



**U.S. Department of the Interior  
National Park Service  
Social Science Program  
Visitor Services Project**



# **Cape Lookout National Seashore**

## **Resident Study**

[Space holder for cover photo]

Number: \_\_\_\_\_

OMB Control Number: 1024-XXXX  
Current Expiration Date: XX-XX-XXXX



## United States Department of the Interior

### NATIONAL PARK SERVICE

Cape Lookout National Seashore  
131 Charles Street  
Harkers Island, NC 28531



Dear Carteret County resident,

Thank you for participating in this important study. We want to learn about the expectations, opinions, and interests of Carteret County residents regarding Cape Lookout National Seashore. This information will be used to evaluate the ecosystem services and resource management of Cape Lookout National Seashore. We will use it to help us improve our management of this site and to better serve you, the general public, and other stakeholders, when using Cape Lookout National Seashore facilities.

This questionnaire is being mailed to a select number of local residents, so your participation is highly appreciated. Your response to this survey is voluntary and will remain anonymous. Your name will never be associated with your responses. Please do not put your name or contact information on this questionnaire. It should only take about 20 minutes to complete.

After you have completed this questionnaire, please return it to us in the postage-paid envelope provided.

If you have any questions, please contact Lena Le, NPS VSP Assistant Director, Park Studies Unit, College of Natural Resources, P.O. Box 441139, University of Idaho, Moscow, Idaho 83844-1139, 208-885-2585 (phone), [lenale@uidaho.edu](mailto:lenale@uidaho.edu) (email).





We appreciate your help and are looking forward to hearing your opinion.

Sincerely,

[insert signature]  
Pat Kenney  
Superintendent

**DIRECTIONS**

1. Please have the selected individual (at least 18 years old) complete this questionnaire.
2. For questions that use circles (O), please mark your answer by filling in the circle with **black or blue ink**. Please do not use pencil.

Like this: ● Not like this:    

3. Seal it in the postage-paid envelope provided.
4. Drop it in a U.S. mailbox.

**Paperwork Reduction Act Statement:** The National Park Service is authorized by 16 U.S.C. 1a-7 to collect this information. We will use this information to evaluate the ecosystem services and resource management of Cape Lookout National Seashore. Your response is voluntary and anonymous. Your name will never be associated with your responses. Please do not put your name or contact information on this questionnaire. A Federal agency may not conduct or sponsor, and you are not required to respond to, a collection of information unless it displays a currently valid OMB Control Number.

We estimate that it will take 20 minutes to complete this questionnaire. You may send comments concerning the burden estimate or any aspect of this information collection to Lena Le, NPS Visitor Services Project, College of Natural Resources, University of Idaho, P.O. Box 441139, Moscow, ID, 83844-1139; lenale@uidaho.edu (email).



Bottlenose Dolphin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Common Tern	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Section 2: Opinions and level of support concerning management of endangered species.**

CALO is home to several endangered and protected species and notable cultural resources. Question 3 is needed to measure local resident opinion on the importance of resource protections. Variables generated in Question 3 will be used in a multivariate analysis to determine if the level of support for protection of these resources correlates with the level of trust in federal agency and park managers to manage protected species and cultural resources.

The result of multivariate analysis will help CALO managers determine appropriate actions required for communication and public relations with the local communities to build trust and increase public awareness of park management actions concerning the management of cultural and natural resources. Questions 4, 5 and 6 are needed to determine the level of support the public places in park managers and ways in which support levels could be increased. The questions were developed from Meyer’s Credibility Index and tested in previous research. Question 6 will be used by park managers to determine appropriate communications needed to gain public confidence and support regarding park resource management decisions.

3. a) In your opinion, how important is it to protect each of the following at Cape Lookout National Seashore? Please mark (•) **one** answer for each.

b) Would you be interested in learning more about these resources during your visit at Cape Lookout National Seashore? Please check Yes or No for each topic.

How important?					Resources	Interested in learning?	
Not at all	Slightly	Moderately	Very	Extremely		Yes	No
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Nesting shorebirds and their habitats	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Nesting sea turtles and their eggs	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wild horses	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	The Cape Lookout Lighthouse	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other historic structures	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Dunes vegetation	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Undeveloped Natural condition	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Natural viewscape without development	<input type="radio"/>	<input type="radio"/>

c) Please list any additional topic that you would like to learn more about during your visit at Cape Lookout National Seashore.

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4. We would like to know which of the following management actions you support concerning the protection of nesting species at Cape Lookout National Seashore. Please rate your level of support for each management action.

Management actions at Cape Lookout	Strongly oppose	Oppose	Neither oppose nor support	Support	Strongly support
Creation of pedestrian only areas on the beaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Temporary closures of beaches and/or rerouting of Off Road Vehicles for bird and turtle nesting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Full visitor access closures, including prohibiting pedestrians, for bird nesting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Requiring pets to be leashed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prohibiting camping and beach fires in areas close to protected turtle nests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. How important is each of these items to your acceptance of Cape Lookout National Seashore management decisions? Please mark (●) one response for each item.

In order for me to accept a management decision, it is important that:	Level of importance				
	Not important	Slightly	Somewhat important	Very	Extremely
I trust in the decision-maker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The decision is based on environmental consequences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I understand the objectives of a proposed management action	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Science plays a role in management decisions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Actions will protect natural resources at Cape Lookout	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The decision protects natural resources over human use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The decision maintains access for recreation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Actions help support the local community	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The decision is based on economic consequences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Please rate the level of your agreement with each of the following statements. Please mark (●) one response for each statement

When it comes to issues concerning natural resource management:	Strongly	Disagree	Neither disagree nor agree	Agree	Strongly
Park managers are doing a good job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park managers change policies without good reasons	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park managers are too influenced by special interest groups	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park managers listen to ordinary people's opinions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park managers provide all relevant information about decisions to the public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Park managers have the same ideas about management as I do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel that no additional rules and regulations are needed at Cape Lookout National Seashore	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Section 3: Values associated with Cape Lookout National Seashore.**

The questions in this section will be used to identify and map the different social values associated with ecosystem services offered at CALO. This information will be used by park managers to understand what people value about the park and where those values exist, so that the values can be protected and/or enhanced. Information obtained in this section will be used to identify and locate the social values of park resources.

The original scale and mapping technique were developed by Brown and Reed (2000). Since then the methods have been widely adapted for use in many other studies (Alessa et al 2008, Beverly et al. 2008, Brown et al. 2004, 2007, 2008, Nielsen-Picus 2011, Zhu et al. 2010). To date this is still the best method to obtain mapping data of social values associated to a place. This information is important to CALO for manager to evaluate how well the park's resource management goals meet public expectations. Furthermore, the mapping data will help to pinpoint the exact location where resource management plan may need adjustment or modification.

7. Imagine that you could allocate 100 preference points to ensure that Cape Lookout National Seashore and the surrounding waters kept their existing values. You might assign 100 points to one value and zero to all the others, or assign 50 to one, 25 to another and 25 to yet another.

Please read through the list below and use the boxes to assign 100 value points any way you would like. The points you assign should total 100 points.

**Aesthetic Value (A).** I value Cape Lookout National Seashore because I enjoy the scenery, sights, sounds, smells, etc.

**Biological Diversity Value (B).** I value Cape Lookout National Seashore because it provides a variety of fish, wildlife, plant life, etc.

- Cultural Value (C).** I value Cape Lookout National Seashore because it is a place for me to continue to pass down the wisdom, knowledge, traditions, and way of life of my ancestors.
- Economic Value (E).** I value Cape Lookout National Seashore because it provides fisheries or tourism opportunities, such as outfitting and guiding.
- Future Value (F).** I value Cape Lookout National Seashore because it allows future generations to know and experience the area as it is now.
- Historic Value (H).** I value Cape Lookout National Seashore because it has places and things of natural and human history that matter to me.
- Intrinsic Value (I).** I value Cape Lookout National Seashore in and of itself for its existence, no matter what I or others think about the Cape Lookout area.
- Learning/Scientific Value (L).** I value Cape Lookout National Seashore because we can learn about the environment through scientific observation or experimentation.
- Life Sustaining Value (LS).** I value Cape Lookout National Seashore because it helps preserve and protect clean air, soil, and water, and it protects lives and property from storms, sea level rise, and saltwater intrusion.
- Recreation Value (R).** I value Cape Lookout National Seashore because it provides a place for my favorite outdoor recreation activities.
- Spiritual Value (S).** I value Cape Lookout National Seashore because it is has sacred, religious, or spiritual meaning to me or because I feel reverence and respect for nature there.
- Subsistence Value (Sub).** I value Cape Lookout National Seashore because it provides necessary food and supplies to sustain my life.
- Therapeutic Value (T).** I value Cape Lookout National Seashore because it makes me feel better physically and/or mentally.
- 100 Points**



8. Next please use the attached map and abbreviations above to identify the locations that best represent the values to which you assigned points.

- Find a location on the map associated with each value you assigned (from question 7) and **draw a dot there.**
- Use the abbreviations listed and write it next to the dot assigned for the value (for example "A" for Aesthetic Value).
- Repeat the steps for additional locations and values. You may select up to **five locations** for each value type.

(This is an example of the map that will be attached as a fold-out. The actual map will be 11x17)

**Section 4: Communications regarding environmental challenges at the park**

CALO functions as a barrier island that helps to reduce the impact of severe weather and invasion of salt water on the Outer Bank shore. In recent years, the park has faced the challenges of rising sea levels and frequently more severe storms that have directly affected the local communities. Questions 9 and 10 are needed to help the park to frame the communications about effect of climate change at the park to the contexts that are most relevant to visitors.

Question 9 is needed to identify visitors' position on climate change. The original scale was developed from situational theory (Sriamesch 2007, Voss 2009). This information will help Cape Lookout to address challenges at the park in a framework that is most relevant to visitors. Question 10 addresses specific topics that visitors are interested in learning about. This information will help park manager to identify the most suitable communication strategies with public about challenges facing the park.

9. How does each of these following statements describe your position on climate change? Please mark (●) **one** response for each of the following statements.

	Level of agreement				
	Strongly	Disagree	Neither disagree	Agree	Strongly
I am personally concerned about the effects of climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I stay well-informed about the effects of climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In the face of sea level rise, I believe that Cape Lookout National Seashore should protect cultural resources in the park.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Future generations will benefit if we address the effects of climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is important to consider the economic costs and benefits to local communities when addressing the effects of climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
We can improve our quality of life if we address the effects of climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. If you were to visit Cape Lookout National Seashore in the future, which of the following topics would you like to see available through the park interpretive media (exhibits, brochures, etc.), educational programs, and other communications (public meetings, presentation of scientific studies, etc.)? Please check all that apply.

- Not interested in any topic → go to question 11
- Climate science and atmospheric processes
- Ways that Cape Lookout National Seashore uses to cope with effect of rising sea levels
- Actions taken at Cape Lookout National Seashore to reduce the impacts of beach erosion
- Environmental issues relevant to local communities surrounding Cape Lookout



Areas are clean and trash free	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Distribution of facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to the park in general	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you rated any of the above services/facilities "poor" or "very poor" please explain why.

Service/Facility	Reason
_____	_____
_____	_____

14. On the most recent visit, what form of transportation did you use to arrive to the islands at Cape Lookout National Seashore? Please mark only one

- Vehicle ferry
- Kayak/canoe
- Passenger only ferry
- Private boat
- Other \_\_\_\_\_

15. a) Which of the following activities did you participate in during your most recent visit to Cape Lookout National Seashore? Please mark all that apply.

- Fishing
- Camping
- Birding
- Motorized boating
- Lighthouse climbing
- Sun bathing
- Beach driving
- Renting cabins
- Other \_\_\_\_\_
- Kayaking/canoeing
- Swimming
- Horse viewing
- Taking photographs
- Shell collecting
- Surfing
- Visiting historic sites
- Attending interpretive tour

b) Which one of the above was your primary activity on the most recent visit to Cape Lookout National Seashore? \_\_\_\_\_

16. How long did you spend visiting Cape Lookout National Seashore on the most recent visit?

- Day visit only → Please list total number of hours \_\_\_\_\_
- Overnight use → Please list total number of days \_\_\_\_\_

17. On the most recent visit, were you part of a larger organized group (such as tour group, school, scout, church, etc.)?

- Yes
- No

18. a) On the most recent visit, what kind of personal group (not guided tour/school/other organized group) were you with? Please mark (●) **one**.

- Alone
- Family
- Other (Please specify) \_\_\_\_\_
- Friends
- Family and friends

b) On this visit, how many people were in your personal group, including yourself?

\_\_\_\_\_ Total number of people      \_\_\_\_\_ Number of people under 18 years of age

**Section 6: Visitor Demographics**

The questions in this section will be used to measure residents' socio-demographic status.

19. What is your age? \_\_\_\_\_

20. How many years have you lived in the Carteret county, North Carolina? \_\_\_\_\_ years

21. What is your status as a resident of Carteret county, North Carolina? Please mark (●) **one**.

- Year round resident
- Less than year round but more than 6 months
- About 3 to 6 months
- Less than 3 months a year

22. a) Which category best represents your annual **household** income? Please mark (●) **one**.

- Less than \$24,999
- \$25,000-\$34,999
- \$35,000-\$49,999
- \$50,000-\$74,999
- \$75,000-\$99,999
- \$100,000-\$149,999
- \$150,000-\$199,999
- \$200,000 or more
- Do not wish to answer

b) How many people are in your household? \_\_\_\_\_ Number of people

23. a) Are you Hispanic or Latino?

- Yes
- No

b) What is your race? Please mark one or more that apply

- American Indian or Alaskan Native
- Asian
- Black or African American
- Native Hawaiian or other Pacific Islander
- White

This question provides an opportunity for survey respondent to address any other issues, concerns, or problems that have not been addressed elsewhere.

24. Is there anything else you would like to tell us about management of Cape Lookout National Seashore?