



## Competitive Research Program Call for Proposals

February 1, 2019 – January 31, 2021

Letters of Intent due September 21, 2018, 5:00pm ET

Full Proposals due October 15, 2018 at 5:00pm ET

### Research Program

Lake Champlain Sea Grant requests proposals to fund research in the Lake Champlain basin for one- or two-year projects during the next funding cycle, February 1, 2019 – January 31, 2021. Projects should be directly relevant to the goals of the [LCSG Strategic Plan \(2018-2021\)](#). Research projects within the Lake Champlain basin focused in one or more of three areas will be considered: 1) healthy coastal ecosystems; 2) resilient communities and economies; and 3) environmental literacy and workforce development. An estimated \$500,000 will be available to support 3-5 research projects over a one- or two-year funding period. Researchers may request up to \$75,000 in federal Sea Grant funds for one-year projects or \$150,000 total for two-year projects, to cover direct and indirect costs. Federal support must be matched with non-federal funds at the rate of \$1 in non-federal matching funds for every \$2 requested of federal Sea Grant funds (i.e., a 50% match). Successful proposals will have a start date of February 1, 2019 and an end date of no later than January 31, 2021. Researchers at institutions of higher education and organizations or agencies that conduct research in the Lake Champlain basin (New York and Vermont) are eligible to respond to this RFP.

### Important notes for Principal Investigators (PIs)

- Funding of all proposals is contingent upon Lake Champlain Sea Grant's allocation from NOAA in the FY2019 and FY2020 federal budgets. Modification in the number of and funding for individual proposals may be made based upon the final program budget.
- PIs must provide a strong rationale for how their proposed research will affect policy and/or management decisions and how that information will be communicated outside of academia. LCSG outreach staff will assist with these efforts.
- A Data Management and Sharing Plan is required in the full proposal. PIs should consider data management funding needs as they develop their budgets.

## Background

Lake Champlain Sea Grant is a collaborative effort between the University of Vermont and Plattsburgh State University of New York. LCSG has evolved over the years, earning promotion through NOAA's four-tiered system in recognition of its successes along the way. Now, at the second highest level with an increased federal budget as a Sea Grant Institute, the LCSG program will expand our competed research program.

Lake Champlain Sea Grant seeks research proposals that support the goals and objectives of the program, including the cross-cutting principles to cultivate partnerships and enhance diversity and inclusion while working within the framework of at least one of three focus areas: Healthy Coastal Ecosystems, Resilient Communities and Economies, and Environmental Literacy and Workforce Development. Research projects utilizing field and lab experiments, models, and socioeconomic studies should be designed to provide information to inform policy decisions and best management practices for Lake Champlain communities.

Projects must include an outreach plan for which findings will be disseminated to a broad audience, outside of academia. Lake Champlain Sea Grant Extension faculty and staff are available to assist PIs with such outreach. PIs are encouraged to contact LCSG staff as proposals are being developed to collaboratively create an outreach plan to be included in the proposal.

## Strategic Research priorities

Proposals should be relevant to at least one of the Lake Champlain Sea Grant focus areas and goals:

### Resilient Communities and Economies

Goal 1: Water resources are sustained and protected to meet emerging needs of the communities, economies, and ecosystems of the Lake Champlain basin.

Goal 2: Coastal communities and economies are resilient to changing environmental conditions

### Environmental Literacy and Workforce Development

Goal 3: An environmentally literate, engaged and diverse public is informed by lifelong formal and informal opportunities and implements innovative solutions to improve community well-being in the face of a changing Lake Champlain basin.

Goal 4: A diverse and skilled workforce is engaged and enabled to address critical local, regional, and national needs.

### Healthy Coastal Ecosystems

Goal 5: Habitat, ecosystems, and the services they provide are protected, enhanced, and/or restored.

Goal 6: Land, water, and living resources are managed by applying sound science, tools, and services to sustain ecosystems.

## Eligibility

To be considered for funding, a Letter of Intent (LOI) is **required by September 21, 2018**. For details on the LOI, see further information below (Proposal Submission Process).

Principal Investigators (PIs) must be from an institution of higher education, agency, or organization that conducts research in the Lake Champlain basin. Single investigators and multiple investigator research teams from different institutions are encouraged to apply. Lake Champlain Sea Grant encourages participation from the broad natural science and social science research community within the Lake Champlain basin and invites participation by investigators new to the Lake Champlain Sea Grant RFP process.

## Diversity, Equity, and Inclusion

The National Sea Grant College Program champions diversity, equity, and inclusion (DEI) by recruiting, retaining and preparing a diverse workforce, and proactively engaging and serving the diverse populations of coastal communities. Sea Grant is committed to building inclusive research, extension, communication, and education programs that serve people with unique backgrounds, circumstances, needs, perspectives and ways of thinking. We encourage applicants of all ages, races, ethnicities, national origins, gender identities, sexual orientations, disabilities, cultures, religions, citizenship types, marital statuses, educational levels, job classifications, veteran status types, and income, and socioeconomic status types to apply for this competitive research opportunity.

The Lake Champlain Sea Grant program encourages applicants to clearly identify how this research will have broader societal impacts on the Lake Champlain basin community including stakeholders from underrepresented or underserved communities.

## Proposal Submission Process

### Letter of Intent

A 1-2 page letter of intent (LOI) consisting of a title, a short description and an estimated budget is required. *A full proposal will **not** be accepted if an LOI is not received **by September 21, 2018**.* The LOIs will be evaluated (qualitatively) to assure compliance with the Strategic Plan, to provide early feedback to PIs, and to select appropriate reviewers for final, full proposals. The LOIs will not be reviewed and full proposals are encouraged from all PIs who submit an LOI. The LOI process is a requirement of the funding agency (NOAA).

**Project narrative – 2-page, single-spaced maximum**

1) Introduction/background/rationale

Indicate the specific problem addressed by the proposed effort and provide sufficient background information to allow a preliminary assessment of the relationship of the problem to the research questions posed in this RFP.

2) Objectives

State the objectives of the research effort; research hypotheses, if relevant, should be clearly stated.

3) General approach and methods

Readers should be able to make a preliminary determination of the appropriateness of the proposed approach, including statistical analyses, for achieving the stated objectives.

4) Anticipated benefits

Briefly explain the anticipated results and potential implications of those results in relation to Lake Champlain Sea Grant program objectives.

5) Outreach plan

Describe how the proposed research will link to policy and/or management decisions and how the results of the study will be translated for end-users outside of direct scientific peers. Investigators are strongly encouraged to contact the Lake Champlain Sea Grant office (<https://www.uvm.edu/seagrant/staff>) to discuss potential outreach approach and audiences. Sea Grant staff may contribute to projects.

**Budget estimate (not counted towards 2-page limit)**

The budget does not need to be fully vetted for the LOI, however, personnel salary, supplies, travel, and other general costs should be provided. Potential sources of non-federal matching funds should also be included.

**References (not counted towards 2-page limit)**

**Project Narrative – 10-page, single-spaced maximum**

The project narrative should include the background and relevance of your proposed project. This should provide context and the direct connection to the Lake Champlain Sea Grant Strategic Plan focus area and relevant goal(s), and the nature of the specific problem being addressed.

1) Objectives and Description

State the goals and/or hypotheses of your proposed effort and the objectives for each year of funding.

2) Methodologies

Outline the methodologies, techniques, or actions for achieving each of the project objectives. Describe the experimental designs, techniques, and analyses to be used. Include an explanation of how the data will be analyzed using appropriate statistical procedures.

3) Anticipated Benefits

Describe the outcomes of the project and implications of the anticipated results.

4) Deliverables

PIs are required to track their progress and report annually on information, products, and services rendered as a result of their work. Project deliverables include academic products (publications, presentations, graduate students supported, models), outreach products (public presentations, news stories related to the work, websites, fact sheets, maps), workshops, tools, etc. Some of these deliverables will be tracked as performance measures. Please see Appendix A and the Lake Champlain Sea Grant Strategic Plan for a list of the performance measures.

5) Outreach Plan

An essential component of Lake Champlain Sea Grant's mission is to fund research that meets the needs of many audiences whom we serve. Our mission is to develop and share science-based knowledge to benefit the environment and economies of the Lake Champlain Basin. Our audience is business, state, and local leaders and the communities they serve. To that end, we require investigators to develop an outreach plan as part of the proposal that describes how the project will engage with constituencies that may benefit from the research and describe the ways the proposed work will help solve problems and advance public understanding in the Lake Champlain basin. We strongly encourage proposals to include funding to support outreach efforts. Lake Champlain Sea Grant Extension faculty and staff are able to assist PIs with developing and implementing outreach plans. PIs are encouraged to contact relevant Lake Champlain Sea Grant Extension faculty or staff during the proposal development process.

The outreach plan should include a clear communication strategy that supports the research effort. It should:

- Describe the outputs (i.e., products) and outcomes (e.g., resulting knowledge, skills, actions, consequences) of the proposed study that will be applicable to your outreach effort.
- Describe the target non-academic end users for the products/outcomes.
- Describe the outreach mechanisms to be used to reach both academic and non-academic end users.
- Present a timeframe for developing and implementing this outreach plan.
- Describe the intended impact of these outreach efforts with particular emphasis on how the impacts align with the Lake Champlain Sea Grant focus areas and goals.

### **References (not counted toward page limit)**

Follow the Limnology and Oceanography format for the list of references. Arrange alphabetically by authors' last names.

### **Curricula Vitae**

Provide a two-page curriculum vitae for PIs and Co-PIs (co-PIs may be included in more than one proposal).

### **Reviewers and Conflicts**

Provide a list of four individuals from outside the Lake Champlain basin that are knowledgeable and competent in your field of inquiry. Include complete addresses, email, and phone number, if possible. Refer to Appendix B to ensure investigators do not have a conflict of interest with potential reviewers.

### **Budget justification and forms**

A detailed budget, though not officially vetted, is required. The final vetting process will be completed once projects are selected for funding. The 90-4 budget form is required as well as budget justification (see Appendix C). The budget justification is a detailed description of each item on the 90-4 budget form.

### **Data sharing plan**

The America COMPETES Act requires the federal government to ensure that data from federally supported research is accessible to the public in a timely manner. NOAA requires Sea Grant programs to have mechanisms in place to meet these data access requirements. As a condition of all research grants, projects funded by Lake Champlain Sea Grant must have a data management plan in place that will allow for the information collected to be freely available for public use. Specifically, NOAA requires that:

Data and information collected and/or created under NOAA grants and cooperative agreements must be made visible, accessible, and independently understandable to general users, free of charge or at minimal cost, in a timely manner (typically no later than two years after the data are collected or created), except where limited by law, regulation, policy or by security requirements. The requirement has two basic parts: (1) environmental data generated by a grant project must be made available after a reasonable period of exclusive use, and (2) the grant application must describe the plan to make the data available (Principal Investigators are expected to execute the plan).

Timely means no later than publication of a peer-reviewed article based on the data, or two years after the data are collected and verified, or two years after the original end data of the grant (not including any extension or follow-on funding), whichever is soonest.

Final pre-publication manuscripts of scholarly articles produced entirely or primarily with NOAA funding will be required to be submitted to NOAA Institutional Repository after acceptance and no later than upon publication. Such manuscripts shall be made publicly available by NOAA one year after publication by the journal.

To comply with these requirements, proposers must complete a Data Management Plan for making environmental data and results accessible and interpretable within two years of collection. Storing data on local servers or external drives without public access or noting that data will be available “upon request to the PI” are no longer sufficient options. Note you will be required to list data sets created and how to access them when reporting on your project. If funding is required for archiving data, please include this in the project budget. See Appendix D for the form.

### **NEPA Questionnaire**

A brief NEPA Questionnaire must be submitted. See Appendix E.

## **Proposal Review Process**

### **Technical Peer Review**

All proposals will be reviewed for technical merit by three external peer reviewers. PIs must provide the names of at least four possible reviewers who are located outside of the Lake Champlain basin.

### **Panel review**

A panel composed of researchers and outreach professionals from the Lake Champlain basin will convene to discuss the merits of all of the proposals and make final recommendation for funding. The panel will use the technical peer reviews in their decisions, along with an understanding of the research and outreach needs in the Lake Champlain basin. Depending on funding constraints and reviewers’ comments, Lake Champlain Sea Grant may ask PIs to revise their proposed budgets and scope of work.

## *Review Criteria*

Proposals will be reviewed by both peer reviewers and the review panel using the following criteria:

*Technical Merit (30%):* Includes novelty/originality; conceptual adequacy of hypotheses or research questions; clarity of objectives; adequacy/feasibility of methodologies; probability of success. Adequacy of the proposed budget to accomplish objectives and of the budget justification in explaining the need for resources.

*Project Relevance (30%):* Relevance includes improved understanding, assessment, use, management, conservation, or restoration of marine and coastal resources. When assessing relevance, please also consider the primary focus areas detailed in this RFP and relevance to the current Lake Champlain Sea Grant strategic plan.

*Outreach (30%):* Appropriateness and impact of the outreach component outlined. Consider the methods by which the investigators propose to disseminate results to both academic and non-academic end user groups and encourage knowledge, skills, actions and/or consequence scale impacts through extension, education, or communication activities.

*Diversity, Equity, and Inclusion (10%):* Proposal identifies how researchers will engage with stakeholders from a diversity of backgrounds, and how the research will be of benefit to underserved populations.

## **Reporting requirements**

PIs are expected to submit progress reports which include information about publications, presentations, graduate students supported, news stories related to the work, and accomplishments made throughout the year. Progress reporting occurs in May and November of each year. Complete details will be made available at least one month in advance of reporting deadlines.



Appendix A: Performance Measures

Focus Area	2018-2021 National Performance Measure	4 Year Target
Healthy Coastal Ecosystems	Number of resource managers who use ecosystem-based approaches in the management of land, water, and living resources as a result of Sea Grant activities	15
Healthy Coastal Ecosystems	Number of acres of coastal habitat protected, enhanced, or restored as a result of Sea Grant activities	28
Resilient Communities and Economies	Number of communities that adopt/ implement sustainable economic and environmental development practices and policies as a result of Sea Grant activities	10
Resilient Communities and Economies	Number of communities that adopt/ implement hazard resiliency practices to prepare for and respond to/ minimize coastal hazardous events	21
Environmental Literacy and Workforce Development	Number of people engaged in Sea Grant-supported informal education programs	1500
Cross Cutting	Number of Sea Grant tools, technologies and information services that are used by our partners/customers to improve ecosystem-based management	6
Cross Cutting	Number of peer-reviewed publications.	5

## Appendix B: Conflict of Interest Definitions

You may have a conflict if you have any of the following affiliations or relationships:

1. Your affiliations with applicant institution(s).

- Current employment at the institution as professor adjunct professor, visiting professor, or similar position. (This includes other campuses of a multi-campus institution, but a waiver may be available. If you are in a multi-campus institution, let the program director who solicited your review know.)
- Other current employment with the institution such as consulting or an advisory arrangement, or you are being considered for employment with the institution.
- Formal or informal re-employment arrangement with the institution.
- Ownership of the institution's securities or other evidences of debt.
- Current membership on a visiting committee or similar body at the institution. (This is a conflict only for proposals or applications that originate from the department, school, or facility that the visiting committee or similar body advises.)
- Any office, governing board membership, or relevant committee chairperson in the institution.

(Ordinary membership in a professional society or association is not considered an office.)

- Current enrollment as a student. (Only a conflict for proposals or applications that originate from the department or school in which one is a student.)
- Received and retained an honorarium or award from the institution within the last 12 months.

2. Your relationships with an investigator, project director, or other person who has a personal interest in the proposal or other application.

- Known family or marriage relationship. (Conflict only if the relationship is with a principal investigator or project director.)
- Business or professional partnership.
- Employment at same institution within the last 12 months.
- Past or present association as thesis advisory or thesis student.
- Your collaboration on a project or on a book, article, report, or paper within the last 48 months.

3. Your other affiliations or relationships.

- Interests of the following persons are to be treated as if they were yours: any affiliation or relationship of your spouse, of your minor child, or a relative living in your immediate household or of anyone who is legally your partner that you are aware of, that would be covered by items 1 or 2 above (except for receipt by your spouse or relative or an honorarium or award.)
- Other relationship, such as close personal friendship, that might tend to affect your judgements or be seen as doing so by a reasonable person familiar with the relationship.

## SEA GRANT BUDGET FORM 90-4

<b>GRANTEE:</b>			<b>GRANT/PROJECT NO.:</b>	
<b>PRINCIPAL INVESTIGATOR:</b>			<b>DURATION (months) :</b>	
			<b>months</b>	<b>Yr.</b>
<b>SALARIES AND WAGES:</b>		<b>man-months</b>		<b>Sea Grant</b>
		<b>No. of</b>	<b>Amount</b>	<b>Funds</b>
		<b>People</b>	<b>of Effort</b>	<b>Matching</b>
				<b>Funds</b>
1. Senior Personnel				
a. (Co) Principal Investigator:				
b. Associates (Faculty or Staff):				
Sub Total:				
2. Other Personnel				
a. Professionals:				
b. Research Associates:				
c. Res. Asst./Grad. Students:				
d. Prof. School Students:				
e. Pre-Bachelor Student(s):				
f. Secretarial-Clerical:				
g. Technicians:				
h. Other:				
<b>Total Salaries and Wages:</b>				
<b>B. FRINGE BENEFITS:</b>				
<b>Total Personnel (A and B):</b>				
<b>C. PERMANENT EQUIPMENT:</b>				
<b>D. EXPENDABLE SUPPLIES AND EQUIPMENT:</b>				
<b>E. TRAVEL:</b>				
1. Domestic				
2. International				
<b>Total Travel:</b>				
<b>F. PUBLICATION AND DOCUMENTATION COSTS:</b>				
<b>G. OTHER COSTS:</b>				
1.				
2.				
3.				
4.				
5.				
Etc.				
<b>Total Other Costs:</b>				
<b>TOTAL DIRECT COST (A through G):</b>				
<b>INDIRECT COST (On campus % of )::</b>				
<b>INDIRECT COST (Off campus % of )::</b>				
<b>Total Indirect Cost:</b>				
<b>TOTAL COSTS:</b>				

## NOAA DATA SHARING DIRECTIVE POLICY

Data and information collected and/or created under NOAA grants and cooperative agreements must be made visible, accessible, and independently understandable to general users, free of charge or at minimal cost, in a timely manner (typically no later than two years after the data are collected or created), except where limited by law, regulation, policy or by security requirements. The requirement has two basic parts: (1) environmental data generated by a grant project must be made available after a reasonable period of exclusive use, and (2) the grant application must describe the plan to make the data available (Principal Investigators are expected to execute the plan).

If your project produces environmental data, it must conform to NOAA's Data Sharing Directive for Grants, Cooperative Agreements, and Contracts. For detailed guidance, you can view the current version of the policy, including a definition of environmental data (which can include socioeconomic and model data), download any updates and access additional implementation resources at the following permanent URL (Appendix B outlines requirements):

[https://nosc.noaa.gov/EDMC/documents/Data\\_Sharing\\_Directive\\_v3.0.pdf](https://nosc.noaa.gov/EDMC/documents/Data_Sharing_Directive_v3.0.pdf).

Proposals submitted in response to this Announcement must include a Data Management Plan describing how these requirements will be satisfied. To comply with this requirement, the Principal Investigator must use the form below to explain how the data and metadata will be provided. Please complete the form, including information for all applicable datasets related to your project(s). If funding is required for data curation and archiving, please make sure that funds are budgeted in the project proposal for data management. All data generated through Sea Grant funded projects are required to be completely QA/QC'ed (Quality Assurance and Quality Control) and made publicly accessible by two years after the end date of the project. If the proposed research will not generate environmental data then a Data Management Plan will need to be stated as such: "This project will not generate any environmental data."

# Sea Grant Data Management Plan Form

## *Proposal Submission Phase*

***Title of the Proposal (required answer):***

***Name of the lead PI (required answer):***

***Contact Information (required answer):***

***Dataset Description(s) (required answer):*** *What data will the dataset(s) contain? This includes descriptive details on data types, inclusion of metadata, data format(s), collection times / date ranges, etc. What name(s), if any, will be designated to the dataset(s)?*

***Do you agree to release all data no later than 2 years after the end-date of the project? (required answer):***

***Issues (required answer):*** *Are there any legal, access, retention, etc. issues anticipated for the dataset? If yes, please explain.*

***Data Size:*** *What will be the estimated size of the dataset? Please report estimated number of MB, GB, TB, etc., collected.*

***Data Format:*** *What format will the dataset utilize? (i.e., Excel file, model code, audio/video recording, etc.)*

***Ownership (required answer):*** *Who will own the dataset, if not the lead PI's university?*

**Post-Processing:** *What post-processing, QA/QC will this dataset undergo? Who will be responsible for performing this post-processing and QA/QC to prepare the dataset for its deposition into a repository?*

**Preservation Plan (required answer):** *What data repositories will be used to host the dataset? If none, how will the data be preserved?*

**Products:** *Will any information or data products be developed from this dataset? How will the related costs be supported? Which organization(s) will be producing these products?*

**Other Comments:** *Are there any additional comments related to the data that will results from your Sea Grant-funded study?*

# Sea Grant Data Management Form

## *Project Completion Phase*

***Date Submitted (required answer):***

***Title of the Proposal (required answer):***

***Name of the lead PI (required answer):***

***Contact Information (required answer):***

***Dataset Description(s) (required answer):*** What data do the dataset(s) contain? This includes details on data type, format, collection times / date range, etc. What name(s), if any, will be designated to the dataset(s)?

***Issues:*** Are there any legal, access, retention, etc. issues existing for the dataset(s) (i.e.; IRB restrictions)?

***Data Size:*** What is the estimated size of the dataset? Please report estimated number of MB, GB, TB, etc., collected.

***Data Format:*** What format(s) do(es) the dataset(s) utilize? (i.e., Excel file, model code, audio/video recording, etc.)

***Ownership (required answer):*** Who owns the data, if not the lead PI's university?

**Post-Processing:** *What post-processing, QA/QC has this data undergone? What organizations performed this post-processing and QA/QC to prepare the data for its deposition into a repository?*

**Preservation Plan (required answer):** *What data repositories were used to host the dataset? If none, how was the data preserved? Please provide URL for any data repositories that were used to preserve this data and any necessary information needed to extract the data.*

**Keywords (required answer):** *Please provide a list of terms used to query the database.*

**Release Date (required answer):** *When will this dataset be available to the public? Reminder: the release date must be no later than 2 years after the end of the project.*

**Products (required answer):** *Have any information or data products been developed from this dataset? Which organization(s) produced these products? Please provide a location for any products that were produced as a result of this project.*

**Preferred Data and Product Citations (required answer):** *How to reference data, publications, or any other project outcomes?*

**Other Comments:** *Are there any additional comments related to the data that you produced with your Sea Grant funding?*



## Appendix E Abbreviated NOAA Environmental Compliance Questionnaire

Instructions. Answer EVERY question in the yellow square below it.

Questions are selected from the full 53-question NOAA Environmental Compliance Questionnaire available at [www.nepa.noaa.gov/questionnaire.pdf](http://www.nepa.noaa.gov/questionnaire.pdf); as such questions are not in numerical order

Project Title
Name and contact information for the person completing this form
State Sea Grant Program
1. Describe the proposed activity, including: - its purpose, objectives, and goals; -- sampling, collection, or observation procedures; - any proposed mitigation or monitoring measures; - a description of the proposed impact area, if the proposed activity involves construction, restoration, dredging, excavation, and/or fill; - a description of the equipment or structures (e.g. scientific monitoring equipment, deployment platforms, etc.) that would need to be temporarily or permanently placed in the environment.
2. List the species of plants and animals that are the subjects of the proposed activity, and describe the numbers (by species, age, sex, stock, location, etc.) to be targeted. Specify which non-native species could be introduced incidentally and how.
3. List species that would be transplanted or introduced at the site or in its immediate vicinity, and specify whether any would be non-native. Specify which non-native species could be introduced incidentally and how.
4. List hazardous substances (as defined by 29 CFR 1910.120(a)(3)) that may be released into the environment or used during the proposed activity.
5. List hazardous wastes (as defined by 40 CFR 261.3) that may be generated during the proposed activity.
6. List unique or unknown risks to human health or the environment from the proposed activity.

7. List any individuals, groups, or organizations that may disapprove of or oppose the proposed activity, and describe the circumstances of their disapproval or opposition.

8. If the proposed activity is a continuation of an ongoing project, describe any changes to the proposed activity since it was initiated, including progress toward achieving its objectives/goals.

10. Describe the proposed activity's location, including geographic coordinates, river mile markers, etc. and indicate whether it includes unique geographic areas of notable recreational, ecological, scientific, cultural, historical, scenic, or aesthetic importance (Examples include, but are not limited to: coral reefs; marine protected areas; national marine sanctuaries; essential fish habitat; habitat area of particular concern; critical habitat designated under the Endangered Species Act; park or refuge lands; wild or scenic rivers; wetlands; prime or unique farmland; sites listed on the National Register of Natural Landmarks; sites listed or eligible for the National Register of Historic Places; sites that are ecologically significant or critical areas including areas that are normally inundated by water or areas within the 100-year floodplain).

11. Would the proposed activity degrade or disturb previously undisturbed areas?

13. If there are previous or ongoing uses of the proposed activity's site, or other issues, that make it likely that contaminants may be uncovered and/or disturbed by the proposed activity, describe the previous or ongoing uses or other issues of the site, potential contaminant, and the circumstances that may uncover and/or disturb the contaminants.

17. List all other interested or affected Federal, state, and local agencies; Tribal governments, nongovernmental organizations; minority or economically disadvantaged communities; and individuals. Describe listed entities involvement, activity, or oversight regarding the proposed activity.

18. List all federal, state, or local permits, authorizations, waivers, determinations, or ongoing consultations that would be required for the proposed activity to comply with all applicable environmental laws and regulations. Provide the date the permit, authorization, waiver, or determination was obtained or would be obtained.

35. Is the target species listed as endangered, threatened, or otherwise protected species (under Federal and/or state law; e.g. Endangered Species Act and/or Marine Mammal Protection Act, etc.)?

37. List non-target species that may occur in the proposed sampling area, and specify how many of each non-targeted species are expected to be caught?

