NOTICE OF OFFICE OF MANAGEMENT AND BUDGET ACTION

Date 01/02/2014

Department of Commerce

National Oceanic and Atmospheric Administration

FOR CERTIFYING OFFICIAL: Simon Szykman

FOR CLEARANCE OFFICER: Jennifer Jessup

In accordance with the Paperwork Reduction Act, OMB has taken action on your request received 11/30/2013

ACTION REQUESTED: New collection (Request for a new OMB Control Number)

TYPE OF REVIEW REQUESTED: Regular

ICR REFERENCE NUMBER: 201311-0648-009

AGENCY ICR TRACKING NUMBER:

TITLE: Social Values of Ecosystem Services (SolVES) in Marine Protected Areas for Management Decision-Making

LIST OF INFORMATION COLLECTIONS: See next page

OMB ACTION: Approved with change

OMB CONTROL NUMBER: 0648-0687

The agency is required to display the OMB Control Number and inform respondents of its legal significance in accordance with 5 CFR 1320.5(b).

EXPIRATION DATE: 01/31/2017 DISCONTINUE DATE:

BURDEN:	RESPONSES	HOURS	COSTS
Previous	0	0	0
New	1,415	472	0
Difference			
Change due to New Statute	0	0	0
Change due to Agency Discretion	1,415	472	0
Change due to Agency Adjustment	0	0	0
Change due to PRA Violation	0	0	0

TERMS OF CLEARANCE: A total of four surveys are approved for the specified burden. NOAA may submit a change request to add or modify the four sites covered in this collection. Any additional sites must be submitted as a revision with standard 60 and 30 day public comment periods.

OMB Authorizing Official: Dominic J. Mancini

Acting Deputy Administrator,

Office Of Information And Regulatory Affairs

List of ICs			
IC Title	Form No.	Form Name	CFR Citation
Social Values of NERR and NMS Survey	NA	Social Values of NERR and NMS Survey	

PAPERWORK REDUCTION ACT SUBMISSION

Please read the instructions before completing this form. For additional forms or assistance in completing this form, contact your agency's Paperwork Clearance Officer. Send two copies of this form, the collection instrument to be reviewed, the supporting statement, and any additional documentation to: Office of Information and Regulatory Affairs, Office of Management and Budget, Docket Library, Room 10102, 725 17th Street NW, Washington, DC 20503.

1. Agency/Subagency originating request
DOC/NOAA/NOS/NCCOS

2. OMB control number b. [✔] None
a. 0648 -

3. Type of information collection (*check one*)
a. [✔] New Collection
b. [ ] Revision of a currently approved collection
c. [ ] Extension of a currently approved collection
d. [ ] Reinstatement, without change, of a previously approved collection for which approval has expired
e. [ ] Reinstatement, with change, of a previously approved collection for which approval has expired
f. [ ] Existing collection in use without an OMB control number
For b-f, note Item A2 of Supporting Statement instructions

4. Type of review requested (*check one*)
a. [✔] Regular submission
b. [ ] Emergency - Approval requested by ____/____/____
c. [ ] Delegated

5. Small entities
Will this information collection have a significant economic impact on a substantial number of small entities? [ ] Yes [✔] No

6. Requested expiration date
a. [✔] Three years from approval date b. [ ] Other Specify:____/____

7. Title Social Values of Ecosystem Services (SolVES) in Marine Protected Areas for Management Decision-Making

8. Agency form number(s) (*if applicable*) N/A

9. Keywords

10. Abstract

This request is for a new information collection to benefit National Estuarine Research Reserve (NERR) and National Marine Sanctuary (NMS) managers in the Mission-Aransas NERR and the Olympic Coast NMS. The National Ocean Service (NOS) proposes to collect socio-economic data on residents and stakeholder groups using the Mission-Aransas NERR and the Olympic Coast NMS site for recreational, economic, cultural, and other reasons. Up-to-date socio-economic data is needed to support the individual NERR and NMS site's conservation and management goals, to strengthen and improve resource management decision-making, to increase capacity, and to extend education and outreach efforts.

11. Affected public (*Mark primary with "P" and all others that apply with "x"*)
a. p Individuals or households d. ___ Farms
b. ___ Business or other for-profit e. ___ Federal Government
c. ___ Not-for-profit institutions f. x State, Local or Tribal Government

12. Obligation to respond (*check one*)
a. [✔] Voluntary
b. [ ] Required to obtain or retain benefits
c. [ ] Mandatory

13. Annual recordkeeping and reporting burden
a. Number of respondents 1,415
b. Total annual responses 1,415
1. Percentage of these responses collected electronically 10 %
c. Total annual hours requested 472
d. Current OMB inventory 0
e. Difference 472
f. Explanation of difference
1. Program change 472
2. Adjustment

14. Annual reporting and recordkeeping cost burden (*in thousands of dollars*)
a. Total annualized capital/startup costs 0
b. Total annual costs (O&M) 0
c. Total annualized cost requested 0
d. Current OMB inventory 0
e. Difference 0
f. Explanation of difference
1. Program change 0
2. Adjustment 0

15. Purpose of information collection (*Mark primary with "P" and all others that apply with "X"*)
a. ___ Application for benefits e. x Program planning or management
b. ___ Program evaluation f. p Research
c. ___ General purpose statistics g. ___ Regulatory or compliance
d. ___ Audit

16. Frequency of recordkeeping or reporting (*check all that apply*)
a. [ ] Recordkeeping b. [ ] Third party disclosure
c. [✔] Reporting
1. [✔] On occasion 2. [ ] Weekly 3. [ ] Monthly
4. [ ] Quarterly 5. [ ] Semi-annually 6. [✔] Annually
7. [ ] Biennially 8. [ ] Other (describe) ____

17. Statistical methods
Does this information collection employ statistical methods
[✔] Yes [ ] No

18. Agency Contact (person who can best answer questions regarding the content of this submission)
Name: Susan Lovelace
Phone: 843-762-8933

19. Certification for Paperwork Reduction Act Submissions

On behalf of this Federal Agency, I certify that the collection of information encompassed by this request complies with 5 CFR 1320.9

NOTE: The text of 5 CFR 1320.9, and the related provisions of 5 CFR 1320.8(b)(3), appear at the end of the instructions. *The certification is to be made with reference to those regulatory provisions as set forth in the instructions.*

The following is a summary of the topics, regarding the proposed collection of information, that the certification covers:

(a) It is necessary for the proper performance of agency functions;

(b) It avoids unnecessary duplication;

(c) It reduces burden on small entities;

(d) It used plain, coherent, and unambiguous terminology that is understandable to respondents;

(e) Its implementation will be consistent and compatible with current reporting and recordkeeping practices;

(f) It indicates the retention period for recordkeeping requirements;

(g) It informs respondents of the information called for under 5 CFR 1320.8(b)(3):

- (i) Why the information is being collected;
- (ii) Use of information;
- (iii) Burden estimate;
- (iv) Nature of response (voluntary, required for a benefit, mandatory);
- (v) Nature and extent of confidentiality; and
- (vi) Need to display currently valid OMB control number;

(h) It was developed by an office that has planned and allocated resources for the efficient and effective management and use of the information to be collected (see note in Item 19 of instructions);

(i) It uses effective and efficient statistical survey methodology; and

(j) It makes appropriate use of information technology.

If you are unable to certify compliance with any of the provisions, identify the item below and explain the reason in Item 18 of the Supporting Statement.

Signature of Senior Official or designee	Date

Agency Certification (signature of Assistant Administrator, Deputy Assistant Administrator, Line Office Chief Information Officer, head of MB staff for L.O.s, or of the Director of a Program or StaffOffice)	
Signature signed by Hugh Johnson	Date 11/22/2013
Signature of NOAA Clearance Officer	
Signature BRABSON.SARAH.1365710488 Digitally signed by BRABSON.SARAH.1365710488 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=OTHER, cn=BRABSON.SARAH.1365710488 Date: 2014.01.02 11:54:16 -05'00'	Date 11/22/2013

SUPPORTING STATEMENT

Social Values of Ecosystem Services (SolVES) in Marine Protected Areas for Management Decision-Making

OMB Control No. 0648-xxxx

A. JUSTIFICATION

1. Explain the circumstances that make the collection of information necessary.

This request is for a new information collection to benefit National Estuarine Research Reserve (NERR) and National Marine Sanctuary (NMS) managers in the Mission-Aransas NERR and the Olympic Coast NMS. The Mission-Aransas NERR was established in May of 2006 by the National Oceanic and Atmospheric Administration (NOAA), U.S. Department of Commerce. The 185,708 acre Reserve is located on the Mission-Aransas Estuary in southeast Texas coast between Corpus Christi Bay and San Antonio Bay. The Olympic Coast NMS was designated in 1994 by NOAA's Office of National Marine Sanctuaries. The 2,118,400 acre Sanctuary is located 25-50 miles seaward off of Washington State's Olympic Peninsula. The Sanctuary's landward side extends between Cape Flattery, WA in the north and the mouth of the Copalis River to the south. The National Ocean Service (NOS) proposes to collect socio-economic data on residents and stakeholder groups using the Mission-Aransas NERR and the Olympic Coast NMS site for recreational, economic, cultural, and scientific reasons.

Up-to-date socio-economic data is needed to support the individual NERR and NMS sites' conservation and management goals, to strengthen and improve resource management decision-making, to increase capacity, and to extend education and outreach efforts.

The NERR is a federal-state partnership program formed for the stewardship, education and research of unique estuarine sites. This data collection supports the vision of the NERR system insofar as it works to establish healthy estuaries and coastal watersheds where human and ecological communities thrive. The NERR program has identified five priority research areas, one of which is a focus on the social science and economic processes taking place within the NERR system in general and each NERR site in particular. The Mission-Aransas NERR constitutes one of the 28 sites in the NERR system and this research will inform managers there as to the human use patterns of the ecosystem goods and services available within the NERR site. This information will in turn help managers at the Mission-Aransas NERR determine whether and to what extent these activities impact the coastal environment.

Similarly, this data collection supports the purpose of the NMS program, which is to "enhance public awareness, understanding, appreciation, and wise and sustainable use of the marine environment, and the natural, historical, cultural and archeological resources of the National

Marine Sanctuary System (NMSA, Section 301(b)(4))." Moreover, sociological information about sanctuary resources is critical to sanctuary management. Social science data are used to examine the human dimension of marine resource management; to understand consumptive and non-consumptive human use patterns; to assess economic impacts of proposed activities; and to understand the attitudes, perception and beliefs of resource users. Each of these factors is not only directly relevant to the National Marine Sanctuaries Act (NMSA) and laws such as the National Environmental Policy Act (NEPA) (42 U.S.C. § 4321 *et seq.*), the Coastal Zone Management Act (CZMA) (16 U.S.C. § 1451 *et seq.*) and the Marine Protection, Research and Sanctuaries Act (MPRSA) (33 U.S.C. § 1442 *et seq.*) but is also critical to devising policies and management strategies resulting in ecological, social, and economic resilience.

Very little sociological or human use information exists for Olympic Coast NMS or the Mission-Aransas NERR. Thus, at this time neither site is able to analyze the effects of the protected areas and the management thereof as comprehensively as needed, nor are they able to pursue an ecosystem based management (EBM) framework. EBM, to be effective, requires integrating both natural and social science data into ecosystem management decisions. With improved information about the socio-cultural values of resources in the protected areas, an improved understanding of what human uses are occurring in the sites, and an improved understanding of what human uses might be proposed in the sites, the Olympic Coast NMS and the Mission-Aransas NERR will be better equipped to make sound resource management decisions. In fact, ecosystem-based management frameworks require management agencies to consider humans and human uses as part of ecosystems. To develop an effective ecosystem-based management framework, the site managers needs to develop a better understanding of the sociological dynamics and human uses in the protected areas.

While a diversity of activities occurs within each NERR and NMS site throughout their respective systems, robust data characterizing stakeholder activities, attitudes, knowledge, and preferences are limited. This limitation extends to the spatial aspect of the aforementioned stakeholder characterizations. Resource managers throughout the NERR and NMS systems would like to consider options for more effective management of the stakeholder groups that use NERR and NMS sites, in order to benefit their respective ecosystems as well as the local communities surrounding them. However, the dearth of social and economic data is a significant hurdle for the evaluation of regulatory proposals and other resource management decisions being made in their systems. Therefore, periodic data collections are required to assemble current cultural, economic and social information. A number of NERR and NMS sites have documented the need to obtain necessary information on both consumptive and non-consumptive stakeholder use patterns to inform management activities. Without these basic data on stakeholder activities, attitudes, knowledge, and preferences it is not possible to develop required management plans.

Consequently, this data collection is needed by NERR and NMS resource managers so that they may develop strategies for the wise management and sustainable use of sensitive estuarine and marine ecosystems.

The data collection described herein has been developed in collaboration with resource managers at the NERR and NMS sites. Based on work previously conducted in the Ashepoo-Combahee-Edisto (ACE) Basin NERR during 2011-2012, the proposed collection focuses on two sites initially, one NERR and one NMS site, specifically the Mission-Aransas NERR and the Olympic Coast NMS.

2. Explain how, by whom, how frequently, and for what purpose the information will be used. If the information collected will be disseminated to the public or used to support information that will be disseminated to the public, then explain how the collection complies with all applicable Information Quality Guidelines.

General Overview

This data collection request involves the gathering of value, use, and location information specific to ecosystem services as well as general socioeconomic information from those using NERR and NMS sites. This submission is comprised of two sets of questions. The first is a core set of questions that will be used with all iterations of the survey. The second set contains modules of management-related questions that managers can select from to provide them additional needed information. The core set of questions is necessary for the social values assessment and includes the use of ecosystem services, the types of ecosystem services desired and the amount of value placed on those ecosystem services by respondents. Respondents will be asked to identify specific geographic locations of ecosystem services that the respondents self-report as valuable. It also includes demographic questions including sex, ethnicity/race, birth year, location of and length of time at their residence, employment status, and income to provide us an understanding of the activities and values of different groups. The core survey module will be included with each implementation of the survey. Management modules will allow individual sites an ability to tailor the survey to better focus on their individual site's management issues. These include questions about activities and changes in environmental condition. In the second year, two additional sites (one NERR and one NMS) will be selected and a non-substantive change request will be submitted for approval. .

Who will use this information?

In general, the purpose of this research project is to inform natural resource managers in the Mission-Aransas NERR and the Olympic Coast NMS, including the Coastal Training Coordinator, the Education Coordinator, the Stewardship Coordinator and the Research Coordinator at each NERR and NMS site being investigated as to the use and social value of the environmental resources available in each site. This one-time, voluntary survey will be administered at each selected site to collect information on:

1) The participation of respondents in the NERR or NMS area.
2) The management conditions of the NERR or NMS.
3) The place attachment of respondents to the NERR or NMS.

4) The ecosystem services respondents most value in estuarine and marine systems.
5) Location of ecosystem services that the respondents value.
6) Perceptions, knowledge and attitudes about management issues in the NERR or NMS.
7) Demographic characteristics of persons who use the ecosystem services available in the selected NERR and NMS sites.

Data for these purposes will be collected via the survey with methods that include Internet surveys, paper-based mail-back surveys and stakeholder intercepts. The single method or combination of methods used will depend on the best methods to reach the stakeholders that the individual NERR or NMS considers a priority for the study. It is anticipated that we will use the intercept method and residential surveys at all sites (Table 1).

Table 1 Schedule of sites for one-time data collection and delivery of survey results

Time	Year 1 2014	Year 2 2015	Clearance	Survey results to managers
Mission-Aransas NERR	X		This request for new collection.	2014-2015
Olympic Coast NMS	X		This request for new collection	2014-2015
2nd NERR		X	Future Non-substantive change request*	2015-2016
2nd NMS		X	Future Non-substantive change request*	2015-2016

*The NERRs locations have similar visitor numbers and thus the burden will be similar for the additional sites. If there is a change in sample, then a new submission will be necessary.

How frequently will this information be used?

Each survey will be administered at each NERR and NMS site in three one-month periods. Data and derived products will be provided to NERR and NMS resource managers before the conclusion of the project period. It is anticipated that data and derived products will be used by NERR and NMS resource managers on an as-needed basis, particularly since they have been involved in the development of the survey instrument and have identified a need for using the information in their planning processes. At the end of the 3 year project period we will have provided data to two NERR and two NMS sites.

For what purpose will the information be used?

Directly, information provided as a result of this data collection will be used by resource managers in the selected NERR and NMS sites to better understand the nature of stakeholder use patterns so

as to inform management decisions. Information could be used by NERR and NMS resource managers to inform NERR and NMS management plans or programs, outreach/education activities, or policies related to the management of the NERR and NMS sites.

Summary of Survey Questions

Module-based Question Selection

Due to the unique nature of each site within the NERR and NMS systems coupled with the fact that each site may choose different stakeholders for this assessment a large variety of questions must be formulated. To make sure that the survey approximates the ecosystem services offered by each site, in addition to reflecting stakeholder uses to the greatest extent possible, questions not assigned to the core module for social values analysis are grouped by the management concern they address and are submitted for approval. From these modules, questions will be selected in coordination with NERR and NMS resource managers and informed by the management plans of each NERR and NMS chosen for study.

The bank of questions (which ultimately contains 164 question options) is based on a survey instrument developed to conduct a similar study in the ACE Basin NERR during 2011-2012 by the College of Charleston[1]. The success of that study and the willingness of ACE Basin NERR managers to recommend future iterations of the assessment have led to the development of this project. The bank incorporates questions from former regional and local surveys, published articles and other information pertaining to estuarine and natural resource management[2,3,4,5]. In addition to the site specific questions, a number of demographic questions are also included, with the purpose of allowing the researchers to sort the responses into different subgroups and analyze how demographics relate to question responses. Questions for each administration of the survey will include the core survey module in addition to those questions deemed most important and/or relevant to the NERR or NMS sites in general. The questions will also be limited in number so as to maintain a 20 minute time frame for survey implementation. Using the core survey module as a framework, questions from the question bank will be selected with the assistance of resource managers at the respective NERR or NMS which focus directly on particular management

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[1] Loerzel, J., S. Lovelace and M. Dillard. (submitted). Mapping Perceptions of Social Values in the Ashepoo-Combahee-Edisto (ACE) Basin, South Carolina.

[2] Clement, J. M. (2006). Spatially explicit values on the Pike and San Isabel National Forests in Colorado. Doctoral dissertation. Colorado State University. ProQuest/UMI, AAT 3246268.

[3] Cole, Z.D. (2012). Mapping social values of ecosystem services in Sarasota Bay, Florida: e-Delphi application, typology development, and geospatial modeling. Doctoral dissertation. University of Florida. ProQuest/UMI. AAT 3569613.

[4] van Riper, C.J., Kyle, G.T., Sutton, S.G., Barnes, M., Sherrouse, B.C. (2012). Mapping outdoor recreationists' perceived social values for ecosystem services at Hinchinbrook Island National Park, Australia. *Applied Geography* 35, 164–173.

[5] Loerzel, J., S. Lovelace and M. Dillard. (submitted). Mapping perceptions of social values in the Ashepoo-Combahee-Edisto (ACE) Basin, South Carolina.

concerns within the respective sites. For future iterations of the survey, a non-substantive change request will be filed with the Office of Management and Budget (OMB).

Table 2 below presents a summary of the question descriptions and narratives included in the core survey module. A more detailed description of each question to be included in the larger question bank is attached to this document.

Table 2: Summary of core question descriptions and narratives

SURVEY SECTION	DESCRIPTION	NARRATIVE	NUMBER OF QUESTIONS
1	Participation	This section asks about your general residential location, residency, visitation and participation with the [NERR/NMS site].	5
2	Management --Condition	Below are several questions asking for your opinion of the conditions at the <site name>. Possible responses range from “Large Increase” to “Large Decrease.” You may also respond with “Unsure or Don’t know.”	8
3	Place attachment	This section asks about your connections, knowledge, and experience with the [NERR/NMS site]. Please indicate the level you agree/disagree with each of the following statements	7
4	Values	Each person values the [NERR/NMS site] resources differently. We would like to know how you value the [NERR/NMS site].	13
5	Map	In this mapping exercise, you will locate places in the natural areas of the [NERR/NMS site] (represented by the red boundary) that have special meaning to you….	N/A
6	Management – Insert 2 to 3 Optional Mgmt. Modules	These two optional sections will be used for any additional management questions to be determined by resource managers at individual NERR/NMS sites.	10a-10x 11a-11x
7	Demographics	Finally, we would like to ask just a few questions about you to help us understand your needs.	8

Information on the Mission-Aransas NERR site and the Olympic Coast NMS site will be collected in year two of the project. Two additional sites (one NERR and one NMS) will be chosen and surveyed in year three. The information will be collected either by undergraduate and graduate students, volunteers, contractors, or the researchers themselves in close coordination with NERR and NMS site managers in accordance with the methodology set forth in Part B. For each site, the researchers will work with site managers to define the survey objectives beyond the core objectives, the data collection strategy, select relevant additional questions from question bank and tailor them to the specific location. The researchers are planning to use the following approach to select the questions for each site:

1. Identify the categories of questions, beyond the core module, that are necessary for that jurisdiction. Within each category, select which questions and answer choices are most applicable to that site (e.g. questions of commercial or cultural activities may not be applicable to certain NERR or NMS sites).
2. Prioritize the questions chosen in order to obtain the most critical information while staying under the 20 minute threshold.

As has been mentioned, general questions for the bank as well as site specific amenity information, management issues and goals, resource use types, place attachment attitudes, and demographic inquiries are included in this submission as a separate document.

As described in Question 3 below, the information will be collected by using the most efficient and effective means for the site selected. During the three years covered by this clearance we expect to use paper-based mail-back surveys and intercept approaches as well as internet based survey techniques as appropriate to individual NERR or NMS sites.

For each future survey implementation a non-substantive change request will be submitted listing the questions from the core and those selected from the management modules and briefly describe the information collection venue and sampling methodology applicable to the site. If additional changes are made this will be submitted as a revised collection.

Data collected will not be disseminated to the public in a way which could potentially reveal personally identifiable information (PII). Aggregate and summary statistics only will be publicly available for the data, which will allow the identities of survey respondents to remain confidential. The researchers will maintain the data in accordance with the highest standards of information security and will keep PII data only as long as is absolutely necessary to complete the survey.

The researchers fully acknowledge the possibility of experiencing potential bias during the data collection, for example, in case of non-response to certain questions or non-truthful answers (these scenarios are dealt with in Part B's detailed descriptions of methodology).

The risk associated with these potential biases skewing the analysis will be minimized by the fact that the researchers will be primarily using the information to analyze stakeholder resource use

patterns, user attitudes toward management initiatives, and gauge stakeholder knowledge and perceptions of the ecological condition at each site. The information collected will not be used by the researchers to conduct comprehensive evaluations of NERR or NMS programs nor will the data from this survey be used in isolation to make decisions about these programs. Any decisions to modify existing programs and to create new management initiatives will be made using information collected from a number of sources, including this survey and other tools such as formal program assessments and evaluations and site specific strategic plans.

Compliance with Information Quality Guidelines

It is anticipated that the information collected will be disseminated to the public or used to support publicly disseminated information. NOAA/NOS/NCCOS will retain control over the information and safeguard it from improper access, modification, and destruction, consistent with NOAA standards for confidentiality, privacy, and electronic information. See response to Question 10 of this Supporting Statement for more information on confidentiality and privacy. The information collection is designed to yield data that met all applicable information quality guidelines. Prior to dissemination, the information will be subjected to quality control measures and a pre-dissemination review pursuant to Section 515 of Public Law 106-554.

3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological techniques or other forms of information technology.

We will utilize a number of electronic or other technological techniques and other forms of information technology for this data collection. While we expect that there may be limited access to the internet near some sites of the NERR and NMS complexes, to satisfy the requirements of the Government Paperwork Elimination Act (GPEA), an online version of the survey will be made available for those respondents with Internet access available to them and would rather take the survey in the comfort of their own home. The surveys that are administered in-person (e.g., intercepts and interviews) will have the responses recorded on tablet computers.

4. Describe efforts to identify duplication.

This project was developed in close collaboration with local partners in the Mission-Aransas NERR and the Olympic Coast NMS. This project was proposed specifically to meet a gap in data related to stakeholder/human uses of ecosystem services available in the Mission-Aransas NERR and Olympic Coast NMS sites and the impacts those activities have on the overall ecological condition within the sites. To our knowledge, it does not duplicate research proposed or underway in the either NERR or NMS site.

This data collection is being coordinated with Sally Morehead-Palmer, the Mission-Aransas NERR Reserve Manager, Ed Busky, the Mission-Aransas Stewardship Coordinator, and others at the Mission-Aransas NERR site. We were informed that the Mission-Aransas NERR is not

presently conducting surveys of stakeholders in the Reserve. However, the resource managers expressed a profound interest in moving forward with the project. The above mentioned resource managers have reviewed our survey instrument, as well as the sampling and statistical design.

During project development we contacted Marie Bundy, the Chief Research Coordinator at NOAA's Estuarine Reserve Division (ERD) and Steve Gittings, the Science Program Manager for NOAA's Office of National Marine Sanctuaries (ONMS). Both expressed an interest as well as the need for this type of stakeholder research in both the NERR and NMS programs.

During development of this project, we also contacted Robert Leeworthy, Chief Economist at the ONMS to learn if he or others in his office were conducting or planning any data collections related to stakeholders in other NERR or NMS sites. He informed us that he was unaware of any similar survey collections occurring at the Olympic Coast NMS site. He pointed out that this type of information gathering will be very beneficial when the Olympic Coast NMS site begins developing their Next Generation Condition Report.

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

This collection will not involve small businesses or other small entities.

6. Describe the consequences to the Federal program or policy activities if the collection is not conducted or is conducted less frequently.

If the proposed information were not collected (or collected less frequently), then NOAA's Office of National Marine Sanctuaries (ONMS) and National Estuarine Research Reserve System (NERRS) would not have available important social data to satisfy the legal requirements put forth by the National Environmental Policy Act (NEPA), the National Marine Sanctuaries Act (NMSA), the Coastal Zone Management Act (CZMA), and Executive Order 12898 of 1994. The latter three mandates require federal agencies to establish conservation and management measures, which take into account the importance of marine and estuarine resources to local communities in order to provide sustained community participation and to minimize, to the extent possible, adverse economic impacts on such communities. Furthermore, all of these requirements mandate that NERR and NMS sites establish conservation and management plans and measures using the best available information.

The absence of up-to-date socio-economic information would limit the site's ability to estimate the social impacts of management proposals and examine the performance of existing regulations. Hence, the merits of management proposals would continue to be debated without the inclusion of social data. In addition, the availability of current information would minimize the likelihood of unforeseen impacts of existing regulations and court challenges on the grounds of deficient analysis. Lastly, the collection of detailed stakeholder data will allow NERR and NMS site managers to make timely and better-informed decisions by having the best information available.

Finally, if this data collection is not carried out, gaps in data relative to visitor attitudes, knowledge, perceptions, and resource use patterns in the NERR and NMS sites will persist and resource managers in the sites will not have the information to understand the nature of the resource users at the NERR and NMS sites.

7. Explain any special circumstances that require the collection to be conducted in a manner inconsistent with OMB guidelines.

N/A

8. Provide information on the PRA Federal Register Notice that solicited public comments on the information collection prior to this submission. Summarize the public comments received in response to that notice and describe the actions taken by the agency in response to those comments. Describe the efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.

A Federal Register Notice was published on September 23, 2013 (78 FR 58287) to solicit public comments. No comments were received.

This project was developed in close collaboration with local partners in the Mission-Aransas NERR and the ONMS. The principal investigators developed this data collection in consultation with staff from the Mission-Aransas NERR ONMS. Additionally, principal investigators made substantial efforts to consult with local experts on user activities in the Mission-Aransas NERR as well experts on survey and social research, including research staff with NOAA's Hollings Marine Laboratory Human Dimensions Research Program, the College of Charleston, and others. Below are the names of individuals who provided comments on some aspect of this data collection, including the survey and/or sampling designs:

Kristopher M. Huffman, M.Sc.
Statistician
American College of Surgeons
Chicago, IL.

Ed Busky, Ph.D.
Research Coordinator
Mission-Aransas NERR
Port Aransas, TX.

Sally Morehead-Palmer, M.Sc.
Reserve Manager
Mission-Aransas NERR
Port Aransas, TX.

Kiersten Madden, Ph.D.
Stewardship Coordinator
Mission-Aransas NERR
Port Aransas, TX.

9. Explain any decisions to provide payments or gifts to respondents, other than remuneration of contractors or grantees.

No payments or gifts will be given to respondents.

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

Foremost, it is important to note that no personally identifiable information (PII) will be collected in the course of this project. Respondents will be informed that data will only be reported in aggregate at the conclusion of the study. Nevertheless, as stated on the survey instruments, respondents will be advised that any information provided will be considered private and will be treated as confidential. NOAA National Ocean Service, National Centers for Coastal Ocean Science will retain control over the information and safeguard it from improper access, modification, and destruction, consistent with NOAA standards for confidentiality, privacy, and electronic information. The respondents will be notified that any information they provide will be accessible only by those in need of such information and will be stored in a password protected database. Only group averages or group totals will be presented in any reports, publications, or oral presentations of the study's results.

11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private.

No questions of a sensitive nature will be asked.

12. Provide an estimate in hours of the burden of the collection of information.

a. Estimation of Respondent Burden

We estimate that the number of respondents will be 1,415 annually (since we expect similar numbers from the next two sites chosen, these are our average annual estimates) **and the time per response will be about 20 minutes. Hence, we are requesting 472 burden hours.** The 20 minute per response burden includes the time for reading the instructions, reviewing the questions, and completing the survey instrument. This estimate is based on the type of questions asked, length of the survey instrument, and the researcher's experience conducting similar surveys.

b. Labor Cost of Respondent Burden

We estimate that the total labor cost of respondent burden to be approximately $5,469. This figure was derived from the per capita income reported for each county (in 2011 dollars). The per capita income figures were then averaged for all NERR and NMS counties, respectively, and divided by 52, which represents the number of weeks in an average year. That result was divided

again by 40, representing the average hours per work week. The average hourly wage in the five counties adjacent to the Mission-Aransas NERR is $10.93; the average hourly wage in the three counties adjacent to the Olympic Coast NMS is $12.24. The hourly wage averages were multiplied by the burden hours for the residential and intercept survey collection methods – 256 and 216 respectively – which resulted in **a total labor cost of $,2966 and $2,503 for the residential and intercept survey collection methods, respectively.**

13. Provide an estimate of the total annual cost burden to the respondents or record-keepers resulting from the collection (excluding the value of the burden hours in Question 12 above).

No additional cost burden will be incurred by respondents beyond response time.

14. Provide estimates of annualized cost to the Federal government.

The annual costs of the project to the Federal government are labor cost, approximately $43,500 and postage of $6,077 for each fiscal year (FY2013 and FY2014). **Total annual costs would be $49,577.**

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

This is a new collection.

16. For collections whose results will be published, outline the plans for tabulation and publication.

Data will be collected and analyzed by the research team. Researchers will use the SolVES GIS modeling, descriptive statistics, cross tabulations, chi square tests and factor analysis, among other statistical techniques, to analyze the data. Findings will be presented in a variety of formats, including tables, graphs, and maps. Upon completion of the project, the research team will produce a NOAA Technical Memorandum report of findings that will be made available to our collaborating NERR and NMS agencies and the public in PDF format. Additionally, the NERR and NMS will be encouraged to develop non-technical briefing materials that can be used by managers for outreach to their own constituents and focal audiences. Project principal investigators will provide at least one 'end-of-project' presentation to interested NERR and NMS resource managers. Finally, research findings may be presented at professional conferences and will be published in peer reviewed social science journals.

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

N/A.

18. Explain each exception to the certification statement.

N/A.

SUPPORTING STATEMENT

Social Values of Ecosystem Services (SolVES) in Marine Protected Areas for Management Decision-Making

OMB Control No. 0648-xxxx

B. COLLECTIONS OF INFORMATION EMPLOYING STATISTICAL METHODS

1. Describe (including a numerical estimate) the potential respondent universe and any sampling or other respondent selection method to be used. Data on the number of entities (e.g. establishments, State and local governmental units, households, or persons) in the universe and the corresponding sample are to be provided in tabular form. The tabulation must also include expected response rates for the collection as a whole. If the collection has been conducted before, provide the actual response rate achieved.

Description of Respondent Universe

a. Respondent Universe and Sample Size Estimation for Resident Surveys

Mission-Aransas NERR

The potential study universe for the resident data collection effort includes any person (age 18 or older) living in one of the five counties adjacent to the Mission-Aransas NERR site. These are: Aransas, Calhoun, Refugio, San Patricio, and Nueces. According to the 2010 U.S. Census, the total population of residents over the age of 18 for all five counties is 338,444. Given this information, and in order to generalize to the population, a response from a total of 384 residents is needed to be within a confidence level of 95%. However, given the fact that mail-back surveys typically achieve a response rate of only 20%-30%[1], a total of 1,535 surveys must be sent out in order to reach the needed 384 valid responses so that researchers may generalize to the population at the 95% confidence level.

Olympic Coast NMS

The potential study universe for the resident data collection effort includes any person (age 18 or older) living in one of the five counties adjacent or nearest to the Olympic Coast NMS site. These are: Clallam, Grays Harbor, and Jefferson. According to the 2010 U.S. Census, the total population of residents over the age of 18 for all three counties is 140,914. Given this information, and in order to generalize to the population, a response from a total of 383 residents is needed to be within a confidence level of 95%. However, given the fact that mail-back surveys

[1] Dillman, Don A., Jolene D. Smyth and Leah Melani Christian. (2009). *Internet, Mail, and Mixed-Mode Surveys: The Tailored Design Method*. 3rd ed. Hoboken, NJ: John Wiley & Sons, Inc.

typically achieve a response rate of only 20%-30%[2], a total of 1532 surveys must be sent out in order to reach the needed 383 valid responses so that researchers may generalize to the population at the 95% confidence level. The table below depicts the sampling information for both the Mission-Aransas NERR and Olympic Coast NMS sites.

The table below displays the totals for both sites in terms of total population over the age of 18; the target sample size, response rate, the number of valid returns needed; time per response; total burden hours; and, the total labor cost of respondent burden.

Site	Population >18 yrs.	Target Sample	Response rate	Valid returns needed	Time per response (in mins.)	Total burden (in hours)	Labor cost
M-A NERR	338,444	1,535	0.25	384	20	128	$1399
OC NMS	140,914	1,532	0.25	383	20	128	$1567
Totals	**479,358**	**3,069**	**0.25**	**767**	**20**	**256**	**$2966**
Non-response		2,302			1	38	$0

b. Respondent Universe and Sample Size Estimation for Intercept Surveys

The potential study universe for the intercept data collection effort includes any person over 18 years of age visiting a NERR or NMS site who engages in any non-commercial recreational activity from January 2014 to April 2015. In NERR and NMS sites, non-commercial users are not generally required to secure a permit or license to engage in most recreational activities. Because use permits are not required for most recreational activities within NERR and NMS sites, the total number of users in the potential respondent universe is unknown.

[2] Ibid.

However, based on management plans from a number of NERR and NMS locations[3,4,5,6], the average number of visitors per year, per NERR/NMS site, is approximately 37,257. Given this, there are approximately 3,105 monthly visitors (37,257/12) to an average NERR/NMS site who engage in non-commercial recreational activities on a monthly basis and therefore comprise the potential universe for the intercept and interview approaches. It is unknown if the 3,105 monthly visitors to the NERR/NMS sites are unique visitors or returning visitors.

We expect to survey approximately 11 users per day in 30 sampling days for a minimum of 324 users surveyed per site. A response rate of 90% has been typical of similar intercept surveys. Thus, we anticipate a similar response rate for the present data collection; a non-response rate of 10% is assumed. To accommodate a 10% non-response rate, a target sample size of 356 has been set for each intercept location:

Survey Site	Avg. # of visitors/month	Target Sample	Response rate	Valid returns needed	Response time (min.)	Burden hours	Labor cost
M-A NERR	3,104	356	0.9	324	20	108	$1181
OC NMS	3,104	356	0.9	324	20	108	$1322
Totals	**6,208**	**712**	**0.9**	**648**	**20**	**216**	**$2503**

Survey Approach	N	Target Sample	Response rate	Valid returns needed	Response time (min.)	Burden hours	Labor cost
Residential	**479,358**	**3,069**	**0.25**	**767**	**20**	**256**	**$2966**
Intercept	**6,208**	**712**	**0.9**	**648**	**20**	**216**	**$2503**
TOTAL	**485,556**	**3,781**	**--**	**1415**	**20**	**472**	**$5469**

[3] South Carolina Department of Natural Resources. (2011). *Ashepoo-Combahee-Edisto (ACE) Basin National Estuarine Research Reserve Management Plan 2011-2016*. Charleston, SC: South Carolina Department of Natural Resources.

[4] Guana Tolomato Matanzas National Estuarine Research Reserve. (2009). *Guana Tolomato Matanzas National Estuarine Research Reserve Management Plan May 2009 - April 2014*. Ponte Vedra Beach, FL: Florida Department of Environmental Protection - Coastal and Aquatic Managed Areas.

[5] Gaddis, Aimee, Hurley, Dorset, Vallaster, Brooke, VanParreren, Suzanne, Sullivan, Buddy, Mason, Ann, & Howell, Lyndsey. (2008). *Sapelo Island National Estuarine Research Reserve Management Plan 2008-2013*. Brunswick, GA: Reagin Printing Company.

[6] Evans, Anne, Madden, Kiersten, & Morehead-Palmer, Sally (Eds.). (2012). *The Ecology and Sociology of the Mission-Aransas Estuary: An Estuarine and Watershed Profile*. Port Aransas, TX: University of Texas.

The totals of the responses needed and the burden hours from the two tables, 1,415 and 472, are expected to be very similar for the next two sites selected and thus are our estimated annual hours.

Sample Selection of Respondents

a. Sample Selection for Resident Surveys

Using the Sampling Tool 10 for ArcGIS, created by NOAA/ National Center for Coastal Ocean Science (NCCOS)[7], a spatially oriented random sample of residents in the five counties adjacent to the Mission-Aransas NERR site and the three counties adjacent to the Olympic Coast NMS site will be established. These county groups were chosen at the request of the NERR and NMS staff and through analysis of populations most relevant to the site through the review of management plans. Then, using the reverse geo-coding tool available in ESRI's ArcGIS environment, the spatially random points will be assigned a physical address based on road network data and address locator files generated from U.S. Census Bureau information. The physical address locations will be compared to tax assessor's information for all eight counties and adjusted as necessary to ensure U.S. Postal Service delivery of the paper-based mail-back survey instrument.

b. Sample Selection for Intercept Surveys

NERR and NMS sites pose a particularly challenging sampling context for using intercept surveying techniques on resource users. Firstly, in the absence of a record of NERR and NMS site users, there is no readily identifiable sample frame for intercept surveys. Secondly, the shoreline of NERR sites and the open-water orientation of NMS sites make it relatively easy to access large portions of the management areas, meaning that there are many locations where resource users may walk and boat to in order to engage in recreational activities. There are only a few places in NERR and NMS sites where the public are prohibited from accessing, such as private property or where natural features impede access. In other words, access to the NERR and NMS management areas is largely open as opposed to being limited to just a few points where access-point intercept surveys could be reliably conducted. This circumstance makes execution of a stationary access-point survey problematic because many resource users would be missed if survey stations were set up at only a limited number of visitor access points.

Intercept surveys are ideally suited to locations where users may easily access a body of water from many different points. Additionally, intercept surveys are appropriate when researchers are interested in a particular body of water or a geographically bounded area, such as an island, lake or stretch of river. Consequently, we propose to supplement our paper-based mail-back survey efforts by collecting survey data using an intercept survey design. The intercept survey data collection method employed here will utilize a spatiotemporal frame for sampling.

[7] NOAA/NCCOS. (2012). Sampling Tool ArcGIS Software Plug-in (Version 10): NOAA/NCCOS.

The sampling design is a two-stage cluster sampling design. In the first stage, a sample of primary sampling units (PSUs), which we define as "access points," will be selected. Next a sample of visitors (secondary sampling units, SSU) will be selected from each selected PSU.

There are 32 access points in the Mission-Aransas NERR and each access point has up to 5 activities and up to 10 facilities (henceforth both are collectively deemed "amenities"). Each access point will be ranked according to:

- the number of activities at the location (Scale: 1-5)
- the number of facilities available at the location (Scale: 1-5)

The access point sites will be clustered according to their location to lessen the travel burden on the surveyors. Depending upon the level of surveyor involvement (i.e., the number of volunteers and students to conduct the survey), areas containing 3 sites or fewer will have all sites surveyed; areas with more than 3 sites will have at least 3 locations randomly selected and surveyed from those appearing within the locator map.

We define every day in the 30 day sampling effort as a "visitation day." Each visitation day is 12 hours in length (0700-1900) and will be divided into (4) - 3 hour increments: 0700-1000; 1000-1300; 1300-1600; and 1600-1900.

A number of NERR and NMS resource managers have informed us that, generally speaking, visitation is not overly intense for any given access point in protected areas. Therefore, we propose a census of shore-based stakeholders once the surveyor arrives at the survey site. After arriving at the survey site, the surveyor will interview every visitor encountered as he or she arrives at the access point. Per survey period, assuming interviews take approximately 20 minutes to complete, one surveyor could realistically complete 6 to 9 surveys during a survey period (3 hours). Should visitation to a particular access point be extremely high during an assignment, meaning that a survey site has more than 10 visitors at the time of the survey, the surveyor will systematically sub-sample visitors for inclusion by selecting every *k*th visitor for the survey instead of completing a census. To determine the *k* interval to be used, the surveyor will count or estimate the total number of visitors within line-of-sight at the survey location. For sites with 10 to 20 visitors visible, the surveyor will sample every 2nd visitor for survey. For sites with more than 20 visitors visible, the surveyor will sample every 3rd visitor until the survey period has concluded.

Weights for Selection of Time of Day and Access Point Unit

The SSU will be weighted so as to increase efficiency in sampling and to reflect expected visitation pressure. Anecdotal information from NERR and NMS resource managers indicates that visitation is highest in the afternoon (1300 to 1600) and evening hours (1600 to 1900) for both weekdays and weekend days. Consequently, time of day will be weighted based on anticipated visitation levels defined as the number of visitors expected by time of day (i.e.,

morning, mid-day, afternoon and evenings), with 1 representing low or no visitation and 2 representing high visitation, as follows:

Time Segment	Weight
0700 to 1000	1
1000 to 1300	1
1300 to 1600	2
1600 to 1900	2

Weights for the access points will be based on expected visitation levels. Each segment will be ranked numerically from 1 to 5, with 5 representing high visitor levels and 1 representing low visitor level. Rankings will be based on the number of known activities for the access point (on a scale from 1 to 5)[8] and the number of facilities available for the access point (on a scale from 1 to 5)[9]. For each access point the factor weights will be averaged resulting in the final weight for each access point, thus:

Access Site ID	**Weight**
1	2
2	2
3	3
4	2
5	4
6	2
7	2
8	4
9	3
10	5
11	2
12	3
13	3
14	1
15	3
16	5
17	3

[8] Activity Ranking: 5 = 4+ activities; 4 = 3 activities; 3 = 2 activities; 2 = 1 activities; 1 = 0 activities.

[9] Facility Ranking: 5 = 9+ facilities; 4 = 7-8 facilities; 3 = 5-6 facilities; 2 = 3-4 facilities; 1= 1-2 facilities.

18	3
19	3
20	2
21	2
22	2
23	3
24	2
25	2
26	3
27	4
28	4
29	3
30	4
31	3
32	4

The access points and the time segments will be combined to create 128 access point-time units. Weights for each access point will be summed with the corresponding weight for each of the 4 time segment units. Below is an example of the weighting summary for Access Point 1 by each of the time segments:

Access Point ID	Time Segment	Access Point Weight	Time Segment Weight	Total Weight for Shoreline-Time Segment Unit
		1 to 5	1 to 2	(Access Point Weight + Time Segment Weight) 2 to 7
1	0700 to 1000	2	1	3
1	1000 to 1300	2	1	3
1	1300 to 1600	2	2	4
1	1600 to 1900	2	2	4

SSU will be selected using unequal probability sampling without replacement. The probability of an access point-time segment unit being selected into the sample is:

$$P(AT_i) = \frac{W_{AT_i}}{\sum_{i=1}^{128} W_{AT_i}}$$

Where:

AT_i access point-time segment unit, with a range of $ST_1 \ldots ST_{128}$

W_{ATi} weight of access point-time segment unit, AT_i

2. Describe the procedures for the collection, including: the statistical methodology for stratification and sample selection; the estimation procedure; the degree of accuracy needed for the purpose described in the justification; any unusual problems requiring specialized sampling procedures; and any use of periodic (less frequent than annual) data collection cycles to reduce burden.

Statistical Methodology for Sample Selection

a. Sample Selection for Intercept Surveys

We will employ a two stage cluster, unequal sampling design for this data collection. For each stratum, as described above, first, we will select the day units using simple random sampling without replacement. We will then select the access point-time segment unit, weighted for both access point and time segment, for which we will use unequal probability sampling (probability proportional to size (pps)) without replacement.

b. Sample Selection for Resident Surveys

Attribute profiles for user activity, demographics and management preferences will be summarized using basic design-based univariate descriptive statistics. Associations between select independent (i.e., age, residence, place of birth, income, employment, etc.) and dependent variables (i.e., satisfaction with management activities, main reason for using the NERR/NMS site, frequency of NERR/NMS site use, etc.) will be examined using the chi-square test and Cochran-Mantel-Haenszel test for survey data. The SolVES GIS model that will be used for the spatial analysis of stakeholder respondents will develop spatial autocorrelation and average nearest neighbor statistics. Factor analysis will also be used to determine if any explanatory pattern exists within and amongst the variables found in the survey results.

Unusual Problems Requiring Specialized Sampling Procedures
There are no unusual problems that require specialized sampling procedures.

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

We anticipate at least a 20%-30-% response rate for the mail-back portion of the survey effort and approximately a 90% response rate for the intercept data collection. For both approaches we have developed a short survey so that we will not unduly inconvenience users. To increase awareness about the study and increase response rate we plan to work with the NERR and NMS communication's staff in outreach to engage local radio, television, newspapers and newsletter editors in the research effort. The goal of these activities is to inform the public about

the need for the data, explain its uses, and describe how the surveys will be conducted. Additionally, we will enlist the help of local site staff who are familiar with the NERR/NMS site, its culture and resource uses, to complete the surveys. Local staff will be trained extensively on appropriate field interviewing etiquette and protocol. Our management collaborators indicate that resource users (especially those in the Tribal areas associated with the Olympic Coast NMS) will be more comfortable with a local person and, thus, be more willing to participate in the survey.

The implementation of the mail surveys is based on the Dillman's Tailored Design Method.[10] This approach includes multiple steps and points of contact. First a postcard will be sent to potential respondents asking them to look out for the survey to come the next week. The survey mailing will include the questionnaire, a map, a pre-addressed stamped envelope and a detailed cover letter. The cover letter will explain the project, why a response is important, a statement indicating that all personal information will be kept confidential, and instructions for completing and returning the completed survey (via mail/fax/email). Color will be used on address labels to make the envelopes stand out. Surveys will be tracked using individual identification numbers. A follow-up thank you postcard will be sent seven to nine days after the questionnaire. The postcard will express appreciation for participating and will indicate that if the completed questionnaire has not yet been mailed, it is hoped that it will be returned soon. For the email invitations to take the internet surveys we will use a number of techniques[11] to increase response including:

- Subject lines on contact emails clearly indicating the purpose of the survey and explicitly avoiding SPAM language in the subject line or body of the message (i.e. title all caps)
- Information on how the respondent's name was obtained, the survey intention, the use of the data, and guarantees of anonymity
- Personalized messages
- Use of a ".gov" reply email address
- Indication of how long the survey takes to complete and the cutoff date
- Use of only clean and updated email lists
- Scheduled regular reminders and follow-ups.

Having said the above, we have been advised by our local collaborators that questions related to the respondent's income and employment may be objectionable and, thus, invoke a resistance to provide answers to these specific questions. To address this possibility we will develop a detailed "response to user questions" sheet for the surveyor to use when users inquire about why information is necessary. The surveyor will be instructed to rely on this set of answers and respond to any user questions about why we want such information. This will be done to increase user comfort with these questions. Additionally, for the income question, by recommendation of

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[10] Dillman, Don A., Jolene D. Smyth and Leah Melani Christian. (2009). *Internet, Mail, and Mixed-Mode Surveys: The Tailored Design Method*. 3rd ed. Hoboken, NJ: John Wiley & Sons, Inc.

[11] *Ibid*.

our reviewers, we will use an "income response card" so that a user may point to his or her response of choice. This type of option has been shown to increase a respondent's comfort level when answering income questions because the respondent does not have to state their income level verbally around other people; it is more private. Nevertheless, by design, we have included these questions at the end of the survey in order to maximize the likelihood that the more significant portions of the surveys will be completed prior to engaging the user on these items. Prior to data analysis, we will assess the refusal rate for each item on the survey and discard from further analysis any item that is not statistically reliable.

In limiting non-response for the intercept approach to the survey administration it will be suggested to the resource managers that older volunteers be recruited as surveyors. In addition to the use of older volunteers, it will also be suggested that the surveyors mention NOAA or university affiliation and personally appeal to the respondent when introducing the survey. These approaches to minimize survey non-response are based on the compliance principles of authority and social validation.[12] To further reduce heuristic decision-making responses by potential survey subjects, details regarding issues of anonymity, the purpose of the survey, and the difficulty of the survey questions will be presented. This approach is intended to allow the respondent to take a systematic approach to their decision-making regarding the choice of responding or not to the survey.[13]

In general, non-response analyses will be undertaken to assess the impact of non-response on data quality per guidance issued via the OMB Standards and Guidelines for Statistical Surveys. Response rates will be calculated for the collection as a whole as well as for each item on the survey. Where non-response is found to be an issue, we will examine patterns within the data to assess potential for presence of non-response bias in the data.

We will follow OMB designated best practices in determining unit and item response rates. These include calculating un-weighted and weighted response rates. To calculate un-weighted unit response rates the following formula will be applied:

$$RRU = \frac{C}{C + R + NC + O + e(U)}$$

Where:

C = number of completed cases or sufficient partials;
R = number of refused cases;
NC = number of non-contacted sample units known to be eligible;
O = number of eligible sample units not responding for reasons other than refusal;

[12] Dijkstra, Wil, & Smit, Johannes H. (2002). Persuading reluctant recipients in telephone surveys. In R. M. Groves, D. A. Dillman, J. L. Etinge & R. J. A. Little (Eds.), *Survey Nonresponse*. New York, New York: John Wiley & Sons, Inc.

[13] *Ibid.*

U = number of sample units of unknown eligibility, not completed; and
e = estimated proportion of sample units of unknown eligibility that are eligible.

To calculate the weighted unit response rates the following formula will be applied for each observation *i*:

$$RRW = \frac{\Sigma w_i C_i}{\Sigma w_i (C_i + R_i + NC_i + O_i + e(U_i))}$$

Where:

C_i = 1 if the ith case is completed (or is a sufficient partial), and C_i = 0 if the ith case is not completed;
R_i = 1 if the ith case is a refusal and R_i = 0 if the ith case is not a refusal;
NC_i = 1 if the ith case is a non-contacted sample unit known to be eligible and NC_i = 0 if the ith case is not a non-contacted sample unit known to be eligible;
O_i = 1 if the ith case is a eligible sample units not responding for reasons other than refusal and O_i = 0 if the ith case is not a eligible sample unit not responding for reasons other than refusal;
U_i = 1 if the ith case is a sample units of unknown eligibility and U_i = 0 if the ith case is not a sample unit of unknown eligibility;
e = estimated proportion of sample units of unknown eligibility that are eligible; and
w_i = the inverse probability of selection for the ith sample unit.

Because this study involves multiple stages and part of our sample is drawn with probability proportionate to size (PPS), we will calculate the overall unit response rate with the following formula:

$$RRO^c = \prod_{i-1}^{K} RRU_i$$

Where:

RRU_i = the unit level response rate for the ith stage;
C denotes cross-sectional; and
K = the number of stages.

We will also estimate the bias of the sample respondent mean using the following formula:

$$B(\overline{yr}) = \bar{y}_r - \bar{y}_t = \left(\frac{n_{nr}}{n}\right)(\bar{y}_r - \bar{y}_{nr})$$

Where:

$\bar{y}_t$ = the mean based on all sample cases;
$\bar{y}_r$ = the mean based only on respondent cases;
$\bar{y}_{nr}$ = the mean based only on the non-respondent cases;
n = the number of cases in the sample; and
n_{nr} = the number of non-respondent cases.

In the analysis of unit nonresponse, we will employ a multivariate modeling of response using respondent and non-respondent frame variables to determine if nonresponse bias exists. We will

also compare the respondents to known characteristics of the population from the U.S. Census Bureau in order to investigate possible bias.

4. Describe any tests of procedures or methods to be undertaken. Tests are encouraged as effective means to refine collections, but if ten or more test respondents are involved OMB must give prior approval.

The survey was tested by our local collaborators on 5 randomly selected, non-commercial resource users within the Mission-Aransas NERR site. The survey performed very well in that users understood and answered questions without concern or difficulty. However, in response to this test, we intend to develop and deploy with the surveyor an answer sheet with standard responses to anticipated questions about the survey and individual items. Surveyors will be instructed to respond to user questions about the need and use of subsistence and income questions using the answer sheet. Additionally, during outreach events, we will provide information to the general public about the need for data being collected, as well as its intended use.

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

Kristopher M. Huffman, M.Sc.
Statistician
American College of Surgeons
Chicago, IL.

Susan Lovelace and Jarrod Loerzel will supervise data collection. Data analysis will be completed by Jarrod Loerzel, Susan Lovelace, and Maria Dillard as well as the aforementioned NERR and NMS staff.

Susan Lovelace, Ph.D.
Environmental Social Scientist
Human Dimensions Research Program
NOAA NOS NCCOS
Hollings Marine Laboratory
JHT, Inc.
331 Ft. Johnson Rd.
Charleston, SC 29412
Email: susan.lovelace@noaa.gov
Phone: 843-762-8933

Jarrod Loerzel, M.Sc., M.P.A.
Environmental Social Scientist
Human Dimensions Research Program
NOAA NOS NCCOS
Hollings Marine Laboratory
Email: jarrod.loerzel@noaa.gov
Phone: 843-762-8864

Maria Dillard, M.A.
Environmental Social Scientist
Human Dimensions Research Program
NOAA NOS NCCOS
Hollings Marine Laboratory
Email: maria.dillard@noaa.gov
Phone: 843-762-8929

OMB SUBMISSION

NOAA NOS National Centers for Coastal Ocean Science
Hollings Marine Laboratory
Social Values of NERR and NMS Survey
OMB Control Number 0648-XXXX
Expiration Date: XX/XX/201X

CORE MODULE

Hello. We are interested in learning about how you value the <site name> and its natural resources. Your participation is voluntary and will be kept strictly confidential. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subjected to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number. The survey has been approved by the College of Charleston Institutional Review Board for the Protection of Human Research Participants. IRB Approval Code: XXXX2013

Public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions and completing both the mapping component and survey. All of the information you provide will be considered private and will be treated as confidential and protected by the NOAA National Ocean Service, National Centers for Coastal Ocean consistent with NOAA standards for confidentiality, privacy, and electronic information. Any information provided will be accessible only by those in need of such information. Only group averages or group totals will be presented in any reports, publications, or presentations of the study's results. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Susan Lovelace, National Oceanic and Atmospheric Agency, National Ocean Service, National Centers for Coastal Ocean Science, Hollings Marine Laboratory 331 Ft. Johnson Road, Charleston, SC 29412 USA

Section 1. Participation

1. First, can you please tell us the ZIP code that you live in? _____
2. How many years have you lived in or nearby this location? _____
3. Do you consider yourself _____seasonal resident _____ permanent resident (please check one)
4. Have you ever visited the <site name> or areas nearby?
   _____Yes _____No _____ Unsure/don't know
5. If you answered yes or unsure to question 4, about how often?

_____every day
_____several times to once a week
_____several times to once a month
_____several times a year to once a year
_____less than once a year

Section 2. Conditions of <site name>

6. Below we ask for your opinion of the change in conditions at the <site name> while you have lived in the area. The possible responses range from “Large Increase” to “Large Decrease.” You may also respond with “Unsure or Don’t Know.”

	Large Increase	Increase	Neutral	Decrease	Large Decrease	Unsure or Don’t Know
shellfish habitat						
fish to catch						
Blue crab habitat						
seagrass habitat						
shoreline erosion						
birds and wildlife						
public access to land and water resources						
frequency of adverse conditions (i.e. red tides, algal blooms, jellyfish)						

Section 3. Place Attachment

7. Below are several questions about your use of the <site name> and the role it plays in the life of your family and your community. The possible responses range from “Strongly Agree” to “Strongly Disagree.” You may also respond with “Unsure or Don’t Know.” Please select the response that best represents your opinion of the statement.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Unsure or Don't Know
The <site name> is the best place to satisfy my outdoor recreation needs						
The <site name> represents a way of life in my community						
The <site name> is important for providing habitat for fish and other wildlife						
I am very attached to the <site name>						
I get more satisfaction out of visiting the <site name> than any other place:						

My community's economy depends on the natural resources of the <site name>						
The <site name> contributes to the character of my community						

Section 4. Values

The <site name> holds different values for each person. We would like to know how important each of the following value types are to you when you think about the <site name>. Later, we will ask you to mark places that you value on the map.

8. *Imagine that you could "spend" 100 pennies to ensure that the <site name> is able to preserve or develop the characteristics that you most value. You may allocate or "spend" the 100 pennies in any way you like, but your total spending may not exceed 100. You might "spend" all 100 pennies on one value (and 0 on all others), or you might "spend" 50 pennies on one value, 25 on another value, and 25 on yet another value. Remember, the total pennies you "spend" should equal 100.* (The use of money for this exercise is **not made to actual money**, your own or an agency's budget but just a convenient way to compare your choices). Begin by looking over all of the value types, and then decide what value each has for you.

$____ **Aesthetic (A)** — I value the <site name> because I enjoy the beauty, sights, sounds, and smells.

$____ **Biodiversity (B)** — I value the <site name> because it provides a variety of fish, wildlife, plant life, etc.

$____ **Economic (E)** — I value the <site name> because it provides timber, fisheries, minerals, and/or tourism opportunities such as outfitting and guiding.

$_____**Legacy (Lg)** — I value the <site name> because it allows future generations to know and experience the area for its contribution to wisdom, knowledge, traditions and way of life.

$____ **In and of Itself (I)** — I value the <site name> in and of itself, whether people are present or not.

$____ **Learning (L)** — I value the <site name> because we can learn about the environment through scientific research and education.

$____ **Human Needs (H)** — I value the <site name> because it helps produce, preserve, clean, and renew air, soil, water and food.

$____ **Recreation (R)** — I value the <site name> because it provides a place for my favorite outdoor recreation activities.

$_____**Spiritual (S)** — I value the <site name> because there are sacred, religious, or spiritually special places for me or because I feel reverence and respect for nature there.

$_____**Therapeutic (T)** — I value the <site name> because it makes me feel better, physically and/or mentally. It is calming.

$_____**Wilderness (W)** I value the <site name> because it is undeveloped with minimal human impact,

$_____**Inspiration (Ip)** I value the <site name> because it motivates me to action or thought.

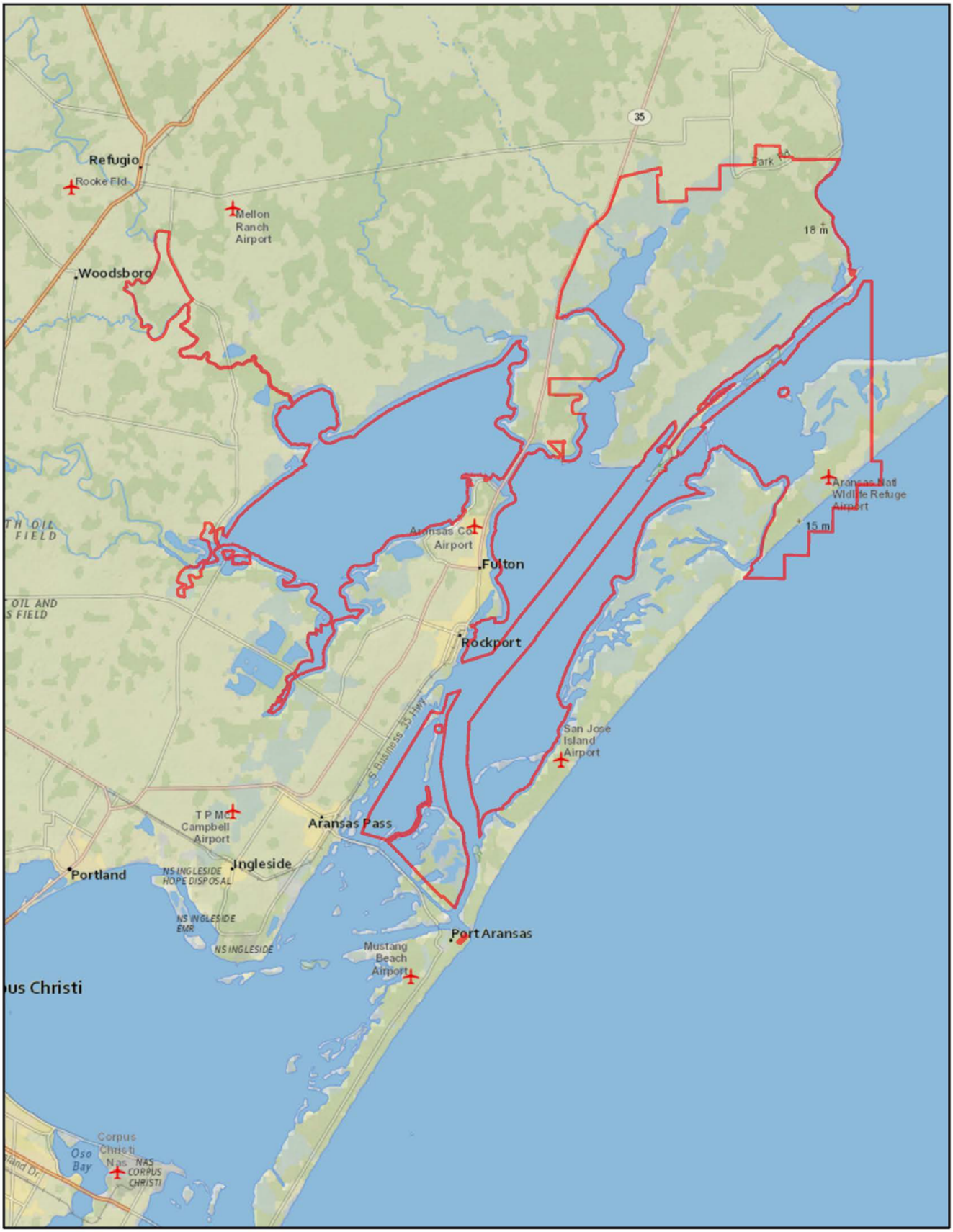
$_____**Socializing (So)** I value the <site name> because it allows me to comfortably interact with others.

Remember, the total of all your values should be 100.

Section 5. Mapping Values

9. This map includes the area of the <site name>. We have also included boat ramps and other general reference points to help you orient to places you know. Please make a mark on the map at each place that you most value. You may place up to 20 markers. Next to each mark please put the abbreviation of the value (in red) (for paper based maps), or use the drop-down menu to select the value type (for the on-line version) that represents the most important reason you value that place. You may select different values for different locations.

    1. **Aesthetic (A)** — I value <site name> because I enjoy the beauty, sights, sounds, and smells.
    2. **Biodiversity (B)** — I value <site name> because it provides a variety of fish, wildlife, plant life, etc.
    3. **Economic (E)** — I value <site name> because it provides timber, fisheries, minerals, and/or tourism opportunities such as outfitting and guiding.
    4. **Legacy (Lg)** — I value <site name> because it allows future generations to know and experience the area for its contribution to wisdom, knowledge, traditions and way of life.
    5. **In and of itself (I)** — I value <site name> in and of itself, whether people are present or not.
    6. **Learning (L)** — I <site name> because we can learn about the environment through scientific research and education.
    7. **Human Needs (H)** — I value <site name> because it helps produce, preserve, clean, and renew air, soil, water and food.
    8. **Recreation (R)** — I value <site name> because it provides a place for my favorite outdoor recreation activities.
    9. **Spiritual (S)** — I value <site name> because there are sacred, religious, or spiritually special places for me or because I feel reverence and respect for nature there.
    10. **Therapeutic (T)** — I value <site name> because it makes me feel better, physically and/or mentally. It is calming.
    11. **Wilderness (W)** I value <site name> because it is undeveloped with minimal human impact,
    12. **Inspiration (Ip)** I value <site name> because it motivates me to action or thought.
    13. **Socializing (So) I** value <site name> because it allows me to comfortably interact with others.


Refugio
Rooke Fld
Mellon Ranch Airport
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Park
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Aransas Nat'l Wildlife Refuge Airport
15 m
Aransas Co Airport
Fulton
Rockport
S Business 35 Hwy
San Jose Island Airport
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Aransas Pass
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Sections 6. 2-3 MANAGEMENT MODULES INSERTED HERE

10.

11.

Section 7. Demographics

Finally, we would like to ask just a few questions to help us understand your needs.

12. Does your household income depend on products or services related to <site name> resources?

_____Yes _____No _____Unsure

13. If yes, please describe the source of the income:

_____Fish
_____Shellfish
_____Tourism
_____Other

14. In what year were you born? _____

15. Are you _____male _____female?

16. What is your highest level of education?

_____Less than high school diploma
_____High school diploma or GED
_____college degree- 4-year or
_____Technical
_____Graduate degree

17. What is your average yearly income?

_____ Less than $ 10,000
_____$39,999 or below
_____$40,000-$69,999
_____$70,000 or more

18. What is your occupation? _____

19. What is your ethnicity?

_____ Hispanic or Latino
_____ Not Hispanic or Latino

20. With which racial group(s) do you most identify? (Choose one or more)

_____American Indian or Alaska Native
_____Asian
_____Black or African American
_____Native American
_____Native Hawaiian or Other Pacific Islander
_____Caucasian

1. This data collection request involves the gathering of value, use, and location information specific to ecosystem services as well as general socioeconomic information from those using NERR and NMS sites. This data collection ensures that NOAA's Office of National Marine Sanctuaries (ONMS) and National Estuarine Research Reserve System (NERRS) have available important social data to satisfy the legal requirements put forth by the National Environmental Policy Act (NEPA) (42 U.S.C. § 4321 *et seq.*), the National Marine Sanctuaries Act (NMSA) (16 U.S.C. § 1431 *et seq*.), the Coastal Zone Management Act (CZMA) (16 U.S.C. § 1451 *et seq.*), and Executive Order 12898 of 1994. The latter three mandates require federal agencies to establish conservation and management measures, which take into account the importance of marine and estuarine resources to local communities in order to provide sustained community participation and to minimize, to the extent possible, adverse economic impacts on such communities. Furthermore, all of these requirements mandate that NERR and NMS sites establish conservation and management plans and measures using the best available information.

The absence of up-to-date socio-economic information would limit the ability of NERR and NMS sites to estimate the social impacts of management proposals and examine the performance of existing regulations. Hence, the merits of management proposals would continue to be debated without the inclusion of social data. In addition, the availability of current information would minimize the likelihood of unforeseen impacts of existing regulations and court challenges on the grounds of deficient analysis. Lastly, the collection of detailed stakeholder data will allow NERR and NMS site managers to make timely and better-informed decisions by having the best information available.

Finally, if this data collection is not carried out, gaps in data relative to visitor attitudes, knowledge, perceptions, and resource use patterns in the NERR and NMS sites will persist and resource managers in the sites will not have the information to understand the nature of the resource users at the NERR and NMS sites.

2. This data collection will be used by resource managers in selected NERR and NMS sites to better understand the nature of stakeholder use patterns so as to inform management decisions. This information could be used by NERR and NMS resource managers to inform NERR and NMS management plans or programs, outreach/education activities, or policies related to the management of the NERR and NMS sites.

Public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions and completing and reviewing both the survey and the mapping component. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Susan Lovelace, Hollings Marine Laboratory, 331 Fort Johnson Road, Charleston, SC 29412 (or via the Internet at susan.lovelace@noaa.gov).

Your participation is voluntary and will be kept strictly confidential. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subjected to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number. NOAA National Ocean Service, National Centers for Coastal Ocean Science will retain control over the information and safeguard it from improper access, modification, and destruction, consistent with NOAA standards for confidentiality, privacy, and electronic information. Any information provided will be accessible only by those in need of such information and will be stored in a password protected database. Only group averages or group totals will be presented in any reports, publications, or oral presentations of the study's results; in no case will individual responses be used.

Management Modules - Two will be inserted into Surveys for Mission-Aransas NERR and Olympic National Marine Sanctuary

MM #1

Next, we would like to ask you about the role that you think the public should play in the management of <site name>. Please select one response.

_____None, Public officials and staff should conduct the planning and management.
_____The public should provide suggestions for managers to consider.
_____Public should be full and equal partners with public officials and resource managers in planning and management decisions.
_____Planning and management should be based solely on public opinion.
_____Don't know or I am unsure.

MM#2

Changes over Time

We would like to ask you about your general opinions of the <site name>. The possible responses range from “Strongly Agree” to “Strongly Disagree.” You may also respond with “Not sure or Don’t Know.” Please select the response that best represents your opinion of the statement.

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Not sure or Don't Know
I am interested in what happens in the <site name> in the next 10-15 years.						
I have seen an improvement in the natural environment of the <site name> since I have been living/visiting the area.						
Since I have been living/visiting the <site name>, there are more opportunities to recreate and enjoy the area.						
Development has reduced my access to and enjoyment of the <site name>.						

MM#3

Public Access

Public access to coastal waters and waterways has been identified as a priority management issue. From your perspective, how adequate is existing public access to the <site name>? For each access type please select the response that best represents your opinion. The possible responses range from “More than Adequate Access” to “Little or No Access.” You may also respond with “Don’t Know.”

	More than Adequate Access	Adequate Access	Neutral	Inadequate Access	Little or No Access	Don't Know

Boat Ramps						
Beaches						
Boat Slips						
Restaurants and restaurant dockage						
Scenic view points						
Waterway nature trails (Blue ways)						
Nature trails adjacent to water						
Natural swimming areas						
Boardwalks						
Dune walkovers						
Mooring buoys						
Whale watching sites						
Diving sites						
Camping						
Surfing sites						
Kayaking sites						
Fishing sites						
Clamming areas						
Board sailing sites						
Tide pooling sites						
Spearfishing sites						

MM #4

Condition of Site [Expanded prompts from Question #6.]

Below we ask for your opinion of the change in conditions at the <site name> while you have lived in the area. The possible responses range from “Large Increase” to “Large Decrease.” You may also respond with “Unsure or don’t know.”

	Large Increase	Increase	No change	Decrease	Large Decrease	Unsure or don't know
Debris and trash in the water:						
Congestion at water and beach access sites						
Natural areas and associated wildlife						
Restaurants and other shoreline recreational opportunities						
Natural shoreline due to development	N/A	N/A				
Public education programs						
Parking spaces at water and beach access sites						
Boats						
Hunters						
Waterway maintenance (canals, channels, passes)						
Safe operation of vessels						
Vessel discharges						

MM#5

Management Goals

Local communities have identified goals to guide management decisions that affect the <site name> and its watershed. Please indicate your level of agreement with each of the potential goals for the <site name>. The possible responses range from "Strongly Agree" to "Strongly Disagree." You may also respond with "Unsure or don't know." Please select the response that best represents your opinion of the statement.

	High priority	Priority	Neutral	Low priority	Not a priority	Unsure or don't know
Improve water quality:						
Manage the quantity and improve the quality of storm water runoff to the <site name>:						
Restore shoreline and wetland habitats:						
Eliminate further loss of shoreline and wetland habitats:						

Restore and sustain fish stocks and other living marine resources in the <site name> :						
Provide increased levels of public access to the <site name> and its resources:						
Increase the resilience of coastal communities in the face of natural and human-induced disasters (such as hurricanes and rising seas):						
Incorporate local social and cultural heritage into management of the <site name> resources (such as public input and community advisory boards):						
Increase awareness of human-use patterns that influence resource sustainability						
Integrate understanding of human uses with knowledge of natural processes						
Purchase additional non-wetland areas to add to publically owned lands within or adjacent to the <site name>:						
Create areas in the <site name> where no fishing is allowed						
Establish areas in the <site name> where motorized crafts are limited to no-wake and non-motorized crafts are encouraged:						

MM#6

Place Attachment [Expanded prompts from Question #7.]

Below are several questions about your use of the <site name> and the role it plays in the life of your family and your community. The possible responses range from “Strongly agree” to “Strongly disagree.” You may also respond with “Don’t know.” Please select the response that best represents your opinion of the statement. [Expanded prompts from Question #7.]

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Don't Know
Mine or my family's income or livelihood depends on the <site name>.						
The tourism dollars that the <site name> a t t r a c t s are essential to my community's economy.						
I identify strongly with the <site name>:						

The <site name> means a lot to me.						
Many important memories of my family are tied to the <site name>.						
The <site name> is a special place for my family.						
No other place can compare to the <site name>.						
In any development plan, it is important to consider protecting the environment of the <site name>.						
I feel a sense of pride in my heritage when I am in the <site name>.						
My community's history is strongly tied to the <site name>.						
It is important to preserve/conserve natural and unique ecosystems like the <site name>.						

MM#7

Knowledge

To help us better understand how local residents understand the characteristics of the <site name>, please rate your level of understanding of the following management dimensions. Please select "Excellent," "Good," "Fair," "Poor," or "Not sure" for each of the dimensions.

	Excellent	Good	Fair	Poor	Not sure
Policy					
Ecology					
History/Culture					
Recreational Opportunities					
Engagement Opportunities					
Educational Opportunities					

Below is a summary of the purpose of each question or module of questions contained within the question bank.

Core Module

Section 1. Participation

Question 1: What is your ZIP code?
This question will be used to determine the spatial relationship of the respondent to the <site name>. The researchers will also use the spatial data to assess the distance traveled by the respondent to the <site name>.

Question 2: How many years have you lived in the [NERR/NMS site] area?
This question will be used to assign longevity to the relationship of the respondent with the general geographic area.

Question 3: And do you consider yourself a seasonal or permanent resident?
This question will be used to determine whether the respondent has a year round or seasonal relationship with the geographical area.

Question 4: Have you ever visited the <site name> or areas nearby?

Question 5: If you answered yes or unsure to question 4, about how often do you visit?

Questions 4 and 5 will help to define the relationship that the respondent has with the site.

Section 2. Conditions of <site name>

Questions [6a-6h] are designed to obtain information on the stakeholder's perceptions of the condition of the NERR/NMS amenities. This information provides a long term view of the health of the amenities and establishes if there is a need for educating users about particular conditions within the site. Respondents will be asked rank their perception of the condition of each amenity on five point Likert-type scales ranging from "Large Increase" to "Large Decrease." "Neutral," "Unsure" or "Don't Know" can be selected as well (Cole, 2012; Loerzel et al., submitted).

Question 6a: shellfish habitat
Question 6b: fish to catch
Question 6c: Blue crab habitat
Question 6d: sea grass habitat
Question 6e: shoreline erosion
Question 6f: birds and wildlife
Question 6g: public access to land and water resources
Question 6h: frequency of adverse conditions (i.e. red tides, algal blooms, jellyfish, etc.)

Section 3. Place Attachment

Questions [7a-7g] are designed to assess the respondent's attachment to the <site name>. Respondents will be asked rank their perceptions of each statement on a five point Likert-type scale ranging from "Strongly Agree" to "Strongly Disagree" with options of "Unsure" or "Don't Know" and "Neutral" (Kil, 2008).

Question 7a: The <site name> is the best place to satisfy my outdoor recreation needs.
Question 7b: The <site name> represents a way of life in my community.
Question 7c: The <site name> is important for providing habitat for fish and other wildlife.
Question 7d I am very attached to the <site name>.
Question 7e: I get more satisfaction out of visiting the <site name> than any other place.
Question 7f: My community's economy depends on the natural resources of the <site name>.
Question 7g: The <site name> contributes to the character of my community.

Section 4. Values

Questions [8a-8m] are designed to obtain information on the stakeholder's valuation of ecosystem services available in the NERR/NMS sites. Because each person values NERR/NMS resources differently, respondents will be asked to read each social value type in the following list and assign an amount to those ecosystem services they value. The total amount allocated shall not exceed 100 pennies. The following page represents an example of how this module will be presented to the respondent (Brown, 2012; Clement and Cheng, 2011).

8. Imagine that you could "spend" a bag of 100 pennies to ensure that the <site name> is able to preserve or develop the characteristics that you most value. You may allocate or spend the 100 pennies in any way you like, but your total spending may not exceed 100 pennies. You might "spend" all 100 on one value (and 0 on all others), or you might "spend" 50 on one value, 25 on another value, and 25 on yet another value. Remember, the total pennies you spend should equal 100.
(The use of money for this exercise is **not made to actual money**, your own or an agency's budget, but is just a convenient way to compare your choices).
Begin by looking over all of the value types, and then decide what value each has for you.

8a. $____ **Aesthetic (A)** — I value the <site name> because I enjoy the beauty, sights, sounds, and smells.
8b. $____ **Biodiversity (B)** — I value the <site name> because it provides a variety of fish, wildlife, plant life, etc.
8c. $____ **Economic (E)** — I value the <site name> because it provides timber, fisheries, minerals, and/or tourism opportunities such as outfitting and guiding.
8d. $____**Legacy (Lg)** — I value the <site name> because it allows future generations to know and experience the area for its contribution to wisdom, knowledge, traditions and way of life.
8e. $____ **In and of Itself (I)** — I value the <site name> in and of itself, whether people are present or not.
8f. $____ **Learning (L)** — I value the <site name> because we can learn about the environment through scientific research and education.
8g. $____ **Human Needs (H)** — I value the <site name> because it helps produce, preserve, clean, and renew air, soil, water and food.
8h. $____ **Recreation (R)** — I value the <site name> because it provides a place for my favorite outdoor recreation activities.
8i. $_____**Spiritual (S)** — I value the <site name> because there are sacred, religious, or spiritually special places for me or because I feel reverence and respect for nature

there.

8j. $____**Therapeutic (T)** — I value the <site name> because it makes me feel better, physically and/or mentally. It is calming.

8k. $____**Wilderness (W)** I value the <site name> because it is undeveloped with minimal human impact,

8l. $____**Inspiration (Ip)** I value the <site name> because it motivates me to action or thought.

8m. $____**Socializing (So)** I value the <site name> because it allows me to comfortably interact with others.

Remember, the total of all your values should add up to 100.

Section 5. Mapping Values

This question allows respondents to identify locations on a map that they consider important then select the values from Section 4. Q. 8 (above) that they hold for the location. Analysis of this data will provide information on the values of places in relationship to environmental and access features of the <site name> (Brown, 2012; Clement and Cheng, 2011).

1. This map includes the area of the <site name>. We have also included boat ramps and other general reference points to help you orient to places you know. Please make a mark on the map at each place that you most value. You may place up to 20 markers. Next to each mark please put the abbreviation of the value (in red) (for paper based maps), or use the drop-down menu to select the value type (for the on-line version) that represents the most important reason you value that place. You may select different values for different locations.

Section 6. **Management Modules (see below)**

Section 7. Demographics

In this section we ask basic demographic questions that will allow the researchers to explore whether particular social or economic groups subscribe to particular values or more heavily utilize particular areas of the <site name>. The data will allow the management staff to better understand the demographic groups that respond to surveys about the <site name> as well as to better understand the groups that utilize the <site name>. Questions 19 and 20 are formatted as required for OMB PRA clearance.

Question 12. Does your household income depend on products or services related to <site name> resources?
Question 13. If yes, please describe the source of the income:
Question 14. In what year were you born?
Question 15. Are you male or female?
Question 16. What is your highest level of education?
Question 17. What is your average yearly income?
Question 18. What is your occupation?
Question 19. What is your ethnicity?
Question 20. With which racial group(s) do you most identify?

6. Management Modules

Management Module 1

Place Attachment (MM#1) (Note: Same as Section 3, Additional prompts)

This Module contains 7 statements. The statements are designed to obtain information on and assess the respondent's attachment to the site. Respondents will be asked rank their perception of each statement on five point Likert-type scales ranging from "Strongly Agree" to "Strongly Disagree" with options of "Unsure or "Don't Know" and "Neutral" (Kil, 2008).

Question 1: Mine or my family's income or livelihood depends on the <site name>.
Question 2: The tourism dollars that the <site name> attracts are essential to my community's economy.
Question 3: I identify strongly with the <site name>:
Question 4 The <site name> means a lot to me.
Question 5: Many important memories of my family are tied to the <site name>.
Question 6: The <site name> is a special place for my family.
Question 7: No other place can compare to the <site name>.
Question 8: In any development plan, it is important to consider protecting the environment of the <site name>.
Question 9: I feel a sense of pride in my heritage when I am in the <site name>.
Question 10: My community's history is strongly tied to the <site name>.
Question 7k: It is important to preserve/conserve natural and unique ecosystems like the <site name>.

Management Module 2

Changes over Time (MM#2)

This Module contains four statements. Respondents will be asked to rank their level of agreement with the statement from "Strongly Agree" to "Strongly Disagree." They will also have options of "Neutral," "Unsure" and "Don't know." Information on stakeholder attitudes or perceptions about changes in the area is important for inclusion in management plans and <site name> communications. Statements 3 and 4 are used to gauge stakeholder opinion as to the management activities within the particular site being investigated.

Statement 1: I am interested in what happens in the <site name> in the next 10-15 years.
Statement 2: I have seen an improvement in the natural environment of the <site name> since I have been living/visiting the area.
Statement 3: Since I have been living/visiting the <site name> there are more opportunities to recreate and enjoy the area.
Statement 4: Development has reduced my access to an enjoyment of the <site name>

Management Module 3

Public Access (MM#3)

Questions [1-22] are designed to obtain information on the stakeholder's perceptions as to the accessibility of the NERR/NMS amenities. Respondents will be asked rank the accessibility of

each amenity on five point Likert-type scales ranging from “More than Adequate Access” to “Little or No Access.” Because there are a number of different amenities available in each NERR and NMS site, and because the amenities vary greatly from site to site, it is important that each site select the prompts necessary to inform the <site name> of user’s needs (Cole, 2012; Loerzel et al., submitted).

Question		Question	
1	Boat Ramps	12	Mooring buoys
2	Beaches	13	Whale watching sites
3	Boat Slips	14	Diving sites
4	Public Dry Storage Berths	15	Camping sites
5	Restaurants and restaurant dockage	16	Surfing sites
6	Scenic View Points	17	Kayaking sites
7	Waterway Nature Trails (Blueways)	18	Fishing sites
8	Nature trails adjacent to water	19	Clamming areas
9	Natural Swimming Areas	20	Board sailing sites
10	Boardwalks	21	Tide pooling
11	Dune walkovers	22	Spearfishing

Management Module 4

Conditions of <site name> (MM#4) (Note: Same as Section 2, Question 6, Additional prompts)

Questions [1-12] are designed to obtain information on the stakeholder’s perceptions of the condition of the NERR/NMS amenities. This information provides a long term view of the health of the amenities as well establishes if there is a need for educating users about what assessing particular conditions. Respondents will be asked rank their perception of each condition on five point Likert-type scales ranging from “Large Increase” to “Large Decrease.” “Neutral,” “Unsure” and “Don’t know” can be selected as well. Because there are a number of different issues in each NERR and NMS site and because the issues vary greatly from site to site providing choices for prompts is necessary (Cole, 2012; Loerzel et al., submitted).

Question number	Conditions
1	Debris and trash in the water
2	Congestion at water and beach access sites
3	Natural areas and associated wildlife
4	Restaurant and other shoreline recreational opportunities
5	Natural shoreline due to development
6	Public education programs
7	Parking spaces at water and beach access sites
8	Boats
9	Hunters
10	Waterway maintenance (canals, channels, passes)
11	Safe operation of vessels
12	Vessel discharges

Management Module 5

Management Goals (MM#5)

Questions [1-13] are designed to obtain information on the stakeholder's attitudes toward the management goals of the NERR/NMS site. Respondents will be asked rank their attitude toward each management goal on five point Likert-type scales ranging from "Strongly Agree" to "Strongly Disagree." Because there are a number of different goals within each NERR and NMS site, and because the issues vary greatly from site to site, many possible prompts are needed.

Question number	Management Goals of <site name>
1	Improve water quality
2	Manage the quantity and improve the quality of stormwater runoff
3	Restore shoreline and wetland habitats.
4	Eliminate further loss of shoreline and wetland habitats
5	Restore and sustain fish stocks and other living marine resources
6	Provide increased levels of public access to natural resources.
7	Increase the resilience of coastal communities in the face of natural and human-induced disasters (such as hurricanes and rising seas)
8	Incorporate local social and cultural heritage into management of the [NERR/NMS site] resources (such as public input and community advisory boards).
9	Increase understanding of human-use patterns that influence resource sustainability (such as commercial development and/or recreation).
10	Integrate understanding of human uses with knowledge of natural processes
11	Purchase additional non-wetland areas to add to public owned lands
12	Create "fishery reserve areas" in the [NERR/NMS site] where no fishing is allowed.
13	Establish areas in the [NERR/NMS site] where motorized crafts are limited to no-wake and non-motorized crafts are encouraged to use.

Management Module 6

Place Attachment > (MM#6) (Note: Same as Section 3, Question 7, Additional prompts)

Questions 1-11 are designed to obtain information and assess the respondent's attachment to the <site name>. Respondents will be asked rank their perception of each statement on five point Likert-type scales ranging from "Strongly Agree" to "Strongly Disagree" with options of "Unsure," "Don't Know" and "Neutral" (Kil, 2008).

Question number	Attachment Agreement
1	Mine or my family's income or livelihood depends on the <site name>.
2	The tourism dollars that the <site name> attracts are essential to my community's economy.
3	I identify strongly with the <site name>:

4	The <site name> means a lot to me.
5	Many important memories of my family are tied to the <site name>.
6	The <site name> is a special place for my family.
7	No other place can compare to the <site name>.
8	In any development plan, it is important to consider protecting the environment of the <site name>.
9	I feel a sense of pride in my heritage when I am in the <site name>.
10	My community's history is strongly tied to the <site name>.
11	It is important to preserve/conserve natural and unique ecosystems like the <site name>.

Management Module 7

Knowledge (MM#7)

Questions [1-6] will help resource managers assess the baseline self-reported knowledge of managed features of the <site name> users. Questions [3-6] will assist managers in determining the reach of their communication activities.

Question numbers	Managed features
1	Policy
2	Ecology
3	History/Culture
4	Recreational Opportunities
5	Engagement Opportunities
6	Educational Opportunities

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Management Council to monitor the fisheries and determine the effects and effectiveness of the Fishery Management Plan (FMP) for U.S. West Coast Fisheries for Highly Migratory Species (HMS). Pre-trip reporting requirements are essential for effectively and efficiently assigning available observer coverage to selected HMS vessels. Data collected by observers are critical to evaluating if the objectives of the FMP are being achieved and for evaluating the impacts of potential changes in management to respond to new information or new problems in the fisheries. Vessel Monitoring System (VMS) units will facilitate enforcement of closures associated with HMS fisheries and provide timely information on associated fleet activities.

II. Method of Collection

VMS activation information is submitted electronically and pre-trip notifications are made by telephone.

III. Data

OMB Control Number: 0648–0498.

Form Number(s): None.

Type of Review: Regular submission (extension of a current information collection).

Affected Public: Business or other for-profit organizations.

Estimated Number of Respondents: 80.

Estimated Time per Response: Vessel monitoring system (VMS) activation reports, 15 minutes; pre-trip reports, 5 minutes.

Estimated Burden Hours: 60.

Estimated Total Annual Cost to Public: $480 (VMS units and reporting are paid for by NMFS).

IV. Request for Comments

Comments are invited on: (a) Whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information shall have practical utility; (b) the accuracy of the agency's estimate of the burden (including hours and cost) of the proposed collection of information; (c) ways to enhance the quality, utility, and clarity of the information to be collected; and (d) ways to minimize the burden of the collection of information on respondents, including through the use of automated collection techniques or other forms of information technology.

Comments submitted in response to this notice will be summarized and/or included in the request for OMB approval of this information collection; they also will become a matter of public record.

Dated: September 18, 2013.

Gwellnar Banks,

Management Analyst, Office of the Chief Information Officer.

[FR Doc. 2013–23018 Filed 9–20–13; 8:45 am]

BILLING CODE 3510–22–P

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

Proposed Information Collection; Comment Request; Social Values of Ecosystem Services (SolVES) in Marine Protected Areas for Management Decision-Making

AGENCY: National Oceanic and Atmospheric Administration, Commerce.

ACTION: Notice.

SUMMARY: The Department of Commerce, as part of its continuing effort to reduce paperwork and respondent burden, invites the general public and other Federal agencies to take this opportunity to comment on proposed and/or continuing information collections, as required by the Paperwork Reduction Act of 1995.

DATES: Written comments must be submitted on or before November 22, 2013.

ADDRESSES: Direct all written comments to Jennifer Jessup, Departmental Paperwork Clearance Officer, Department of Commerce, Room 6616, 14th and Constitution Avenue NW., Washington, DC 20230 (or via the Internet at *JJessup@doc.gov*).

FOR FURTHER INFORMATION CONTACT: Requests for additional information or copies of the information collection instrument and instructions should be directed to Susan Lovelace, (843) 762–8933 or *susan.lovelace@noaa.gov.*

SUPPLEMENTARY INFORMATION

I. Abstract

This request is for a new information collection to benefit National Estuarine Research Reserve (NERR) and National Marine Sanctuary (NMS) managers in the Mission-Aransas NERR and the Olympic Coast NMS.

The Coastal Zone Management Act (CZMA), 16 U.S.C. 1451 *et seq.,* authorizes the Secretary of Commerce to (1) preserve, protect, develop, and where possible, to restore or enhance, the resource of the Nation's coastal zone for this and succeeding generations, and (2) encourage coordination and cooperation with and among the appropriate Federal, State, and local agencies, and international organizations where appropriate, in collection, analysis, synthesis, and dissemination of coastal management information, research results, and technical assistance, to support State and Federal regulation of land use practices affecting the coastal and ocean resources of the United States. Additionally, the National Marine Sanctuary Act (NMSA), 16 U.S.C. 1431 *et seq.,* authorizes the Secretary of Commerce to (1) maintain the natural biological communities in the national marine sanctuaries, and to protect, and, where appropriate, restore and enhance natural habitats, population and ecological processes; (2) enhance public awareness, understanding, and appreciation, and wise and sustainable use of the of the marine environment; and the natural, historical, cultural, and archeological resources of the National Marine Sanctuary System; and (3) to support, promote, and coordinate scientific research on, and long-term monitoring of, the resources of these marine areas.

The National Ocean Service (NOS) proposes to collect socio-economic data from residents of local counties and stakeholder groups using the Mission-Aransas NERR and the Olympic Coast NMS for recreational, cultural and other reasons. Up-to-date socio-economic data is needed to support the individual NERR and NMS site's conservation and management goals, to strengthen and improve resource management decision-making, to increase capacity, and to extend education and outreach efforts.

II. Method of Collection

Respondents have a choice of completing either electronic (online) or paper forms and those respondents intercepted at the sites may provide oral question responses to the surveyor. Methods of submittal include online completion of electronic survey forms, and mail and facsimile transmission of paper forms.

III. Data

OMB Control Number: None.

Form Number: None.

Type of Review: Regular submission (request for a new information collection).

Affected Public: Individuals or households; state, local, or tribal government.

Estimated Number of Respondents: 1,415.

Estimated Time per Response: Survey completion, 20 minutes.

Estimated Total Annual Burden Hours: 472.

Estimated Total Annual Cost to Public: $0 in recordkeeping/reporting costs.

IV. Request for Comments

Comments are invited on: (a) Whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information shall have practical utility; (b) the accuracy of the agency's estimate of the burden (including hours and cost) of the proposed collection of information; (c) ways to enhance the quality, utility, and clarity of the information to be collected; and (d) ways to minimize the burden of the collection of information on respondents, including through the use of automated collection techniques or other forms of information technology.

Comments submitted in response to this notice will be summarized and/or included in the request for OMB approval of this information collection; they also will become a matter of public record.

Dated: September 17, 2013.

Gwellnar Banks,

Management Analyst, Office of the Chief Information Officer.

[FR Doc. 2013–22998 Filed 9–20–13; 8:45 am]

BILLING CODE 3510–JE–P

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

Consistency Certification for a Proposed Project in Sterling, New York; Notice of Appeal

AGENCY: National Oceanic and Atmospheric Administration (NOAA), Department of Commerce.

ACTION: Notice of Appeal

SUMMARY: This announcement provides notice that the Department of Commerce (Department) has received a ''Notice of Appeal'' filed by Mark Smolinski (Appellant) requesting that the Secretary override an objection by the New York Department of State to a consistency certification for a proposed project in Sterling, New York.

Addresses and Dates: You may submit written comments concerning this appeal or requests for a public hearing to NOAA, Office of General Counsel, Oceans and Coasts Section, Attn. Gladys Miles, 1305 East-West Highway, Room 6111, Silver Spring, MD 20910, or via email to *gcos.comments@noaa.gov*. Comments or requests for a public hearing must be sent in writing postmarked or emailed no later than October 23, 2013.

SUPPLEMENTARY INFORMATION:

I. Notice of Appeal

On August 22, 2013, the Secretary of Commerce (Secretary) received a ''Notice of Appeal'' filed by Mark Smolinski, pursuant to the Coastal Zone Management Act of 1972 (CZMA), 16 U.S.C. 1451 *et seq.,* and implementing regulations found at 15 CFR part 930, subpart H. The appeal is taken from an objection by the New York Department of State to a consistency certification for a U.S. Army Corps of Engineer permit needed for the installation of a solar panel array onto an existing dock located in Sterling, New York. The solar array would provide energy to a private residence.

Under the CZMA, the Secretary may override the Department of State's objection on grounds that the project is consistent with the objectives or purposes of the CZMA or otherwise necessary in the interest of national security. To make the determination that the proposed activity is ''consistent with the objectives or purposes of the CZMA,'' the Department must find that: (1) The proposed activity furthers the national interest as articulated in sections 302 or 303 of the CZMA, in a significant or substantial manner; (2) the adverse effects of the proposed activity do not outweigh its contribution to the national interest, when those effects are considered separately or cumulatively; and (3) no reasonable alternative is available that would permit the activity to be conducted in a manner consistent with enforceable policies of the applicable coastal management program. 15 CFR 930.121. To make the determination that the proposed activity is ''necessary in the interest of national security,'' the Secretary must find that a national defense or other national security interest would be significantly impaired if the activity is not permitted to go forward as proposed. 15 CFR 930.122.

II. Request for Public and Federal Agency Comments

We encourage the public and interested federal agencies to participate in this appeal by submitting written comments and any relevant materials supporting those comments. All comments received are a part of the public record. All personal identifying information (e.g., name, address, etc.), confidential business information, or otherwise sensitive information submitted voluntarily by the sender will be publicly accessible.

III. Public Hearing Request

You may submit a request for a public hearing using one of the methods specified in the *Addresses and Dates* section of this notice. In your request, explain why you believe a public hearing would be beneficial. If we determine that a public hearing would aid the decisionmaker, a notice announcing the date, time, and location of the public hearing will be published in the **Federal Register**. The public and federal agency comment period will also be reopened for a ten-day period following the conclusion of the public hearing to allow for additional input.

IV. Public Availability of Appeal Documents

NOAA intends to provide access to publicly available materials and related documents comprising the appeal record on the following Web site: *http://coastalmanagement.noaa.gov/consistency/fcappealdecisions.html;* and during business hours, at the NOAA, Office of General Counsel in the location specified in the *Addresses and Dates* section of this notice.

[Federal Domestic Assistance Catalog No. 11.419 Coastal Zone Management Program Assistance.]

Dated: September 18, 2013.

Jeffrey S. Dillen,

Acting Chief, Oceans & Coasts Section, NOAA Office of General Counsel.

[FR Doc. 2013–23091 Filed 9–20–13; 8:45 am]

BILLING CODE 3510–22–P

COORDINATING COUNCIL ON JUVENILE JUSTICE AND DELINQUENCY PREVENTION

[OJP (OJJDP) Docket No. 1634]

Meeting of the Coordinating Council on Juvenile Justice and Delinquency Prevention

AGENCY: Coordinating Council on Juvenile Justice and Delinquency Prevention.

ACTION: Notice of meeting.

SUMMARY: The Coordinating Council on Juvenile Justice and Delinquency Prevention (Council) announces its next meeting.

DATES: Monday, October 7, 2013, from 10:00 a.m. to 12:00 p.m.

ADDRESSES: The meeting will take place in the third floor main conference room at the U.S. Department of Justice, Office of Justice Programs, 810 7th St. NW., Washington, DC 20531.

FOR FURTHER INFORMATION CONTACT: Visit the Web site for the Coordinating