6	82.6
	No	2	.4	1.1	83.7
	Don't know	30	5.8	16.3	100.0
	Total	184	35.3	100.0	
Missing	System	337	64.7		
Total		521	100.0		

q20 Do you know the mission of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

Know mission of NCNERR/NCCRP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	90	17.3	50.0	50.0
	No	90	17.3	50.0	100.0
	Total	180	34.5	100.0	
Missing	System	341	65.5		
Total		521	100.0		

q21 Please explain the mission of the North Carolina National Estuarine Research Reserve Program OR North Carolina Coastal Reserve Program in your own words. (Ask whichever is appropriate)

Mission of NCNERR/NCCRP (category)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	research	434	83.3	83.3	83.3
	resource protection	1	.2	.2	83.5
	resource protection and education	75	14.4	14.4	97.9
	resource protection and research	2	.4	.4	98.3
	resource protection, education and research	8	1.5	1.5	99.8
	Total	1	.2	.2	100.0
Total		521	100.0	100.0	

q22 Apart from this site, which other North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve sites do you visit?

Site visit: BHWCR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	18	3.5	100.0	100.0
Missing	System	503	96.5		
Total		521	100.0		

Site visit: BICR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	8	1.5	100.0	100.0
Missing	System	513	98.5		
Total		521	100.0		

Site visit: BCR

		Frequency	Percent
Missing	System	521	100.0

Site visit: BWCR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	9	1.7	100.0	100.0
Missing	System	512	98.3		
Total		521	100.0		

Site visit: CBNERR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	11	2.1	100.0	100.0
Missing	System	510	97.9		
Total		521	100.0		

Site visit: KHWCR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	20	3.8	100.0	100.0
Missing	System	501	96.2		
Total		521	100.0		

Site visit: MINERR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	15	2.9	100.0	100.0
Missing	System	506	97.1		
Total		521	100.0		

Site visit: PICR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	1	.2	100.0	100.0
Missing	System	520	99.8		
Total		521	100.0		

Site visit: RCNERR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	1.3	100.0	100.0
Missing	System	514	98.7		
Total		521	100.0		

Site visit: ZINERR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	1.3	100.0	100.0
Missing	System	514	98.7		
Total		521	100.0		

Site visit: Other1

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	20	3.8	100.0	100.0
Missing System	501	96.2		
Total	521	100.0		

Site visit: Other1 (description)

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	501	96.2	96.2	96.2
Cape Lookout	6	1.2	1.2	97.3
Carolina Beach	1	.2	.2	97.5
don't know	4	.8	.8	98.3
Fire Island	1	.2	.2	98.5
Fort Fisher	1	.2	.2	98.7
Fort Macon	1	.2	.2	98.8
Holden Beach	1	.2	.2	99.0
marsh behind Pine Knoll Shores Aquarium	1	.2	.2	99.2
none of them	1	.2	.2	99.4
Ocracoke Island	2	.4	.4	99.8
Outer Banks	1	.2	.2	100.0
Total	521	100.0	100.0	

Site visit: Other2 (description)

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	515	98.8	98.8	98.8
Portsmouth	1	.2	.2	99.0
Shackleford Banks	5	1.0	1.0	100.0
Total	521	100.0	100.0	

q23_1 Apart from this site, have you visited any of the following locations?

Site visit: BHWCR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	88	16.9	100.0	100.0
Missing	System	433	83.1		
Total		521	100.0		

Site visit: BICR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	106	20.3	100.0	100.0
Missing	System	415	79.7		
Total		521	100.0		

Site visit: BCR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	4	.8	100.0	100.0
Missing	System	517	99.2		
Total		521	100.0		

Site visit: BWCR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	45	8.6	100.0	100.0
Missing	System	476	91.4		
Total		521	100.0		

Site visit: CBNERR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	79	15.2	100.0	100.0
Missing	System	442	84.8		
Total		521	100.0		

Site visit: KHWCR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	116	22.3	100.0	100.0
Missing	System	405	77.7		
Total		521	100.0		

Site visit: MINERR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	88	16.9	100.0	100.0
Missing	System	433	83.1		
Total		521	100.0		

Site visit: PICR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	6	1.2	100.0	100.0
Missing	System	515	98.8		
Total		521	100.0		

Site visit: RCNERR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	19	3.6	100.0	100.0
Missing	System	502	96.4		
Total		521	100.0		

Site visit: ZINERR (prompt)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	30	5.8	100.0	100.0
Missing	System	491	94.2		
Total		521	100.0		

q23_2 Do you bring a dog with you when you visit the site?

Bring dog

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	93	17.9	18.1	18.1
	No	421	80.8	81.9	100.0
	Total	514	98.7	100.0	
Missing	System	7	1.3		
Total		521	100.0		

q24 Do you always keep the dog on a leash?

Dog on leash

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	35	6.7	38.0	38.0
	No	57	10.9	62.0	100.0
	Total	92	17.7	100.0	
Missing	System	429	82.3		
Total		521	100.0		

q25 What is the zip code of your permanent residence?

Zip

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1060	1	.2	.2	.2
	2118	1	.2	.2	.4
	2543	1	.2	.2	.6
	3216	1	.2	.2	.8
	4843	1	.2	.2	1.0
	5753	1	.2	.2	1.2
	6070	1	.2	.2	1.4
	6830	1	.2	.2	1.6
	7065	1	.2	.2	1.8
	7070	1	.2	.2	2.0
	7480	1	.2	.2	2.2
	7626	1	.2	.2	2.4
	7701	1	.2	.2	2.6
	7733	1	.2	.2	2.8
	7735	1	.2	.2	3.0
	7860	1	.2	.2	3.2
	7869	1	.2	.2	3.4
	7871	1	.2	.2	3.6
	8053	1	.2	.2	3.8
	8201	1	.2	.2	4.0
	8542	1	.2	.2	4.2
	8836	1	.2	.2	4.3
	10025	1	.2	.2	4.5
	10103	1	.2	.2	4.7
	10509	1	.2	.2	4.9
	10918	1	.2	.2	5.1
	10960	1	.2	.2	5.3
	10962	1	.2	.2	5.5
	11218	1	.2	.2	5.7
	11370	1	.2	.2	5.9
	11780	1	.2	.2	6.1
	12203	1	.2	.2	6.3
	12306	1	.2	.2	6.5
	12586	1	.2	.2	6.7
	13057	1	.2	.2	6.9
	14216	1	.2	.2	7.1
	14450	1	.2	.2	7.3
	15063	1	.2	.2	7.5
	15101	1	.2	.2	7.7
	15122	1	.2	.2	7.9
	15202	1	.2	.2	8.1
	15379	1	.2	.2	8.3

	Frequency	Percent	Valid Percent	Cumulative Percent
15905	1	.2	.2	8.5
16033	1	.2	.2	8.7
16053	1	.2	.2	8.9
16055	1	.2	.2	9.1
16124	1	.2	.2	9.3
16127	1	.2	.2	9.5
16154	1	.2	.2	9.7
16335	1	.2	.2	9.9
16617	1	.2	.2	10.1
16648	1	.2	.2	10.3
16701	1	.2	.2	10.5
16801	1	.2	.2	10.7
16936	1	.2	.2	10.9
17007	1	.2	.2	11.1
17029	1	.2	.2	11.3
17067	1	.2	.2	11.5
17110	1	.2	.2	11.7
17406	1	.2	.2	11.9
17519	1	.2	.2	12.1
17543	2	.4	.4	12.5
17552	1	.2	.2	12.6
17603	1	.2	.2	12.8
17876	1	.2	.2	13.0
17901	1	.2	.2	13.2
18202	1	.2	.2	13.4
18635	1	.2	.2	13.6
18902	1	.2	.2	13.8
18951	1	.2	.2	14.0
18960	1	.2	.2	14.2
18974	1	.2	.2	14.4
19002	1	.2	.2	14.6
19038	1	.2	.2	14.8
19067	1	.2	.2	15.0
19114	1	.2	.2	15.2
19403	1	.2	.2	15.4
19547	1	.2	.2	15.6
19606	1	.2	.2	15.8
19608	1	.2	.2	16.0
19701	1	.2	.2	16.2
19707	1	.2	.2	16.4
19933	1	.2	.2	16.6
20003	1	.2	.2	16.8
20009	1	.2	.2	17.0
20169	1	.2	.2	17.2
20170	1	.2	.2	17.4

	Frequency	Percent	Valid Percent	Cumulative Percent
20650	1	.2	.2	17.6
20720	1	.2	.2	17.8
20850	1	.2	.2	18.0
20854	1	.2	.2	18.2
20901	1	.2	.2	18.4
20903	1	.2	.2	18.6
20904	1	.2	.2	18.8
20910	1	.2	.2	19.0
20912	1	.2	.2	19.2
21013	1	.2	.2	19.4
21030	1	.2	.2	19.6
21042	2	.4	.4	20.0
21075	1	.2	.2	20.2
21093	1	.2	.2	20.4
21111	1	.2	.2	20.6
21401	2	.4	.4	20.9
21403	1	.2	.2	21.1
21502	1	.2	.2	21.3
21703	1	.2	.2	21.5
21713	1	.2	.2	21.7
21737	1	.2	.2	21.9
21742	1	.2	.2	22.1
21771	1	.2	.2	22.3
21784	1	.2	.2	22.5
21804	1	.2	.2	22.7
21921	1	.2	.2	22.9
22026	1	.2	.2	23.1
22066	1	.2	.2	23.3
22192	1	.2	.2	23.5
22310	1	.2	.2	23.7
22427	1	.2	.2	23.9
22554	1	.2	.2	24.1
22560	1	.2	.2	24.3
22601	1	.2	.2	24.5
22630	1	.2	.2	24.7
22802	1	.2	.2	24.9
22911	1	.2	.2	25.1
22980	1	.2	.2	25.3
23002	1	.2	.2	25.5
23015	1	.2	.2	25.7
23103	1	.2	.2	25.9
23111	1	.2	.2	26.1
23185	1	.2	.2	26.3
23220	1	.2	.2	26.5
23227	1	.2	.2	26.7

	Frequency	Percent	Valid Percent	Cumulative Percent
23322	2	.4	.4	27.1
23325	1	.2	.2	27.3
23356	1	.2	.2	27.5
23451	1	.2	.2	27.7
23456	1	.2	.2	27.9
23513	1	.2	.2	28.1
23664	1	.2	.2	28.3
23692	1	.2	.2	28.5
23703	1	.2	.2	28.7
23829	1	.2	.2	28.9
23890	2	.4	.4	29.2
24014	1	.2	.2	29.4
24019	1	.2	.2	29.6
24273	1	.2	.2	29.8
24401	1	.2	.2	30.0
24450	1	.2	.2	30.2
24502	1	.2	.2	30.4
24503	1	.2	.2	30.6
25314	1	.2	.2	30.8
25526	1	.2	.2	31.0
25705	1	.2	.2	31.2
26170	1	.2	.2	31.4
26254	1	.2	.2	31.6
26726	1	.2	.2	31.8
27021	1	.2	.2	32.0
27030	1	.2	.2	32.2
27040	2	.4	.4	32.6
27045	1	.2	.2	32.8
27103	1	.2	.2	33.0
27104	2	.4	.4	33.4
27106	2	.4	.4	33.8
27107	1	.2	.2	34.0
27109	1	.2	.2	34.2
27215	1	.2	.2	34.4
27243	1	.2	.2	34.6
27244	1	.2	.2	34.8
27253	1	.2	.2	35.0
27262	1	.2	.2	35.2
27284	1	.2	.2	35.4
27295	1	.2	.2	35.6
27298	1	.2	.2	35.8
27302	1	.2	.2	36.0
27403	2	.4	.4	36.4
27410	5	1.0	1.0	37.4
27425	1	.2	.2	37.5

	Frequency	Percent	Valid Percent	Cumulative Percent
27455	1	.2	.2	37.7
27502	1	.2	.2	37.9
27503	1	.2	.2	38.1
27504	1	.2	.2	38.3
27510	2	.4	.4	38.7
27511	3	.6	.6	39.3
27513	1	.2	.2	39.5
27514	3	.6	.6	40.1
27516	2	.4	.4	40.5
27517	2	.4	.4	40.9
27519	1	.2	.2	41.1
27523	1	.2	.2	41.3
27526	3	.6	.6	41.9
27529	2	.4	.4	42.3
27539	1	.2	.2	42.5
27540	1	.2	.2	42.7
27568	1	.2	.2	42.9
27587	1	.2	.2	43.1
27592	1	.2	.2	43.3
27596	2	.4	.4	43.7
27606	1	.2	.2	43.9
27613	1	.2	.2	44.1
27615	3	.6	.6	44.7
27616	1	.2	.2	44.9
27703	1	.2	.2	45.1
27712	1	.2	.2	45.3
27713	2	.4	.4	45.7
27828	2	.4	.4	46.0
27833	1	.2	.2	46.2
27846	1	.2	.2	46.4
27855	1	.2	.2	46.6
27858	1	.2	.2	46.8
27877	1	.2	.2	47.0
27882	2	.4	.4	47.4
27886	1	.2	.2	47.6
27909	3	.6	.6	48.2
27927	3	.6	.6	48.8
27944	2	.4	.4	49.2
27948	1	.2	.2	49.4
27949	1	.2	.2	49.6
27958	2	.4	.4	50.0
27959	1	.2	.2	50.2
27974	1	.2	.2	50.4
28001	1	.2	.2	50.6
28021	2	.4	.4	51.0

	Frequency	Percent	Valid Percent	Cumulative Percent
28025	2	.4	.4	51.4
28078	1	.2	.2	51.6
28092	1	.2	.2	51.8
28104	1	.2	.2	52.0
28105	1	.2	.2	52.2
28166	1	.2	.2	52.4
28173	2	.4	.4	52.8
28210	1	.2	.2	53.0
28211	1	.2	.2	53.2
28226	1	.2	.2	53.4
28269	1	.2	.2	53.6
28270	1	.2	.2	53.8
28277	1	.2	.2	54.0
28303	1	.2	.2	54.2
28306	1	.2	.2	54.3
28307	1	.2	.2	54.5
28311	1	.2	.2	54.7
28314	1	.2	.2	54.9
28325	1	.2	.2	55.1
28327	1	.2	.2	55.3
28334	1	.2	.2	55.5
28358	1	.2	.2	55.7
28376	1	.2	.2	55.9
28379	1	.2	.2	56.1
28403	13	2.5	2.6	58.7
28404	1	.2	.2	58.9
28405	2	.4	.4	59.3
28409	28	5.4	5.5	64.8
28411	4	.8	.8	65.6
28412	7	1.3	1.4	67.0
28443	1	.2	.2	67.2
28457	2	.4	.4	67.6
28467	2	.4	.4	68.0
28468	13	2.5	2.6	70.6
28469	4	.8	.8	71.3
28472	1	.2	.2	71.5
28480	7	1.3	1.4	72.9
28501	1	.2	.2	73.1
28512	3	.6	.6	73.7
28516	19	3.6	3.8	77.5
28531	2	.4	.4	77.9
28532	1	.2	.2	78.1
28557	4	.8	.8	78.9
28560	2	.4	.4	79.2
28562	6	1.2	1.2	80.4

	Frequency	Percent	Valid Percent	Cumulative Percent
28570	4	.8	.8	81.2
28580	1	.2	.2	81.4
28584	1	.2	.2	81.6
28594	1	.2	.2	81.8
28604	1	.2	.2	82.0
28618	1	.2	.2	82.2
28638	1	.2	.2	82.4
28673	1	.2	.2	82.6
28684	1	.2	.2	82.8
28689	1	.2	.2	83.0
28694	1	.2	.2	83.2
28712	2	.4	.4	83.6
28803	1	.2	.2	83.8
29150	1	.2	.2	84.0
29154	1	.2	.2	84.2
29406	1	.2	.2	84.4
29412	1	.2	.2	84.6
29566	2	.4	.4	85.0
29577	1	.2	.2	85.2
29582	2	.4	.4	85.6
29635	1	.2	.2	85.8
29673	1	.2	.2	86.0
29691	1	.2	.2	86.2
29710	1	.2	.2	86.4
30078	1	.2	.2	86.6
30306	1	.2	.2	86.8
30317	1	.2	.2	87.0
30341	1	.2	.2	87.2
30530	1	.2	.2	87.4
30904	1	.2	.2	87.5
31326	1	.2	.2	87.7
32068	1	.2	.2	87.9
37027	1	.2	.2	88.1
37115	1	.2	.2	88.3
37128	1	.2	.2	88.5
37211	1	.2	.2	88.7
37683	1	.2	.2	88.9
37803	1	.2	.2	89.1
37830	1	.2	.2	89.3
37919	1	.2	.2	89.5
37922	1	.2	.2	89.7
37934	1	.2	.2	89.9
43016	1	.2	.2	90.1
43068	1	.2	.2	90.3
43081	1	.2	.2	90.5

	Frequency	Percent	Valid Percent	Cumulative Percent
43207	1	.2	.2	90.7
43551	1	.2	.2	90.9
43701	1	.2	.2	91.1
43920	1	.2	.2	91.3
44004	2	.4	.4	91.7
44077	1	.2	.2	91.9
44094	1	.2	.2	92.1
44095	1	.2	.2	92.3
44110	1	.2	.2	92.5
44119	1	.2	.2	92.7
44123	1	.2	.2	92.9
44203	1	.2	.2	93.1
44224	1	.2	.2	93.3
44233	1	.2	.2	93.5
44256	1	.2	.2	93.7
44281	1	.2	.2	93.9
44720	1	.2	.2	94.1
45208	1	.2	.2	94.3
45402	1	.2	.2	94.5
45601	1	.2	.2	94.7
45619	1	.2	.2	94.9
45696	1	.2	.2	95.1
46052	1	.2	.2	95.3
48042	1	.2	.2	95.5
48187	1	.2	.2	95.7
49423	1	.2	.2	95.8
53202	1	.2	.2	96.0
54624	1	.2	.2	96.2
59405	1	.2	.2	96.4
60067	1	.2	.2	96.6
60110	1	.2	.2	96.8
63101	1	.2	.2	97.0
65721	1	.2	.2	97.2
66215	1	.2	.2	97.4
68025	1	.2	.2	97.6
70737	1	.2	.2	97.8
75034	1	.2	.2	98.0
76110	1	.2	.2	98.2
80013	1	.2	.2	98.4
80127	1	.2	.2	98.6
80504	1	.2	.2	98.8
80507	1	.2	.2	99.0
83616	1	.2	.2	99.2
89123	1	.2	.2	99.4
90027	1	.2	.2	99.6

	Frequency	Percent	Valid Percent	Cumulative Percent
92260	1	.2	.2	99.8
94706	1	.2	.2	100.0
Total	506	97.1	100.0	
Missing System	15	2.9		
Total	521	100.0		

q26 What is the highest level of education you have completed?

Education

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than high school	1	.2	.2	.2
	High school grad	67	12.9	13.1	13.3
	Some college	77	14.8	15.1	28.4
	Assoc/com college grad	40	7.7	7.8	36.2
	Bach/college grad	194	37.2	38.0	74.2
	Masters	95	18.2	18.6	92.8
	PhD	23	4.4	4.5	97.3
	Law grad	6	1.2	1.2	98.4
	Med grad	8	1.5	1.6	100.0
	Total	511	98.1	100.0	
Missing	System	10	1.9		
Total		521	100.0		

q28 As close as you can recall, what is your household's total annual income before taxes? Is it \$25 thousand dollars or less; between \$25,001 and \$50,000; between \$50,001, and \$75,000; between \$75,001 and \$100,000; or more than \$100,000?

Household income

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	\$25,000 or less	32	6.1	7.4	7.4
	\$25,001-\$50,000	62	11.9	14.3	21.6
	\$50,001-\$75,000	71	13.6	16.3	37.9
	\$75,001-\$100,000	93	17.9	21.4	59.3
	More than \$100,000	177	34.0	40.7	100.0
	Total	435	83.5	100.0	
Missing	System	86	16.5		
Total		521	100.0		

q29 Respondent gender:

Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	286	54.9	55.9	55.9
	Female	226	43.4	44.1	100.0
	Total	512	98.3	100.0	
Missing	System	9	1.7		
Total		521	100.0		

q30 Respondent race:

Race

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	White (non-Hispanic/Latino)	503	96.5	98.2	98.2
	Hispanic/Latino American Indian/Alaskan Native	1	.2	.2	98.4
	Black/African American	1	.2	.2	98.6
	Asian/Pacific Islander	3	.6	.6	99.2
	Other	3	.6	.6	99.8
	Total	1	.2	.2	100.0
Missing	System	512	98.3	100.0	
Total		9	1.7		
		521	100.0		

Race: Other (description)

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	521	100.0	100.0	100.0

q31 Interview site:

Interview site

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	BICR	120	23.0	23.0	23.0
	CBNERR	208	39.9	39.9	63.0
	MINERR	103	19.8	19.8	82.7
	RCNERR	90	17.3	17.3	100.0
	Total	521	100.0	100.0	

Appendix G: Crosstabulation by Site Tables

Nota Bene: Caution should be used in interpreting the data from the individual reserve sites, as the number of respondents may limit the statistical significance of the results. The data represented by this study are intended to be representative of the four reserve sites as a whole, rather than individual units. Therefore, extreme caution should be used when interpreting data at the reserve unit level.

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Interviewer * Interview site	519	99.6%	2	.4%	521	100.0%
Interview date * Interview site	520	99.8%	1	.2%	521	100.0%
Year born * Interview site	514	98.7%	7	1.3%	521	100.0%
Individuals in party * Interview site	515	98.8%	6	1.2%	521	100.0%
Means of transportation * Interview site	514	98.7%	7	1.3%	521	100.0%
Means of transportation: other (description) * Interview site	521	100.0%	0	.0%	521	100.0%
Visited before * Interview site	519	99.6%	2	.4%	521	100.0%
Normal site * Interview site	343	65.8%	178	34.2%	521	100.0%
Years visiting site * Interview site	344	66.0%	177	34.0%	521	100.0%
Times per year * Interview site	345	66.2%	176	33.8%	521	100.0%
Environmental conditions * Interview site	337	64.7%	184	35.3%	521	100.0%
Too many rules * Interview site	345	66.2%	176	33.8%	521	100.0%
Changing character * Interview site	345	66.2%	176	33.8%	521	100.0%
Limit use * Interview site	343	65.8%	178	34.2%	521	100.0%
Properly managed * Interview site	343	65.8%	178	34.2%	521	100.0%
Increased enforcement * Interview site	341	65.5%	180	34.5%	521	100.0%
Most serious problem (category) * Interview site	521	100.0%	0	.0%	521	100.0%
Activities: Boating * Interview site	59	11.3%	462	88.7%	521	100.0%
Activities: Camping * Interview site	3	.6%	518	99.4%	521	100.0%
Activities: Fishing * Interview site	50	9.6%	471	90.4%	521	100.0%
Activities: Jet skiing/PWC * Interview site	1	.2%	520	99.8%	521	100.0%
Activities: Kite flying * Interview site	7	1.3%	514	98.7%	521	100.0%
Activities: Picnicking * Interview site	26	5.0%	495	95.0%	521	100.0%
Activities: Sailing * Interview site	2	.4%	519	99.6%	521	100.0%

Activities: Shelling * Interview site	96	18.4%	425	81.6%	521	100.0%
Activities: Sunbathing * Interview site	105	20.2%	416	79.8%	521	100.0%
Activities: Surfing * Interview site	28	5.4%	493	94.6%	521	100.0%
Activities: Swimming * Interview site	164	31.5%	357	68.5%	521	100.0%
Activities: Walking/hiking * Interview site	288	55.3%	233	44.7%	521	100.0%
Activities: Wildlife observation * Interview site	98	18.8%	423	81.2%	521	100.0%
Activities: Other * Interview site	122	23.4%	399	76.6%	521	100.0%
Activities: Other (description) * Interview site	521	100.0%	0	.0%	521	100.0%
Who owns site (category) * Interview site	521	100.0%	0	.0%	521	100.0%
Who manages site (category) * Interview site	521	100.0%	0	.0%	521	100.0%
Heard of NCNERR/NCCRP * Interview site	516	99.0%	5	1.0%	521	100.0%
Site part of NCNERR/NCCRP * Interview site	184	35.3%	337	64.7%	521	100.0%
Know mission of NCNERR/NCCRP * Interview site	180	34.5%	341	65.5%	521	100.0%
Mission of NCNERR/NCCRP (category) * Interview site	521	100.0%	0	.0%	521	100.0%
Site visit: BHWCR * Interview site	18	3.5%	503	96.5%	521	100.0%
Site visit: BICR * Interview site	8	1.5%	513	98.5%	521	100.0%
Site visit: BWCR * Interview site	9	1.7%	512	98.3%	521	100.0%
Site visit: CBNERR * Interview site	11	2.1%	510	97.9%	521	100.0%
Site visit: KHWCR * Interview site	20	3.8%	501	96.2%	521	100.0%
Site visit: MINERR * Interview site	15	2.9%	506	97.1%	521	100.0%
Site visit: PICR * Interview site	1	.2%	520	99.8%	521	100.0%
Site visit: RCNERR * Interview site	7	1.3%	514	98.7%	521	100.0%
Site visit: ZINERR * Interview site	7	1.3%	514	98.7%	521	100.0%

Site visit: Other1 * Interview site	20	3.8%	501	96.2%	521	100.0%
Site visit: Other1 (description) * Interview site	521	100.0%	0	.0%	521	100.0%
Site visit: Other2 * Interview site	6	1.2%	515	98.8%	521	100.0%
Site visit: Other2 (description) * Interview site	521	100.0%	0	.0%	521	100.0%
Site visit: BHWCR (prompt) * Interview site	88	16.9%	433	83.1%	521	100.0%
Site visit: BICR (prompt) * Interview site	106	20.3%	415	79.7%	521	100.0%
Site visit: BCR (prompt) * Interview site	4	.8%	517	99.2%	521	100.0%
Site visit: BWCR (prompt) * Interview site	45	8.6%	476	91.4%	521	100.0%
Site visit: CBNERR (prompt) * Interview site	79	15.2%	442	84.8%	521	100.0%
Site visit: KHWCR (prompt) * Interview site	116	22.3%	405	77.7%	521	100.0%
Site visit: MINERR (prompt) * Interview site	88	16.9%	433	83.1%	521	100.0%
Site visit: PICR (prompt) * Interview site	6	1.2%	515	98.8%	521	100.0%
Site visit: RCNERR (prompt) * Interview site	19	3.6%	502	96.4%	521	100.0%
Site visit: ZINERR (prompt) * Interview site	30	5.8%	491	94.2%	521	100.0%
Bring dog * Interview site	514	98.7%	7	1.3%	521	100.0%
Dog on leash * Interview site	92	17.7%	429	82.3%	521	100.0%
Zip * Interview site	506	97.1%	15	2.9%	521	100.0%
Education * Interview site	511	98.1%	10	1.9%	521	100.0%
Household income * Interview site	435	83.5%	86	16.5%	521	100.0%
Gender * Interview site	512	98.3%	9	1.7%	521	100.0%
Race * Interview site	512	98.3%	9	1.7%	521	100.0%
Race: Other (description) * Interview site	521	100.0%	0	.0%	521	100.0%

Interviewer * Interview site Crosstabulation

		Count				
		Interview site				Total
		BICR	CBNERR	MINERR	RCNERR	
Interviewer	Baugh, Erica	0	183	0	0	183
	Denault, Teri	0	0	0	30	30
	Dunn, Robert	44	0	37	0	81
	Dworsky, Susan	0	21	0	0	21
	Gillikin, Paula	0	0	0	50	50
	Mitchell, Melissa	48	0	45	0	93
	Wells, Heather	0	0	12	0	12
	Ellin, Rebecca	0	0	0	6	6
	Luther, Meg	0	0	0	1	1
	Ott, Jacquie	0	0	9	0	9
	Sauls, Amy	0	0	0	1	1
	Wunderly, Ann	0	4	0	0	4
	Barber, Jim	2	0	0	0	2
	Barber, Linda	2	0	0	0	2
	Ducher, Bill	4	0	0	0	4
	Eisenacher, Lee	4	0	0	0	4
	McNally, Annie	4	0	0	0	4
	Scruggs, Buddy	5	0	0	0	5
	Scruggs, Judy	3	0	0	0	3
	Strandquist, Jim	2	0	0	0	2
Strandquist, Lynn	2	0	0	0	2	
Total		120	208	103	88	519

Interview date * Interview site Crosstabulation

		Count				
		Interview site				Total
		BICR	CBNERR	MINERR	RCNERR	
Interview date	06/01/2007	1	8	8	0	17
	06/02/2007	7	0	0	0	7
	06/03/2007	1	0	0	0	1
	06/04/2007	12	3	0	0	15
	06/05/2007	0	1	0	0	1
	06/07/2007	0	4	0	0	4
	06/11/2007	0	13	1	0	14
	06/12/2007	0	14	11	2	27
	06/14/2007	0	1	0	1	2
	06/15/2007	1	16	0	1	18
	06/16/2007	4	13	0	0	17
	06/17/2007	0	1	0	0	1
	06/18/2007	0	12	0	1	13
	06/20/2007	0	0	0	1	1
	06/21/2007	12	10	0	0	22
	06/22/2007	0	14	0	1	15
	06/23/2007	0	12	8	0	20
	06/24/2007	0	0	0	1	1
	06/26/2007	0	4	0	0	4
	06/27/2007	0	0	8	1	9
	06/28/2007	0	5	0	0	5
	06/29/2007	0	0	0	3	3
	07/01/2007	6	0	0	0	6
	07/02/2007	0	0	0	3	3
	07/03/2007	0	0	0	5	5
	07/05/2007	0	3	0	5	8
	07/06/2007	8	0	0	1	9
	07/08/2007	0	0	7	0	7
	07/09/2007	0	2	0	0	2
	07/11/2007	0	5	6	4	15
	07/12/2007	0	4	0	0	4
	07/13/2007	0	9	0	0	9
	07/14/2007	2	0	0	0	2
	07/15/2007	0	7	0	0	7
07/17/2007	0	13	0	0	13	
07/19/2007	13	0	0	0	13	
07/21/2007	0	0	7	0	7	
07/24/2007	0	4	10	0	14	
07/25/2007	0	2	0	0	2	
07/27/2007	0	0	0	5	5	
07/28/2007	0	0	0	2	2	
07/29/2007	11	0	0	0	11	

07/31/2007	0	6	0	2	8
08/01/2007	13	0	0	0	13
08/04/2007	0	0	7	0	7
08/05/2007	0	0	9	0	9
08/07/2007	0	1	0	0	1
08/19/2007	0	0	0	3	3
08/24/2007	0	0	0	1	1
08/30/2007	0	0	0	1	1
08/31/2007	0	0	0	2	2
09/04/2007	0	0	1	0	1
09/10/2007	0	0	2	0	2
09/15/2007	0	0	0	1	1
09/16/2007	0	0	0	6	6
09/17/2007	0	4	0	0	4
09/18/2007	0	0	5	4	9
09/26/2007	0	1	0	2	3
09/29/2007	0	0	0	4	4
10/02/2007	0	0	3	0	3
10/03/2007	0	5	5	6	16
10/10/2007	0	2	0	0	2
10/11/2007	0	0	0	4	4
10/12/2007	4	0	0	0	4
10/13/2007	4	0	0	0	4
10/16/2007	0	4	0	0	4
10/17/2007	0	3	3	5	11
10/21/2007	8	0	0	2	10
10/22/2007	2	0	0	0	2
10/23/2007	5	0	0	1	6
10/24/2007	0	2	0	3	5
10/25/2007	1	0	0	4	5
10/26/2007	0	0	0	2	2
10/27/2007	4	0	0	0	4
10/28/2007	0	0	2	0	2
Total	119	208	103	90	520

q2 In what year were you born?

Year born * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Year born	1924	0	1	0	0	1
	1926	1	0	0	0	1
	1927	1	0	0	0	1
	1929	1	0	0	0	1
	1931	1	1	0	0	2
	1933	1	0	0	1	2
	1935	1	3	1	0	5
	1936	1	0	0	0	1
	1937	1	0	0	1	2
	1938	2	0	0	1	3
	1939	1	0	0	0	1
	1940	1	1	0	3	5
	1941	0	2	0	0	2
	1942	5	3	1	1	10
	1943	1	4	0	2	7
	1944	4	1	0	0	5
	1945	2	5	0	2	9
	1946	4	5	1	2	12
	1947	3	1	3	2	9
	1948	2	2	0	2	6
	1949	8	3	0	2	13
	1950	2	3	0	1	6
	1951	5	3	2	4	14
	1952	5	6	7	2	20
	1953	2	5	3	1	11
	1954	4	4	2	0	10
	1955	5	6	2	0	13
	1956	3	2	3	2	10
	1957	3	2	1	3	9
	1958	3	8	2	2	15
	1959	4	11	3	1	19
	1960	3	4	5	4	16
	1961	0	5	4	0	9
1962	3	10	2	3	18	
1963	2	2	2	1	7	
1964	2	13	2	4	21	
1965	2	6	1	3	12	
1966	1	3	3	1	8	
1967	1	2	4	2	9	
1968	0	9	3	1	13	

1969	1	6	3	4	14
1970	3	9	3	1	16
1971	0	7	5	2	14
1972	1	3	1	3	8
1973	3	2	4	1	10
1974	0	1	5	1	7
1975	2	3	1	3	9
1976	0	3	0	3	6
1977	2	5	1	2	10
1978	2	1	2	1	6
1979	0	3	2	2	7
1980	1	3	2	1	7
1981	1	3	3	0	7
1982	1	4	2	3	10
1983	3	2	1	1	7
1984	1	1	3	3	8
1985	1	6	1	0	8
1986	2	0	1	4	7
1987	3	3	0	1	7
1988	0	4	1	0	5
1989	0	2	0	0	2
1991	0	1	0	0	1
Total	118	208	98	90	514

q3 How many individuals are in your group/party today?

Individuals in party * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Individuals in party	1	19	20	5	10	54
	2	41	64	30	25	160
	3	9	21	17	11	58
	4	16	22	14	14	66
	5	8	22	8	8	46
	6	6	17	6	5	34
	7	3	6	4	0	13
	8	4	11	2	1	18
	9	1	7	3	2	13
	10	2	2	3	0	7
	11	0	2	2	1	5
	12	1	3	1	1	6
	13	2	1	1	1	5
	14	1	4	1	1	7
	15	0	3	1	0	4
	16	1	0	0	1	2
	17	0	1	0	0	1
	19	1	1	0	0	2
	20	1	0	0	3	4
	21	0	0	0	1	1
	25	1	0	0	3	4
	58	1	0	0	0	1
	65	0	0	1	0	1
	66	0	0	1	0	1
	74	1	0	0	0	1
75	0	0	1	0	1	
Total		119	207	101	88	515

q5 What means of transportation did you use to get to this site today?

Means of transportation * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Means of transportation	Bicycle	9	4	0	0	13
	Canoe	0	0	0	6	6
	Electric-powered boat	0	0	3	1	4
	Gasoline-powered boat	0	0	92	52	144
	Jet ski/PWC	0	0	2	1	3
	Kayak	0	0	3	13	16
	Motorcycle	1	1	0	0	2
	Personal vehicle	23	187	0	0	210
	Surfboard	0	0	2	0	2
	Tour/charter boat	0	0	0	14	14
	Walked	86	11	0	0	97
	Other	0	1	0	2	3
Total		119	204	102	89	514

Means of transportation: other (description) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Means of transportation: other (description)	Rachel Carson	120	207	103	88	518
	rental boat	0	0	0	1	1
	rental car	0	0	0	1	1
		0	1	0	0	1
Total		120	208	103	90	521

q7 Have you visited this site before today?

Visited before * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Visited before	Yes	97	89	89	66	341
	No	23	118	13	24	178
Total		120	207	102	90	519

q8 Is this location where you normally come for recreation or to visit this site?

Normal site * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Normal site	Yes	87	88	81	48	304
	No	10	1	9	19	39
Total		97	89	90	67	343

q10 For how many years have you visited this site?

Years visiting site * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Years visiting site	First year	8	15	8	9	40
	2-4 years	18	33	17	8	76
	5-7 years	13	11	19	8	51
	8-10 years	8	6	2	4	20
	More than 10 years	52	24	44	37	157
Total		99	89	90	66	344

q11 How many times per year do you normally visit this site?

Times per year * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Times per year	1-10 visits	68	84	43	32	227
	11-20 visits	12	2	20	11	45
	21-30 visits	4	1	11	9	25
	31-40 visits	2	0	2	3	7
	41-50 visits	4	2	3	2	11
	More than 50 visits	9	0	12	9	30
Total		99	89	91	66	345

q12 In your opinion, are the environmental conditions (including litter, water conditions, beach conditions, scenic resources, crowding, etc.) on this site:

Environmental conditions * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Environmental conditions	Getting better	20	9	12	12	53
	Staying same	56	57	55	41	209
	Getting worse	21	19	23	12	75
Total		97	85	90	65	337

q13 Please state whether you agree, disagree or don't know regarding the following statements:

q13a There are too many rules and regulations that govern what I can do on this site.

Too many rules * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Too many rules	Agree	2	1	2	5	10
	Disagree	89	79	62	49	279
	Don't know	8	9	27	12	56
Total		99	89	91	66	345

q13b Increased recreational use is negatively changing the character of this site.

Changing character * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Changing character	Agree	40	15	30	13	98
	Disagree	46	59	53	46	204
	Don't know	13	15	8	7	43
Total		99	89	91	66	345

q13c I would support limiting uses that threaten this site.

Limit use * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Limit use	Agree	92	72	70	45	279
	Disagree	3	13	15	18	49
	Don't know	3	4	6	2	15
Total		98	89	91	65	343

q13d This site is managed properly.

Properly managed * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Properly managed	Agree	69	84	61	58	272
	Disagree	10	1	8	1	20
	Don't know	19	4	21	7	51
Total		98	89	90	66	343

q13e I think there should be increased enforcement of regulations on this site.

Increased enforcement * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Increased enforcement	Agree	45	18	25	15	103
	Disagree	33	58	47	41	179
	Don't know	18	13	18	10	59
Total		96	89	90	66	341

q14 What is the ONE MOST serious management problem on this site today? .

Most serious problem (category) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Most serious problem (category)		43	141	22	33	239
	boat traffic	1	0	5	4	10
	camping issues	0	0	4	2	6
	cars and traffic	0	33	1	0	34
	crowding	2	3	2	2	9
	dog issues	0	1	0	4	5
	erosion issues	9	0	0	0	9
	horse issues	0	0	0	3	3
	inappropriate behavior	30	3	12	2	47
	lack of public facilities	2	3	5	0	10
	litter	13	2	28	17	60
	no management problems	15	18	18	16	67
	other	3	4	2	1	10
	water pollution	2	0	4	6	12
Total		120	208	103	90	521

q15 What activities do you plan to participate in while you are on this site today? (Check all responses)

Activities: Boating * Interview site Crosstabulation

	Interview site			Total
	BICR	MINERR	RCNERR	
Activities: Boating Yes	1	21	37	59
Total	1	21	37	59

Activities: Camping * Interview site Crosstabulation

	Interview site	Total
	MINERR	
Activities: Camping Yes	3	3
Total	3	3

Activities: Fishing * Interview site Crosstabulation

	Interview site				Total
	BICR	CBNERR	MINERR	RCNERR	
Activities: Fishing Yes	3	19	11	17	50
Total	3	19	11	17	50

Activities: Jet skiing/PWC * Interview site Crosstabulation

	Interview site	Total
	MINERR	
Activities: Jet skiing/PWC Yes	1	1
Total	1	1

Activities: Kite flying * Interview site Crosstabulation

	Interview site		Total
	CBNERR	RCNERR	
Activities: Kite flying Yes	4	3	7
Total	4	3	7

Activities: Picnicking * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities: Picnicking	Yes	3	2	8	13	26
Total		3	2	8	13	26

Activities: Sailing * Interview site Crosstabulation

		Count		Total
		Interview site		
		MINERR	RCNERR	
Activities: Sailing	Yes	1	1	2
Total		1	1	2

Activities: Shelling * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities: Shelling	Yes	16	4	38	38	96
Total		16	4	38	38	96

Activities: Sunbathing * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities: Sunbathing	Yes	18	30	31	26	105
Total		18	30	31	26	105

Activities: Surfing * Interview site Crosstabulation

		Count		Total
		Interview site		
		CBNERR	MINERR	
Activities: Surfing	Yes	5	23	28
Total		5	23	28

Activities: Swimming * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities: Swimming	Yes	31	38	59	36	164
Total		31	38	59	36	164

Activities: Walking/hiking * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities: Walking/hiking	Yes	103	111	32	42	288
Total		103	111	32	42	288

Activities: Wildlife observation * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities: Wildlife observation	Yes	17	47	7	27	98
Total		17	47	7	27	98

Activities: Other * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities: Other	Yes	25	39	23	35	122
Total		25	39	23	35	122

Activities: Other (description) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Activities:		95	170	79	55	399
Other						
(description)	beachcombing	0	1	0	0	1
	biking	3	1	0	0	4
	biking, frisbee	1	0	0	0	1
	birdwatching	2	1	0	1	4
	bocci ball	0	0	0	1	1
	bocci ball and tubing	0	0	1	0	1
	cooking	0	0	1	0	1
	crabbing	0	0	2	0	2
	digging holes	0	0	1	1	2
	drinking	0	2	1	0	3
	drinking beer and skimboarding	0	0	1	0	1
	dropping off ferry passengers	0	0	0	2	2
	eating	0	1	0	0	1
	enjoying the beach	1	0	0	0	1
	exploration	1	0	0	0	1
	feeding seagulls	1	0	0	0	1
	football	0	0	1	0	1
	frisbee	0	1	0	1	2
	golf	1	0	0	0	1
	hiking	0	0	0	2	2
	horse watching	0	0	0	5	5
	jogging	0	1	0	0	1
	kayaking	2	0	0	6	8
	Kindred Spirit mailbox	6	0	0	0	6
	kite surfing	0	0	0	1	1
	part of Duke trip program-education	0	0	0	1	1
	people watching	1	0	0	0	1
	photography	2	17	0	0	19
	photography, geocaching	0	1	0	0	1
	photography, horse watching	0	0	0	1	1
	picking up garbage	0	0	1	2	3
	playing catch	1	0	0	0	1
	playing in the sand	0	0	1	0	1
	playing with dogs	0	0	1	2	3
	read interpretive signs	0	1	0	0	1
	reading	0	1	0	0	1
	relaxation	3	3	8	2	16

research-collection sample	0	0	0	1	1
sand castles	0	2	1	0	3
scrubbing fouling off hull of boat	0	0	0	1	1
sex	0	0	0	1	1
shellfishing	0	0	0	1	1
shellfishing, snorkeling	0	0	0	1	1
sightseeing	0	5	0	0	5
skim boarding	0	0	1	0	1
sleeping	0	0	1	0	1
taking field trip around trail with NC NERR education staff	0	0	0	1	1
tubing	0	0	2	0	2
wind surfing, kayaking	0	0	0	1	1
Total	120	208	103	90	521

q16 Who owns this site?

Who owns site (category) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Who owns	CR/NERR	1	7	0	3	11
site	don't know	30	49	32	21	132
(category)	federal	4	20	1	4	29
	local gov't	2	11	1	0	14
	non-governmental	1	2	4	5	12
	other	5	10	4	4	23
	the government	2	4	0	0	6
	the public	2	1	4	6	13
	the state	73	104	57	47	281
Total		120	208	103	90	521

q17 Who manages this site?

Who manages site (category) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Who manages site (category)	CR/NERR	30	33	18	7	88
	don't know	44	67	46	19	176
	federal	2	12	3	8	25
	local gov't	4	22	2	1	29
	non-governmental	1	4	2	13	20
	other	6	9	5	6	26
	the state	33	61	27	36	157
Total		120	208	103	90	521

q18 Prior to this survey, had you ever heard of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

Heard of NCNERR/NCCRP * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Heard of NCNERR/NCCRP	Yes	52	37	38	47	174
	No	67	169	63	43	342
Total		119	206	101	90	516

q19 Is this site a part of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

Site part of NCNERR/NCCRP * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site part of NCNERR/NCCRP	Yes	45	35	29	43	152
	No	1	0	0	1	2
	Don't know	9	4	11	6	30
Total		55	39	40	50	184

q20 Do you know the mission of the North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve Program? (Ask whichever is appropriate)

Know mission of NCNERR/NCCRP * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Know mission of NCNERR/NCCRP	Yes	23	20	20	27	90
	No	30	19	19	22	90
Total		53	39	39	49	180

q21 Please explain the mission of the North Carolina National Estuarine Research Reserve Program OR North Carolina Coastal Reserve Program in your own words. (Ask whichever is appropriate)

Mission of NCNERR/NCCRP (category) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Mission of NCNERR/NCCRP (category)	research	98	188	84	64	434
	resource protection	0	1	0	0	1
	resource protection and education	22	15	16	22	75
	resource protection and research	0	1	0	1	2
	resource protection, education and research	0	3	3	2	8
	resource protection, education and research	0	0	0	1	1
Total		120	208	103	90	521

q22 Apart from this site, which other North Carolina National Estuarine Research Reserve/North Carolina Coastal Reserve sites do you visit?

Site visit: BHWCR * Interview site Crosstabulation

		Count				
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	Total
Site visit: BHWCR	Yes	6	1	9	2	18
Total		6	1	9	2	18

Site visit: BICR * Interview site Crosstabulation

		Count				
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	Total
Site visit: BICR	Yes	2	1	4	1	8
Total		2	1	4	1	8

Site visit: BWCR * Interview site Crosstabulation

		Count				
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	Total
Site visit: BWCR	Yes	1	3	2	3	9
Total		1	3	2	3	9

Site visit: CBNERR * Interview site Crosstabulation

		Count				
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	Total
Site visit: CBNERR	Yes	2	1	5	3	11
Total		2	1	5	3	11

Site visit: KHWCR * Interview site Crosstabulation

		Count				
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	Total
Site visit: KHWCR	Yes	5	4	7	4	20
Total		5	4	7	4	20

Site visit: MINERR * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: MINERR	Yes	2	1	8	4	15
Total		2	1	8	4	15

Site visit: PICR * Interview site Crosstabulation

		Count	
		Interview site	Total
		MINERR	
Site visit: PICR	Yes	1	1
Total		1	1

Site visit: RCNERR * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: RCNERR	Yes	1	1	3	2	7
Total		1	1	3	2	7

Site visit: ZINERR * Interview site Crosstabulation

		Count			Total
		Interview site			
		BICR	MINERR	RCNERR	
Site visit: ZINERR	Yes	1	4	2	7
Total		1	4	2	7

Site visit: Other1 * Interview site Crosstabulation

		Count			Total
		Interview site			
		BICR	MINERR	RCNERR	
Site visit: Other1	Yes	7	2	11	20
Total		7	2	11	20

Site visit: Other1 (description) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: Other1 (description)		112	208	102	79	501
	Cape Lookout	0	0	1	5	6
	Carolina Beach	0	0	0	1	1
	don't know	2	0	0	2	4
	Fire Island	1	0	0	0	1
	Fort Fisher	1	0	0	0	1
	Fort Macon	0	0	0	1	1
	Holden Beach	1	0	0	0	1
	marsh behind Pine Knoll					
	Shores Aquarium	0	0	0	1	1
	none of them	0	0	0	1	1
	Ocracoke Island	2	0	0	0	2
	Outer Banks	1	0	0	0	1
Total		120	208	103	90	521

Site visit: Other2 * Interview site Crosstabulation

		Count			Total
		Interview site			
		BICR	MINERR	RCNERR	
Site visit: Other2	Yes	1	1	4	6
Total		1	1	4	6

Site visit: Other2 (description) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: Other2 (description)		119	208	102	86	515
	Portsmith	0	0	1	0	1
	Shackleford Banks	1	0	0	4	5
Total		120	208	103	90	521

q23_1 Apart from this site, have you visited any of the following locations?

Site visit: BHWCR (prompt) * Interview site Crosstabulation

	Count				Total
	Interview site				
	BICR	CBNERR	MINERR	RCNERR	
Site visit: BHWCR Yes (prompt)	33	5	38	12	88
Total	33	5	38	12	88

Site visit: BICR (prompt) * Interview site Crosstabulation

	Count				Total
	Interview site				
	BICR	CBNERR	MINERR	RCNERR	
Site visit: BICR (prompt) Yes	65	7	25	9	106
Total	65	7	25	9	106

Site visit: BCR (prompt) * Interview site Crosstabulation

	Count			Total
	Interview site			
	BICR	CBNERR	RCNERR	
Site visit: BCR (prompt) Yes	1	2	1	4
Total	1	2	1	4

Site visit: BWCR (prompt) * Interview site Crosstabulation

	Count				Total
	Interview site				
	BICR	CBNERR	MINERR	RCNERR	
Site visit: BWCR (prompt) Yes	10	13	13	9	45
Total	10	13	13	9	45

Site visit: CBNERR (prompt) * Interview site Crosstabulation

	Count				Total
	Interview site				
	BICR	CBNERR	MINERR	RCNERR	
Site visit: CBNERR Yes (prompt)	24	21	26	8	79
Total	24	21	26	8	79

Site visit: KHWCR (prompt) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: KHWCR (prompt)	Yes	37	22	34	23	116
Total		37	22	34	23	116

Site visit: MINERR (prompt) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: MINERR (prompt)	Yes	13	3	59	13	88
Total		13	3	59	13	88

Site visit: PICR (prompt) * Interview site Crosstabulation

		Count			Total
		Interview site			
		MINERR	RCNERR		
Site visit: PICR (prompt)	Yes	5	1	6	
Total		5	1	6	

Site visit: RCNERR (prompt) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: RCNERR (prompt)	Yes	8	2	6	3	19
Total		8	2	6	3	19

Site visit: ZINERR (prompt) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Site visit: ZINERR (prompt)	Yes	4	1	22	3	30
Total		4	1	22	3	30

q23_2 Do you bring a dog with you when you visit the site?

Bring dog * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Bring dog	Yes	16	17	33	27	93
	No	102	189	67	63	421
Total		118	206	100	90	514

q24 Do you always keep the dog on a leash?

Dog on leash * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Dog on leash	Yes	12	11	3	9	35
	No	4	6	29	18	57
Total		16	17	32	27	92

q25 What is the zip code of your permanent residence?

Zip * Interview site Crosstabulation

		Count				
		Interview site				Total
		BICR	CBNERR	MINERR	RCNERR	
Zip	1060	0	1	0	0	1
	2118	0	1	0	0	1
	2543	0	1	0	0	1
	3216	1	0	0	0	1
	4843	0	1	0	0	1
	5753	1	0	0	0	1
	6070	0	1	0	0	1
	6830	0	0	0	1	1
	7065	0	1	0	0	1
	7070	0	1	0	0	1
	7480	0	1	0	0	1
	7626	0	1	0	0	1
	7701	0	1	0	0	1
	7733	0	1	0	0	1
	7735	0	1	0	0	1
	7860	0	1	0	0	1
	7869	1	0	0	0	1
	7871	0	1	0	0	1
	8053	0	1	0	0	1
	8201	0	0	1	0	1
	8542	0	0	0	1	1
	8836	0	1	0	0	1
	10025	1	0	0	0	1
	10103	1	0	0	0	1
	10509	0	1	0	0	1
	10918	0	1	0	0	1
	10960	1	0	0	0	1
	10962	1	0	0	0	1
	11218	0	1	0	0	1
	11370	1	0	0	0	1
	11780	1	0	0	0	1
	12203	0	1	0	0	1
	12306	0	1	0	0	1
	12586	0	1	0	0	1
	13057	0	1	0	0	1
	14216	0	1	0	0	1
	14450	0	1	0	0	1
	15063	0	1	0	0	1
	15101	0	1	0	0	1
	15122	0	1	0	0	1

15202	1	0	0	0	1
15379	0	1	0	0	1
15905	0	1	0	0	1
16033	0	1	0	0	1
16053	0	1	0	0	1
16055	1	0	0	0	1
16124	0	1	0	0	1
16127	1	0	0	0	1
16154	0	1	0	0	1
16335	0	1	0	0	1
16617	0	1	0	0	1
16648	0	1	0	0	1
16701	0	1	0	0	1
16801	0	1	0	0	1
16936	0	1	0	0	1
17007	0	1	0	0	1
17029	0	1	0	0	1
17067	0	1	0	0	1
17110	0	1	0	0	1
17406	0	1	0	0	1
17519	0	1	0	0	1
17543	1	1	0	0	2
17552	0	1	0	0	1
17603	0	1	0	0	1
17876	0	1	0	0	1
17901	0	1	0	0	1
18202	0	1	0	0	1
18635	0	1	0	0	1
18902	0	1	0	0	1
18951	0	1	0	0	1
18960	0	0	0	1	1
18974	0	1	0	0	1
19002	0	1	0	0	1
19038	0	1	0	0	1
19067	0	1	0	0	1
19114	0	1	0	0	1
19403	0	1	0	0	1
19547	0	1	0	0	1
19606	0	1	0	0	1
19608	0	1	0	0	1
19701	0	1	0	0	1
19707	0	1	0	0	1
19933	0	1	0	0	1
20003	0	1	0	0	1
20009	0	1	0	0	1
20169	0	1	0	0	1
20170	0	1	0	0	1

20650	0	1	0	0	1
20720	0	1	0	0	1
20850	0	1	0	0	1
20854	0	1	0	0	1
20901	0	1	0	0	1
20903	0	1	0	0	1
20904	0	1	0	0	1
20910	0	1	0	0	1
20912	0	1	0	0	1
21013	0	1	0	0	1
21030	0	0	1	0	1
21042	1	1	0	0	2
21075	0	0	1	0	1
21093	0	1	0	0	1
21111	0	1	0	0	1
21401	0	1	1	0	2
21403	0	0	1	0	1
21502	0	1	0	0	1
21703	0	1	0	0	1
21713	1	0	0	0	1
21737	1	0	0	0	1
21742	1	0	0	0	1
21771	0	1	0	0	1
21784	0	0	0	1	1
21804	0	1	0	0	1
21921	0	1	0	0	1
22026	0	1	0	0	1
22066	0	1	0	0	1
22192	0	1	0	0	1
22310	1	0	0	0	1
22427	0	1	0	0	1
22554	0	0	1	0	1
22560	0	1	0	0	1
22601	0	0	1	0	1
22630	0	1	0	0	1
22802	0	1	0	0	1
22911	0	0	1	0	1
22980	0	1	0	0	1
23002	0	1	0	0	1
23015	0	1	0	0	1
23103	0	1	0	0	1
23111	0	1	0	0	1
23185	0	1	0	0	1
23220	0	1	0	0	1
23227	0	1	0	0	1
23322	0	2	0	0	2
23325	0	1	0	0	1

23356	0	1	0	0	1
23451	0	0	0	1	1
23456	0	1	0	0	1
23513	0	1	0	0	1
23664	0	1	0	0	1
23692	0	1	0	0	1
23703	0	1	0	0	1
23829	0	1	0	0	1
23890	2	0	0	0	2
24014	0	0	0	1	1
24019	1	0	0	0	1
24273	1	0	0	0	1
24401	0	1	0	0	1
24450	0	1	0	0	1
24502	1	0	0	0	1
24503	1	0	0	0	1
25314	1	0	0	0	1
25526	0	1	0	0	1
25705	0	1	0	0	1
26170	0	1	0	0	1
26254	0	1	0	0	1
26726	1	0	0	0	1
27021	1	0	0	0	1
27030	0	1	0	0	1
27040	1	1	0	0	2
27045	1	0	0	0	1
27103	0	1	0	0	1
27104	1	0	1	0	2
27106	1	1	0	0	2
27107	0	1	0	0	1
27109	0	0	1	0	1
27215	0	0	0	1	1
27243	0	0	0	1	1
27244	0	1	0	0	1
27253	1	0	0	0	1
27262	1	0	0	0	1
27284	0	1	0	0	1
27295	0	0	0	1	1
27298	0	1	0	0	1
27302	1	0	0	0	1
27403	1	0	0	1	2
27410	3	0	1	1	5
27425	0	0	0	1	1
27455	0	0	1	0	1
27502	1	0	0	0	1
27503	0	0	0	1	1
27504	0	0	0	1	1

27510	2	0	0	0	2
27511	0	0	2	1	3
27513	1	0	0	0	1
27514	2	1	0	0	3
27516	1	0	1	0	2
27517	1	0	1	0	2
27519	0	0	0	1	1
27523	0	1	0	0	1
27526	0	0	2	1	3
27529	1	1	0	0	2
27539	0	0	1	0	1
27540	0	0	1	0	1
27568	0	0	0	1	1
27587	0	0	0	1	1
27592	0	0	0	1	1
27596	0	0	0	2	2
27606	1	0	0	0	1
27613	0	0	0	1	1
27615	1	0	0	2	3
27616	0	0	0	1	1
27703	0	0	0	1	1
27712	0	1	0	0	1
27713	0	0	0	2	2
27828	0	0	0	2	2
27833	0	0	1	0	1
27846	0	1	0	0	1
27855	0	0	0	1	1
27858	0	0	0	1	1
27877	0	0	0	1	1
27882	2	0	0	0	2
27886	0	1	0	0	1
27909	0	3	0	0	3
27927	0	3	0	0	3
27944	0	2	0	0	2
27948	0	1	0	0	1
27949	0	1	0	0	1
27958	0	2	0	0	2
27959	0	1	0	0	1
27974	0	1	0	0	1
28001	1	0	0	0	1
28021	1	1	0	0	2
28025	1	0	0	1	2
28078	0	1	0	0	1
28092	1	0	0	0	1
28104	1	0	0	0	1
28105	1	0	0	0	1
28166	0	1	0	0	1

28173	2	0	0	0	2
28210	0	1	0	0	1
28211	0	0	0	1	1
28226	0	0	1	0	1
28269	1	0	0	0	1
28270	0	0	1	0	1
28277	1	0	0	0	1
28303	0	1	0	0	1
28306	0	0	1	0	1
28307	0	0	1	0	1
28311	0	0	0	1	1
28314	1	0	0	0	1
28325	1	0	0	0	1
28327	1	0	0	0	1
28334	0	0	0	1	1
28358	1	0	0	0	1
28376	1	0	0	0	1
28379	0	0	1	0	1
28403	3	0	10	0	13
28404	0	0	1	0	1
28405	0	0	2	0	2
28409	0	0	28	0	28
28411	1	0	3	0	4
28412	0	0	6	1	7
28443	0	0	1	0	1
28457	0	0	2	0	2
28467	2	0	0	0	2
28468	13	0	0	0	13
28469	4	0	0	0	4
28472	1	0	0	0	1
28480	0	0	7	0	7
28501	0	0	0	1	1
28512	0	0	0	3	3
28516	0	0	0	19	19
28531	0	0	0	2	2
28532	0	0	0	1	1
28557	0	0	0	4	4
28560	0	0	0	2	2
28562	0	0	0	6	6
28570	0	0	1	3	4
28580	0	0	0	1	1
28584	0	0	0	1	1
28594	0	0	0	1	1
28604	1	0	0	0	1
28618	0	0	1	0	1
28638	1	0	0	0	1
28673	0	0	1	0	1

28684	1	0	0	0	1
28689	0	1	0	0	1
28694	0	0	0	1	1
28712	0	0	2	0	2
28803	0	0	1	0	1
29150	0	0	0	1	1
29154	1	0	0	0	1
29406	0	1	0	0	1
29412	0	0	1	0	1
29566	1	0	1	0	2
29577	1	0	0	0	1
29582	2	0	0	0	2
29635	0	1	0	0	1
29673	0	0	1	0	1
29691	1	0	0	0	1
29710	0	1	0	0	1
30078	0	0	1	0	1
30306	1	0	0	0	1
30317	0	1	0	0	1
30341	0	1	0	0	1
30530	0	0	0	1	1
30904	0	0	0	1	1
31326	1	0	0	0	1
32068	0	1	0	0	1
37027	1	0	0	0	1
37115	0	0	1	0	1
37128	0	1	0	0	1
37211	1	0	0	0	1
37683	1	0	0	0	1
37803	0	1	0	0	1
37830	1	0	0	0	1
37919	1	0	0	0	1
37922	0	1	0	0	1
37934	0	1	0	0	1
43016	0	1	0	0	1
43068	0	1	0	0	1
43081	1	0	0	0	1
43207	0	1	0	0	1
43551	0	1	0	0	1
43701	0	1	0	0	1
43920	0	1	0	0	1
44004	0	2	0	0	2
44077	0	1	0	0	1
44094	0	1	0	0	1
44095	0	0	0	1	1
44110	0	1	0	0	1
44119	0	1	0	0	1

44123	0	1	0	0	1
44203	0	1	0	0	1
44224	0	1	0	0	1
44233	0	1	0	0	1
44256	1	0	0	0	1
44281	0	1	0	0	1
44720	1	0	0	0	1
45208	0	1	0	0	1
45402	1	0	0	0	1
45601	0	1	0	0	1
45619	0	1	0	0	1
45696	1	0	0	0	1
46052	0	1	0	0	1
48042	0	1	0	0	1
48187	0	1	0	0	1
49423	0	1	0	0	1
53202	0	1	0	0	1
54624	0	0	1	0	1
59405	1	0	0	0	1
60067	0	1	0	0	1
60110	1	0	0	0	1
63101	0	0	0	1	1
65721	0	1	0	0	1
66215	0	1	0	0	1
68025	0	1	0	0	1
70737	0	0	0	1	1
75034	1	0	0	0	1
76110	0	1	0	0	1
80013	0	1	0	0	1
80127	0	1	0	0	1
80504	0	1	0	0	1
80507	1	0	0	0	1
83616	0	1	0	0	1
89123	0	1	0	0	1
90027	0	0	1	0	1
92260	0	1	0	0	1
94706	1	0	0	0	1
Total	116	201	99	90	506

q26 What is the highest level of education you have completed?

Education * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Education	Less than high school	0	0	0	1	1
	High school grad	15	32	7	13	67
	Some college	14	34	15	14	77
	Assoc/com college grad	13	9	9	9	40
	Bach/college grad	35	78	50	31	194
	Masters	34	36	11	14	95
	PhD	4	12	5	2	23
	Law grad	2	4	0	0	6
	Med grad	2	2	4	0	8
Total		119	207	101	84	511

q28 As close as you can recall, what is your household's total annual income before taxes? Is it \$25 thousand dollars or less; between \$25,001 and \$50,000; between \$50,001, and \$75,000; between \$75,001 and \$100,000; or more than \$100,000?

Household income * Interview site Crosstabulation

		Count				
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	Total
Household income	\$25,000 or less	9	5	9	9	32
	\$25,001-\$50,000	9	26	10	17	62
	\$50,001-\$75,000	11	29	13	18	71
	\$75,001-\$100,000	19	40	15	19	93
	More than \$100,000	49	66	46	16	177
Total		97	166	93	79	435

q29 Respondent gender:

Gender * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Gender	Male	79	107	54	46	286
	Female	40	97	47	42	226
Total		119	204	101	88	512

q30 Respondent race:

Race * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Race	White (non-Hispanic/Latino)	118	200	98	87	503
	Hispanic/Latino	0	0	1	0	1
	American Indian/Alaskan Native	0	1	0	0	1
	Black/African American	0	3	0	0	3
	Asian/Pacific Islander	1	0	2	0	3
	Other	0	0	0	1	1
Total		119	204	101	88	512

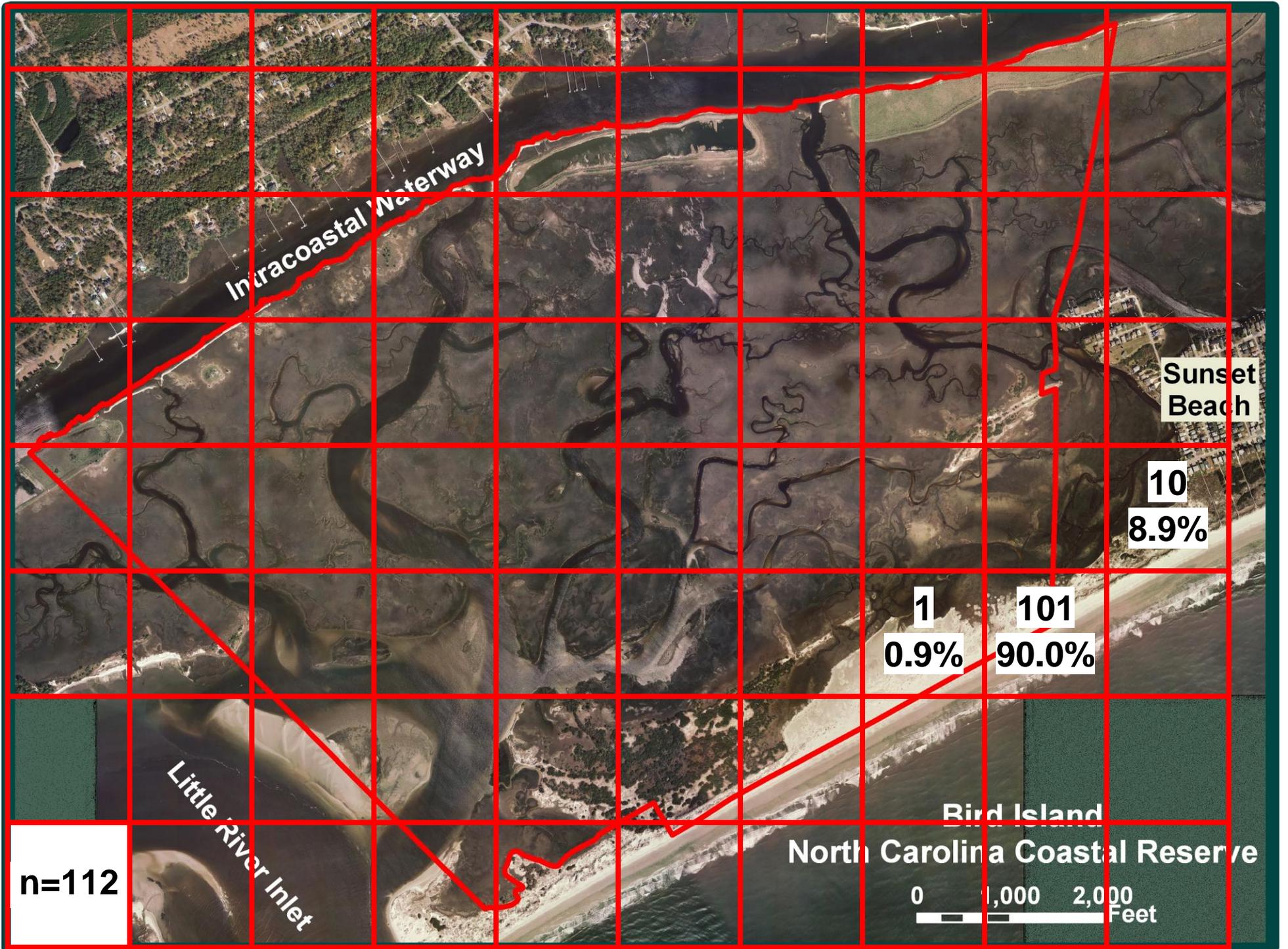
Race: Other (description) * Interview site Crosstabulation

		Count				Total
		Interview site				
		BICR	CBNERR	MINERR	RCNERR	
Race:	Other (description)	120	208	103	90	521
Total		120	208	103	90	521

Appendix H: Results of Location-Dependent Questions (4, 6, 9)

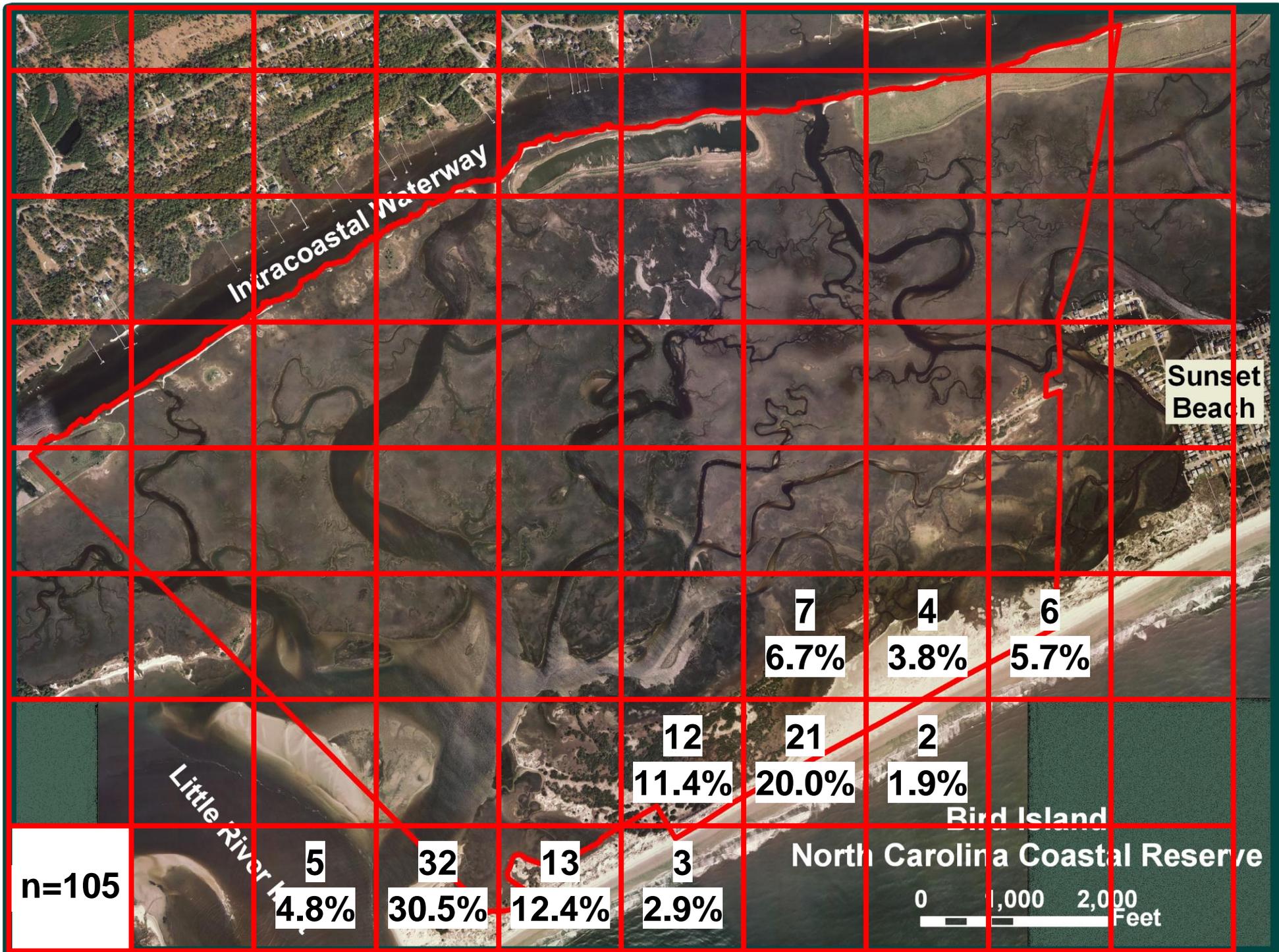
Bird Island:

q4 At what location did you enter the reserve site today? (Show them the attached map and have them identify the location on the attached map. You may assist if needed. Mark with a “4”)



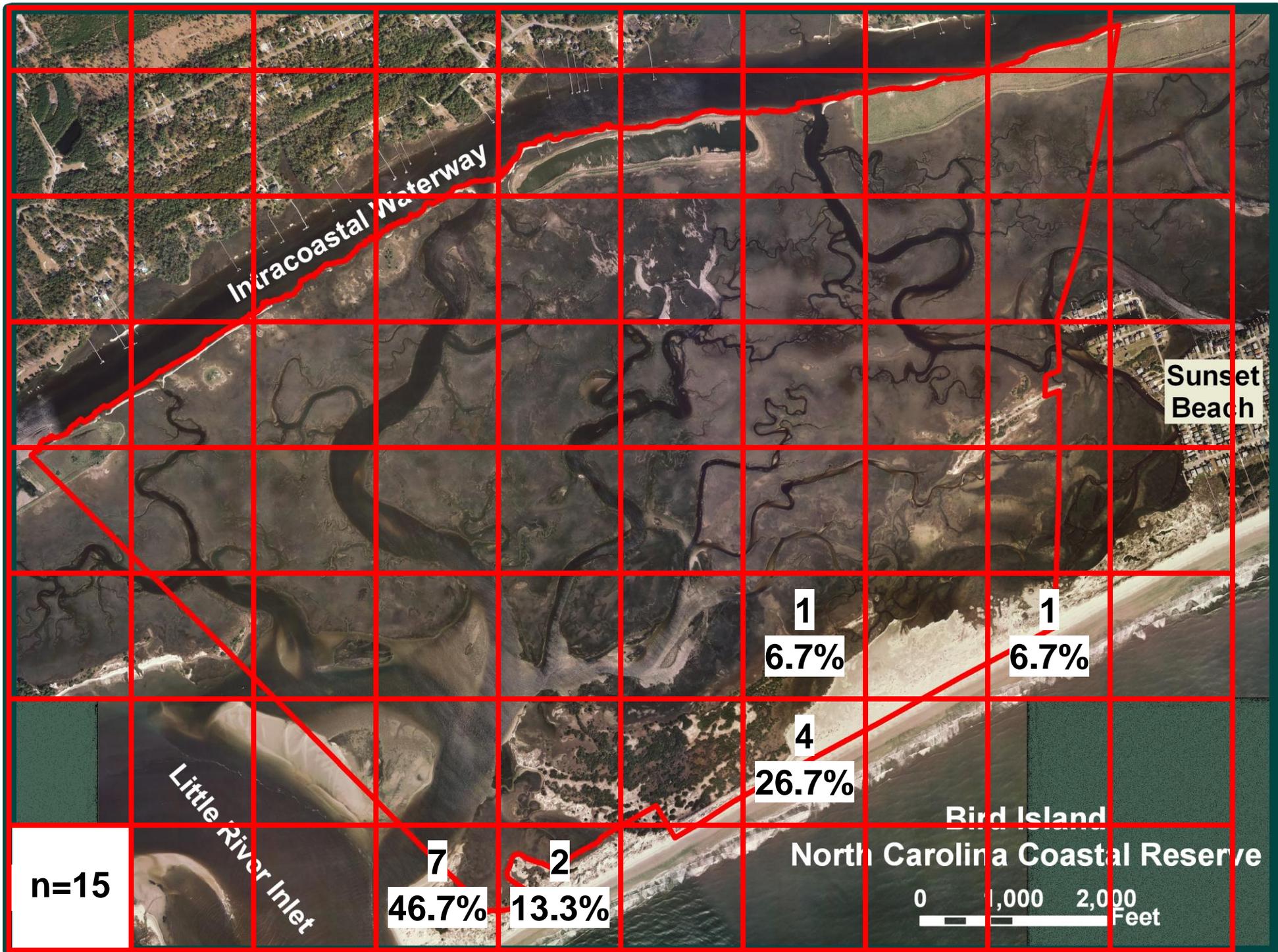
Bird Island:

- q6** Where do you plan to visit on this site today? (Show them the attached map and have them identify the location or locations where they will recreate/visit today. You may assist if needed. Mark with a “6”)



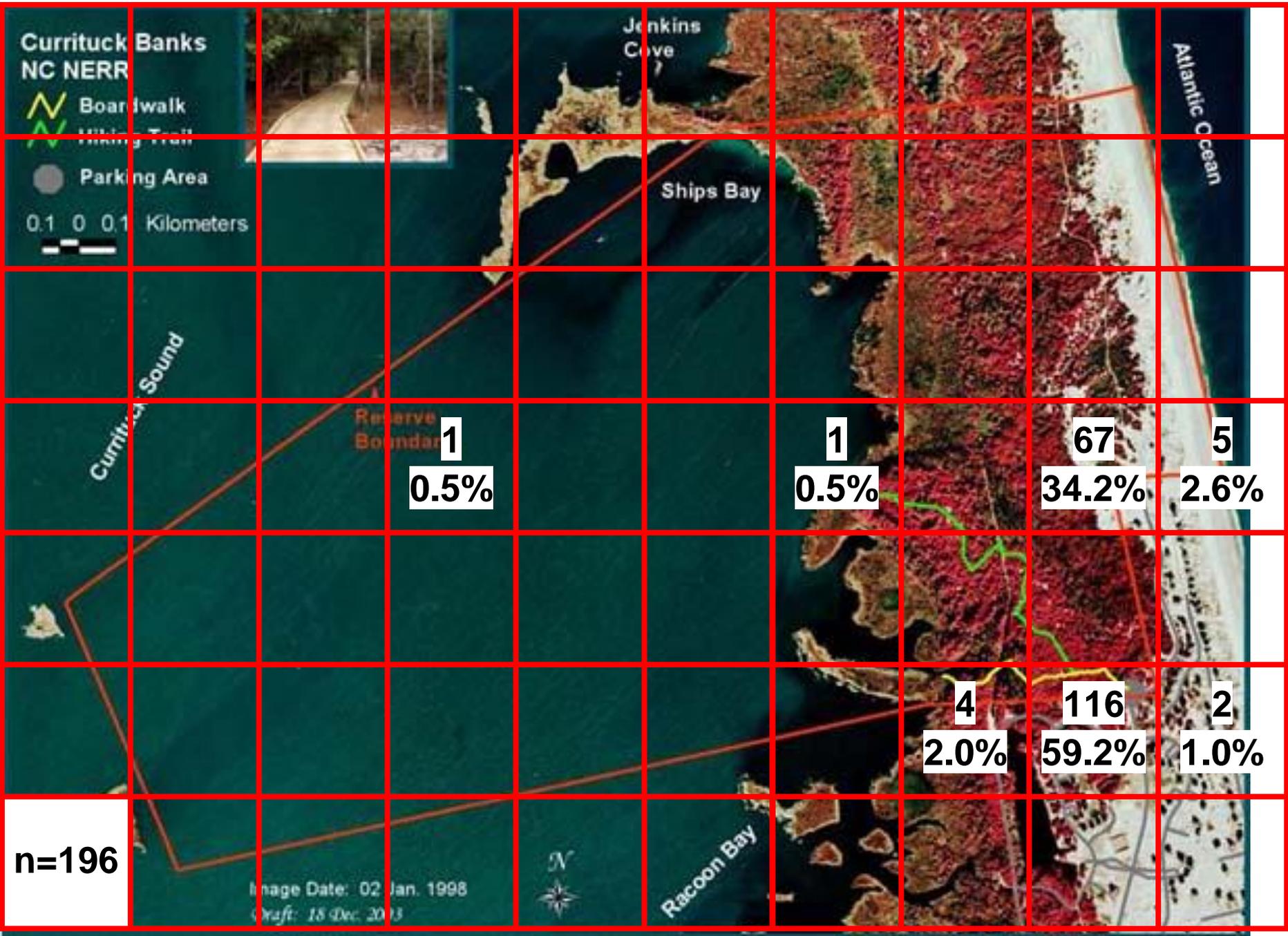
Bird Island:

- q9** Where do you normally come for recreation or to visit this site? (Show them the attached map and have them identify the location or locations where they normally recreate/visit on this site. You may assist if needed. Mark with a “9”)



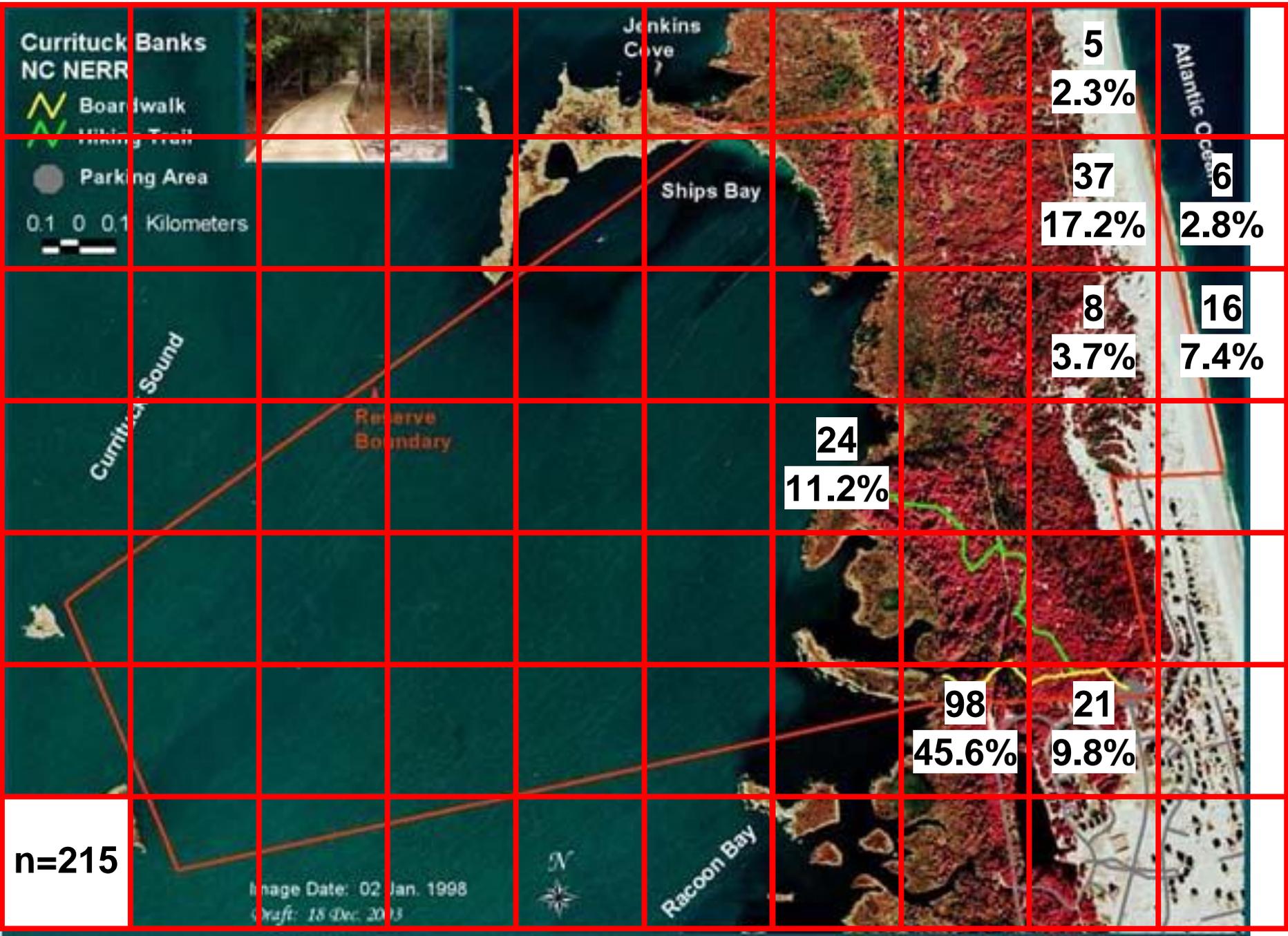
Currituck:

- q4** At what location did you enter the reserve site today? (Show them the attached map and have them identify the location on the attached map. You may assist if needed. Mark with a “4”)



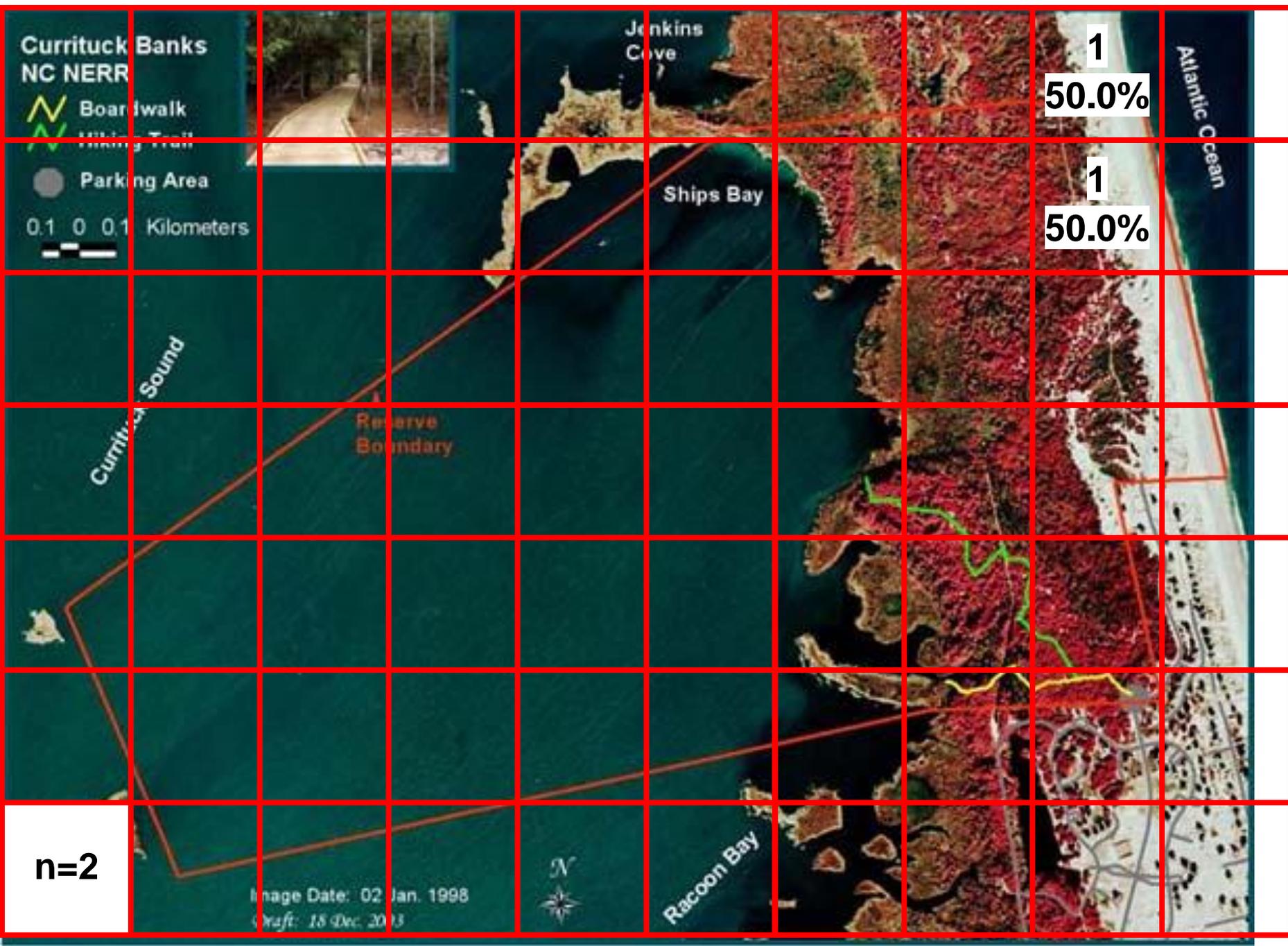
Currituck:

- q6** Where do you plan to visit on this site today? (Show them the attached map and have them identify the location or locations where they will recreate/visit today. You may assist if needed. Mark with a “6”)



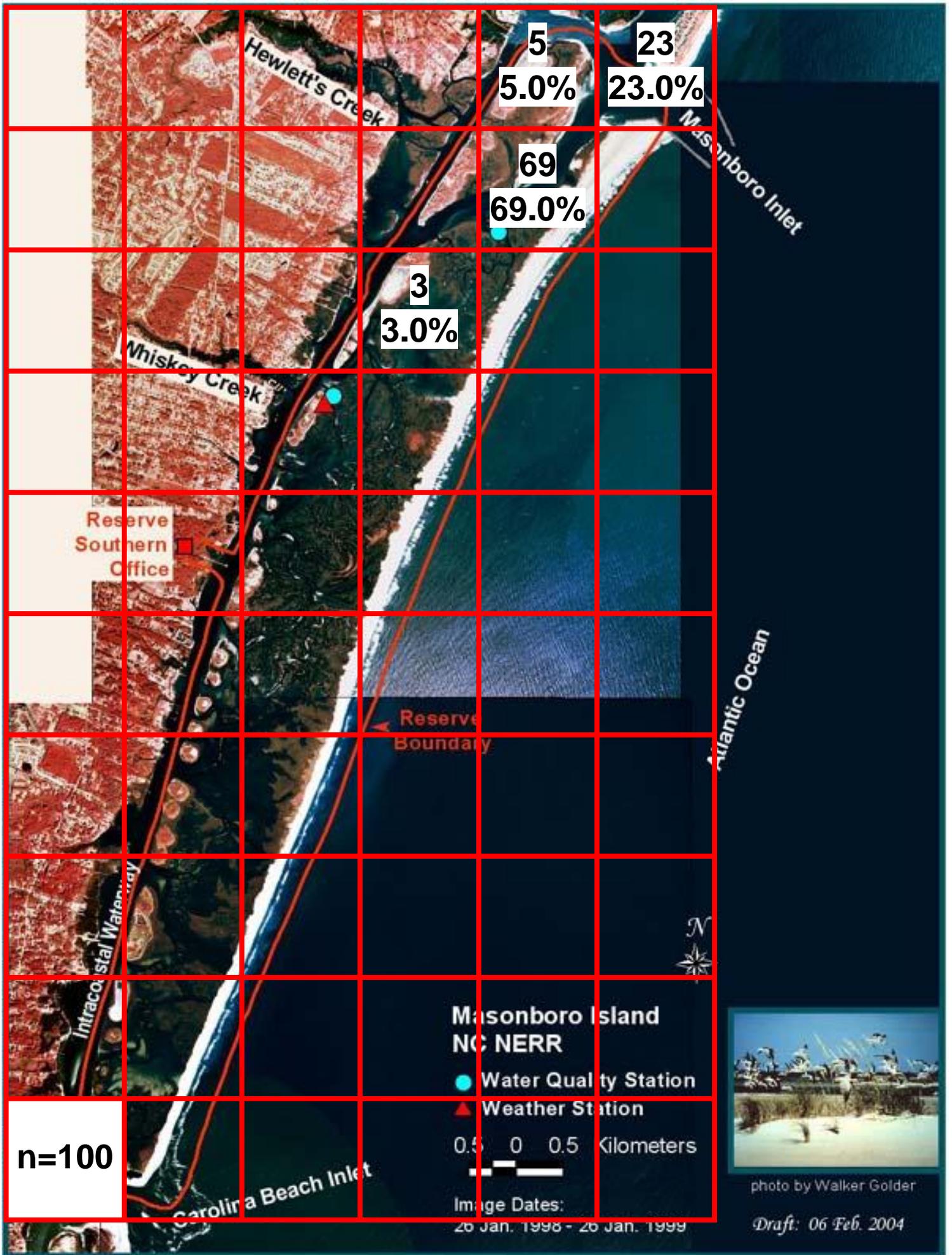
Currituck:

- q9** Where do you normally come for recreation or to visit this site? (Show them the attached map and have them identify the location or locations where they normally recreate/visit on this site. You may assist if needed. Mark with a "9")



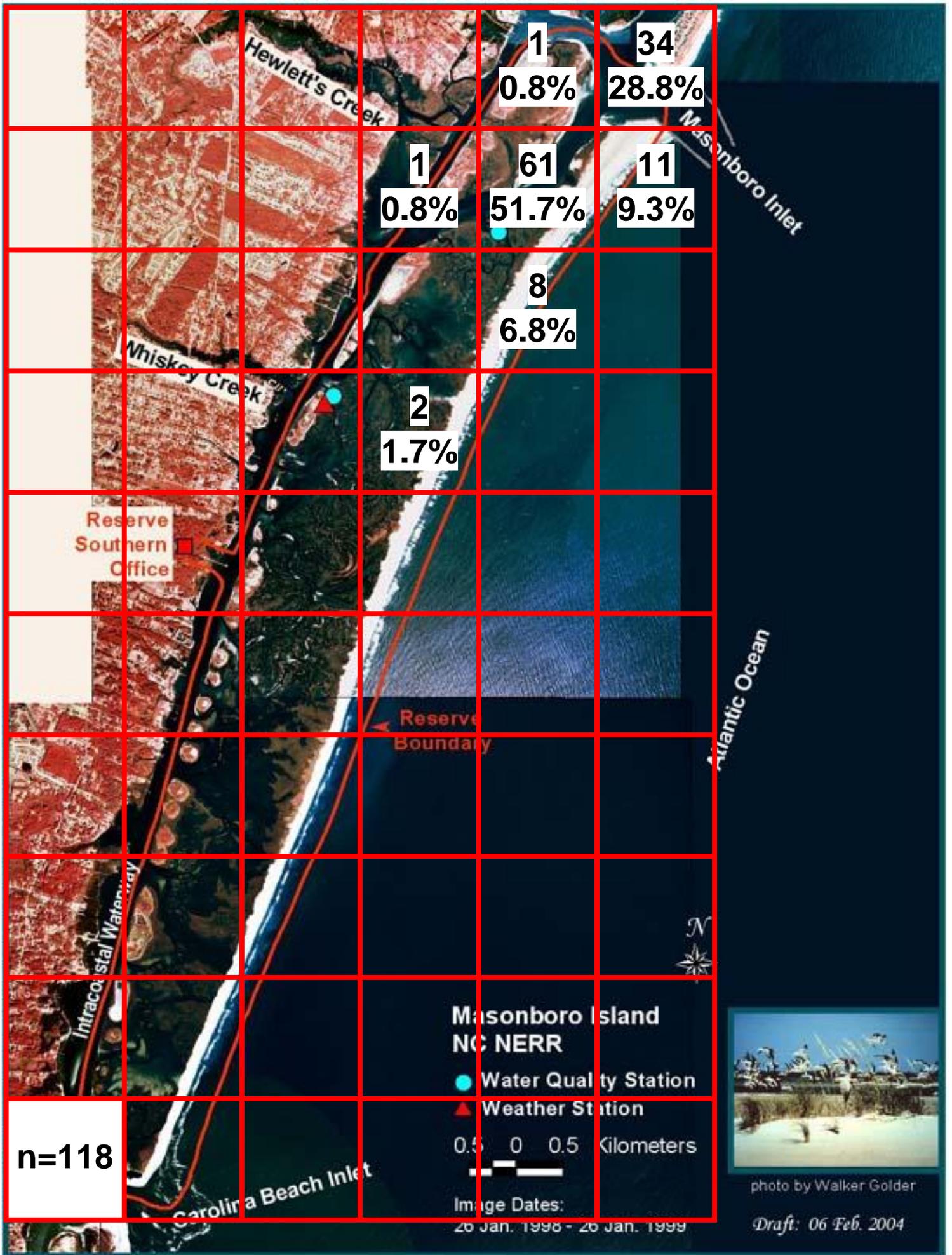
Masonboro:

- q4** At what location did you enter the reserve site today? (Show them the attached map and have them identify the location on the attached map. You may assist if needed. Mark with a “4”)



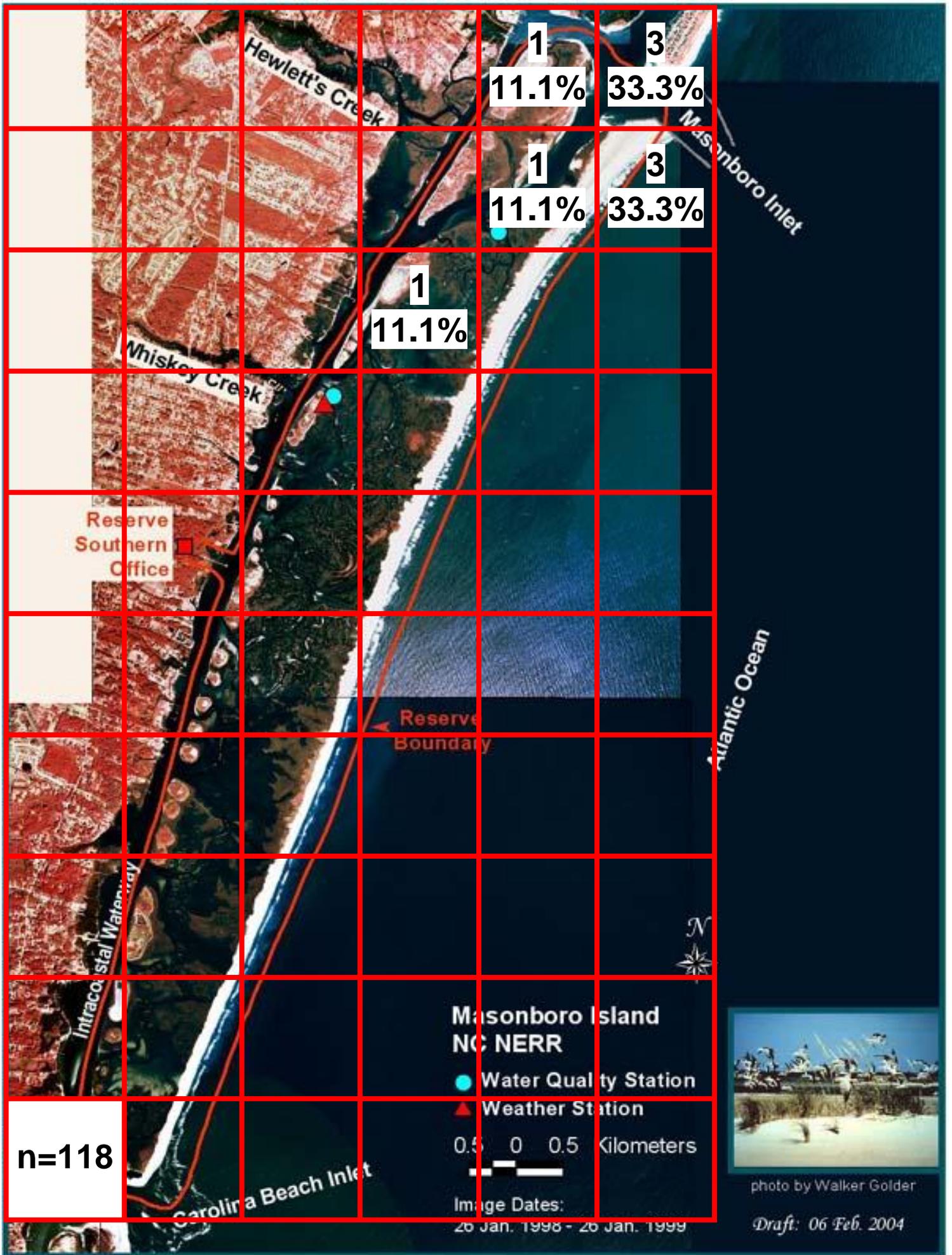
Masonboro:

- q6** Where do you plan to visit on this site today? (Show them the attached map and have them identify the location or locations where they will recreate/visit today. You may assist if needed. Mark with a “6”)



Masonboro:

- q9** Where do you normally come for recreation or to visit this site? (Show them the attached map and have them identify the location or locations where they normally recreate/visit on this site. You may assist if needed. Mark with a “9”)

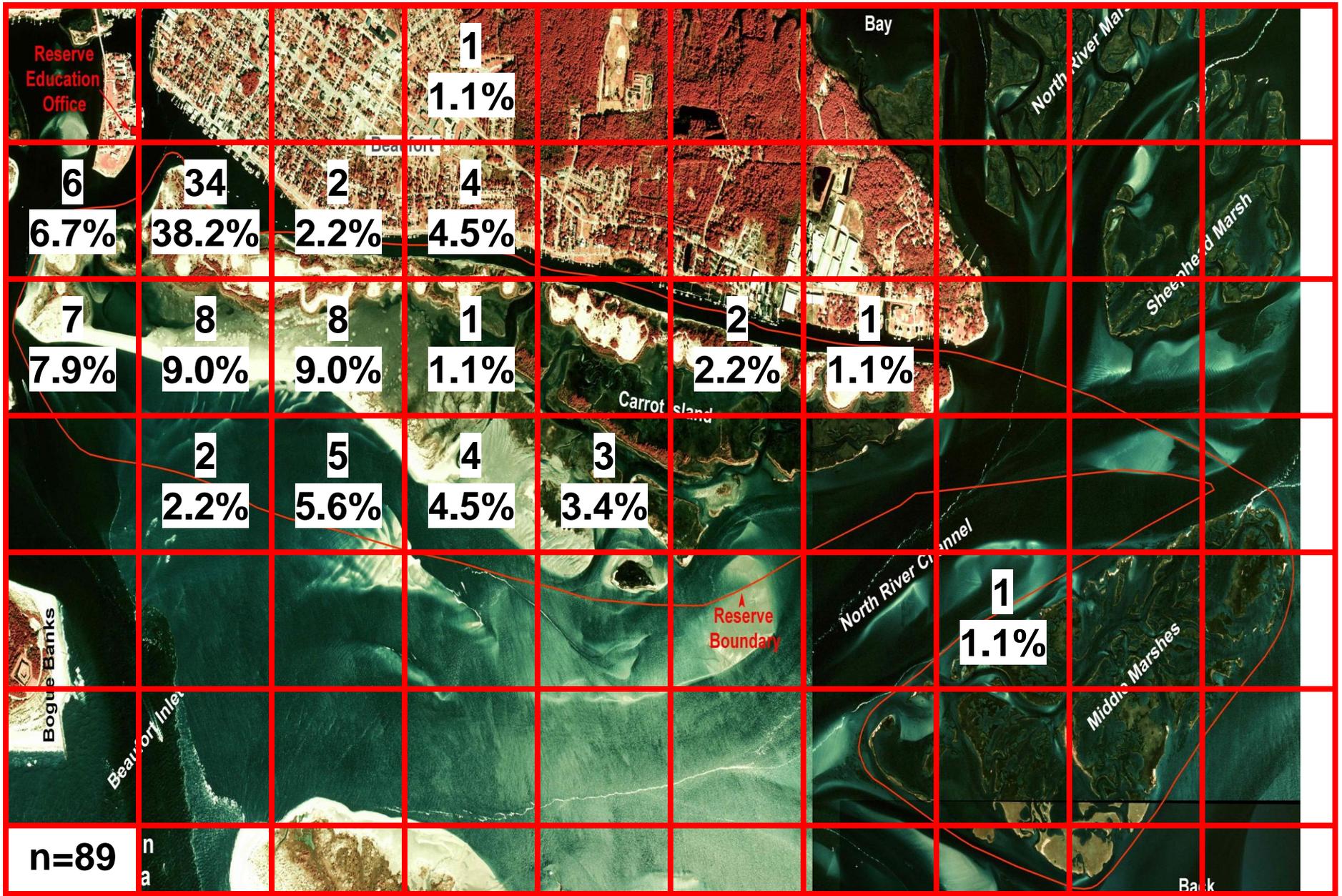


Rachel Carson:

- q4** At what location did you enter the reserve site today? (Show them the attached map and have them identify the location on the attached map. You may assist if needed. Mark with a “4”)

Rachel Carson:

- q6** Where do you plan to visit on this site today? (Show them the attached map and have them identify the location or locations where they will recreate/visit today. You may assist if needed. Mark with a “6”)



Rachel Carson:

- q9** Where do you normally come for recreation or to visit this site? (Show them the attached map and have them identify the location or locations where they normally recreate/visit on this site. You may assist if needed. Mark with a “9”)

