

Please answer the following questions for your restoration project. For assistance on any of the fields, please see the Inventory Help available at neri.noaa.gov/help.
(*required field)

GENERAL INFORMATION

What is the name of this project? *

Note: Name should be a short, descriptive title that includes the specific location of the project and type of restoration being implemented.

What type of project is this? *

- Funded under the Estuary Restoration Act (ERA)
- Compensatory (required by state or federal law)
- All other restoration projects.

1. Provide a topic sentence summarizing this project. *

2. Does this project include monitoring to gauge the success of restoration efforts? *

- Yes
- No

3. Does this project's monitoring plan meet ERA Council Monitoring Standards? *

- Yes
- No

4. If monitoring data are available on the web, please provide a URL (web address).

5. What is the status of this project? * (Select One):

- Planning Stage
- Implementation Stage
- Implementation Complete
- Project Terminated

6. Provide the dates for each stage of this project as it occurs. *

Note: For projects in the planning stage, provide estimated implementation stage start date.

Actual implementation start date: _____ (MM/YYYY)
Implementation completion date: _____ (MM/YYYY)

*****Questions for ERA-funded projects only: *****

7. What is the size of the area which was/will be directly manipulated?

_____ (Acres)

8. What is the overall size of the area being monitored?

_____ (Acres)

9. How were the measurements in questions 6 & 7 obtained (e.g. aerial photography, GIS, land surveys, etc)?

10. Provide the name of project's non-federal sponsor.

11. Provide the name of the lead federal agency. Select One:

- Army Corps of Engineers (ACE)
- National Oceanic and Atmospheric Administration (NOAA)
- U.S. Department of Agriculture (USDA)
- U.S. Environmental Protection Agency (EPA)
- U.S. Fish and Wildlife Service (FWS)
- Department of Transportation (DOT)

12. Provide the date of the ERA funding agreement.

_____ (MM/YYYY)

13. Has this project qualified as an innovative technology project as defined by the Council's Strategy?

- Yes
- No

If yes, please briefly describe the innovative technology.

14. Provide the ERA project number. _____

PROJECT ABSTRACT *

Multiple horizontal lines for text entry.

CONTACT INFORMATION

Provide information for up to two primary project contacts.

NOTE: Contact information may be displayed on-line in project queries and reports. If you do not wish to share your information, please leave the field blank. If you are adding another person to the contact list, make sure they are aware that their information may be available on-line."

1. Information for Contact 1*

Form fields for Contact 1: First Name, Last Name, Position Title, Office, Address 1, Address 2, City, State/Territory/Province, Zip Code, Phone, Fax, E-mail, Agency/organization/project Web site address.

2. Information for Contact 2

Form fields for Contact 2: First Name, Last Name, Position Title, Office, Address 1, Address 2, City, State/Territory/Province, Zip Code, Phone, Fax, E-mail, Agency/organization/project Web site address.

GEOGRAPHIC LOCATION

1. Where is this project located?

State/Territory/Province: * _____
 County/Parish: * _____
 City: * _____
 Tribe: _____
 Region* (see map in Help page): _____
 Zip Code (+4 if known): _____
 USGS 8-digit HUC: _____

Latitude/Longitude (center of project site in decimal degrees to a minimum of four decimal points):

X coordinate* (longitude) _____

Y coordinate* (latitude) _____

USGS Topographic Quadrangle: _____

Congressional District: * _____

2. What method was used to obtain the latitude and longitude for the project site (e.g. GPS, Topographic map, website)? If known, please also provide the datum.

3a. Is there a GIS data layer (polygon) showing the boundaries of the area (to be) restored?

Yes No

3b. If yes and GIS contact is not listed as the primary project contact, please provide:

Contact first name _____ Contact last name _____

Contact phone number _____ Contact e-mail _____

PROJECT BENEFITS

Please provide information on this project's benefits.

1. Project Benefits* <small>(see Table 4)</small>	2. Description of benefit	3. If implemented, has this benefit been achieved?	4. Comments
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not yet known	
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not yet known	
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not yet known	
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not yet known	

HABITAT TYPES AND ACREAGE RESTORED

Please provide information on the habitat types which have been restored and/or will be restored by this project. Since a given project may restore multiple habitat types, please provide information for each habitat type restored.

Habitat types and acreage restored:

1. Habitat Type Restored* (see Table 1) ¹	2. Tidal influence of habitat type:	3. Specifically describe this habitat type (e.g. comments on tidal influence, photic/aphotic, location in estuary, etc.)	4. Estimated acreage to be restored: *	For acres already restored, indicate how many acres were:				
				5. Restored*			6. Benefited (not counted toward million acre goal)	
				Created	Re-established	Rehabilitated	Enhanced ²	Protected ²
	<input type="checkbox"/> subtidal <input type="checkbox"/> intertidal <input type="checkbox"/> supratidal/spray zone <input type="checkbox"/> not applicable							
	<input type="checkbox"/> subtidal <input type="checkbox"/> intertidal <input type="checkbox"/> supratidal/spray zone <input type="checkbox"/> not applicable							
	<input type="checkbox"/> subtidal <input type="checkbox"/> intertidal <input type="checkbox"/> supratidal/spray zone <input type="checkbox"/> not applicable							
	<input type="checkbox"/> subtidal <input type="checkbox"/> intertidal <input type="checkbox"/> supratidal/spray zone <input type="checkbox"/> not applicable							

NOTES:

¹ For projects providing fish passage, please provide acreage information for habitat actually restored (e.g. via stream channel, restructuring, placement of woody debris, best management practices, etc.), AND for entire stream area opened to fish migration (this information can be provided at the end of this section).

² Acres reported in the "Enhanced" and "Protected" categories should not duplicate acres reported in the "Restored" category. If the same project acreage has been enhanced or protected as well as restored, report those acres only in the "Restored" category.

7. What method (e.g. aerial photography, GIS, land surveys) was used to determine the number of acres reported above as created, re-established, rehabilitated, enhanced and/or protected?

***** In-Stream projects only *****

8. If this project provided fish passage, how many stream miles were opened to anadromous fish?

_____ (Miles)

9. For the stream miles reported in #8 above, please provide an estimate of the acres (based on surface area) made accessible to anadromous fish.

_____ (Acres)

RESTORATION TECHNIQUES

Please list the restoration techniques used in this project.

1. Restoration technique(s) * (see Table 2)	2. Description of Technique (e.g. materials used, plant spacing)	3. Success of this technique	4. Comments on success
		<input type="checkbox"/> Very successful <input type="checkbox"/> Somewhat successful <input type="checkbox"/> Not successful <input type="checkbox"/> Not yet known	
		<input type="checkbox"/> Very successful <input type="checkbox"/> Somewhat successful <input type="checkbox"/> Not successful <input type="checkbox"/> Not yet known	
		<input type="checkbox"/> Very successful <input type="checkbox"/> Somewhat successful <input type="checkbox"/> Not successful <input type="checkbox"/> Not yet known	
		<input type="checkbox"/> Very successful <input type="checkbox"/> Somewhat successful <input type="checkbox"/> Not successful <input type="checkbox"/> Not yet known	

MONITORING AND SUCCESS CRITERIA

Please list the parameters and success criteria that were used in monitoring this restoration project.

1. Monitoring Parameter * (see Table 3)	2. Description (e.g. methods, frequency, etc.)	3. Monitoring start date (MM/YYYY)	4. Monitoring end date (MM/YYYY)	5. Quantitative Success Criteria (e.g. water depth > x for x hours/day)	6. Have the success criteria been met?	7. Comments on success criteria
					<input type="checkbox"/> Not yet known <input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None	
					<input type="checkbox"/> Not yet known <input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None	
					<input type="checkbox"/> Not yet known <input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None	
					<input type="checkbox"/> Not yet known <input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None	

REGIONAL RESTORATION PLANS

If this project is being carried out in support of an existing regional restoration plan, please provide the following plan information:

1. Plan Name	2. Lead Organizations	3. Type of Plan (select one)	4. Date (MM/YYYY)	5. Plan URL
		_ Business/industry _ Federal _ Local government _ Multistate/regional _ Nonprofit _ State/territory/ province _ Other		
		_ Business/industry _ Federal _ Local government _ Multistate/regional _ Nonprofit _ State/territory/ province _ Other		

BUDGET INFORMATION

1. Provide the original proposed project cost estimate.

2. Of the total cost estimate, how much will go toward project monitoring?

3. List amount(s) for all applicable funding sources:

Federal		Non-Federal	
\$	Cash	\$	Cash
\$	In-kind	\$	In-kind
\$	Lands, easements, etc.	\$	Lands, easements, etc.

4. If desired, provide additional information on the project budget below (e.g., operations and maintenance costs, specifics on in-kind contributions, etc.):

*****Question for ERA-funded projects only: *****

5. If project implementation is complete, provide the total actual cost (planning and implementation only) for this project.

PARTNER INFORMATION

Add the following information for project partners:

1. Project Partner *	2. Type of Partner * (select one)	3. Partner web site	4. Additional information for partner
	<input type="checkbox"/> Federal <input type="checkbox"/> State/Territory/Province <input type="checkbox"/> Local Government <input type="checkbox"/> Tribal <input type="checkbox"/> Non-profit <input type="checkbox"/> Academic <input type="checkbox"/> Business/Industry <input type="checkbox"/> Private Citizen		
	<input type="checkbox"/> Federal <input type="checkbox"/> State/Territory/Province <input type="checkbox"/> Local Government <input type="checkbox"/> Tribal <input type="checkbox"/> Non-profit <input type="checkbox"/> Academic <input type="checkbox"/> Business/Industry <input type="checkbox"/> Private Citizen		
	<input type="checkbox"/> Federal <input type="checkbox"/> State/Territory/Province <input type="checkbox"/> Local Government <input type="checkbox"/> Tribal <input type="checkbox"/> Non-profit <input type="checkbox"/> Academic <input type="checkbox"/> Business/Industry <input type="checkbox"/> Private Citizen		
	<input type="checkbox"/> Federal <input type="checkbox"/> State/Territory/Province <input type="checkbox"/> Local Government <input type="checkbox"/> Tribal <input type="checkbox"/> Non-profit <input type="checkbox"/> Academic <input type="checkbox"/> Business/Industry <input type="checkbox"/> Private Citizen		

PROJECT PHOTOS

You may upload up to 3 pictures of your restoration project to the National Estuaries Restoration Inventory. These photos will be used in on-line project profiles that will appear on the NERI web site once your project has been approved. For each photo, please provide the following information:

1. Photo File Name	2. Photo Caption	3. Credit	4. Date of Photo (MM/YYYY)

NOTICE

Responses to this collection are required of grant recipients to support the Estuary Restoration Act. Collection of estuary habitat restoration project information will be undertaken in order to populate a restoration project inventory mandated by the Estuary Restoration Act of 2000. The inventory is intended to provide information to improve restoration methods, provide the basis for required reports to Congress, and track estuary habitat acreage restored. Estuary habitat restoration project information will be submitted by habitat restoration project managers through an interactive web site, and will be accessible to the public via Internet for data queries and project reports. Responses to this information collection are required to retain funding provided by the Estuary Restoration Act and optional for projects that are not funded through the ERA but meet project requirements for the National Estuaries Restoration Inventory. Confidentiality will not be maintained – the information will be available to the public. Public reporting burden for this collection of information is estimated to average four hours for new responses and two hours to update existing responses in the inventory, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing this burden, to the NOAA Fisheries Office of Habitat Conservation, Restoration Division, F/HC3, 1315 East West Highway, Silver Spring, MD 20910.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to 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 information collected will be reviewed for compliance with the NOAA Section 515 Guidelines established in response to the Treasury and General Government Appropriations Act, and certified before dissemination.

**National Estuaries Restoration Inventory
Table 1: Habitat Types**

Habitat Category	Habitat Type
<i>WETLAND</i>	Forested Wetland
<i>WETLAND</i>	Freshwater Marsh
<i>WETLAND</i>	Mangrove
<i>WETLAND</i>	Salt Marsh
<i>WETLAND</i>	Shrub Swamp (non-mangrove)
<i>UPLAND</i>	Beach
<i>UPLAND</i>	Dune
<i>UPLAND</i>	Maritime Forest
<i>UPLAND</i>	Rocky Shoreline
<i>UPLAND</i>	Upland
<i>SUBMERGED</i>	Coral Reef
<i>SUBMERGED</i>	Hard Bottom
<i>SUBMERGED</i>	Kelp
<i>SUBMERGED</i>	Oyster Reef/Shell bottom
<i>SUBMERGED</i>	Pond
<i>SUBMERGED</i>	Soft Bottom/Mud
<i>SUBMERGED</i>	Soft Bottom/Sand
<i>SUBMERGED</i>	Submerged Aquatic Vegetation
<i>SUBMERGED</i>	Water Column
<i>RIVERINE</i>	In-Stream
<i>RIVERINE</i>	Riparian Zone (non-wetland)

National Estuaries Restoration Inventory
Table 2: Restoration Techniques

Construction	Physical/Chemical Manipulation
native plant nursery construction reef construction: artificial materials reef construction: natural materials stream pool construction terracing	beach nourishment contaminant removal/remediation daylighting debris removal erosion control fill removal large woody debris/structure placement nutrient management placement of dredge material prescribed burn substrate modification
Fauna	Protection
bird habitat enhancement coral reattachment coral stabilization coral transplant fish hatchery construction fish passage fish exclusion devices stock enhancement disease control: fauna invasives removal: fauna oyster gardening species reintroduction (non-plant)	fencing/netting land acquisition signage water rights acquisition
Hydrological Manipulation	Vegetation
berm/dike modification (including replacement) berm/dike removal bulkhead removal culvert modification (including replacement) culvert removal dam modification (including replacement) dam removal stream channel rehabilitation/creation stream flow modification weir construction weir removal tide gate installation tide gate removal tide gate modification (including replacement) storm water/runoff controls	planting disease control: vegetation invasives removal: vegetation

**National Estuaries Restoration Inventory
Table 3: Monitoring Parameters**

<p align="center">Physical Characteristics</p> <p>Channel characteristics Hydrology Light penetration/secchi Temperature Topography/Geomorphology Turbidity Pool/riffle ratio</p>	<p align="center">Birds</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>	<p align="center">Mammals</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>
<p align="center">Water Column Characteristics</p> <p>Chlorophyll concentration in water Dissolved Oxygen Fecal coliforms Nitrogen Nutrient cycling Phosphorus Silicon pH Salinity Toxics</p>	<p align="center">Fish</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>	<p align="center">Mixed Assemblage</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>
<p align="center">Soil and Substrate Characteristics</p> <p>Bulk density Moisture levels and drainage Nitrogen (pore water) Nutrient cycling Phosphorus (pore water) Silicon Organic content pH (pore water) Salinity (pore water) Sediment texture Sedimentation rate and quality</p>	<p align="center">Invasive Species (Fauna)</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>	<p align="center">Reptiles</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>
<p align="center">Vegetation</p> <p>Abundance Composition Basal area Biomass Canopy areal extent and structure Density Diversity Edge to area ratio Herbivory/disease Litter fall Growth rate Percent cover Productivity rate Ratio of vegetation to open water Recruitment Survival Woody debris</p>	<p align="center">Invasive Species (Vegetation)</p> <p>Abundance Biomass Distribution Growth Population age composition Recruitment Size</p>	<p align="center">Other</p> <p>Debris Qualitative assessment</p>
<p align="center">Amphibians</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>	<p align="center">Invertebrates</p> <p>Abundance Biomass Density Disease Distribution Diversity Growth Population age composition Predation Recruitment Size Survival</p>	

National Estuaries Restoration Inventory
Table 4: Project Benefits

Benefits

improve/provide habitat for migratory birds
improve/provide habitat for fish/shellfish
improve/provide habitat for Threatened & Endangered species
improve/provide habitat for other wildlife (general)
wildlife corridors/benefit to nearby habitat areas
improved water quality
increased water quantity
improve/restore natural hydrology
erosion control
flood control
increase/improve recreational opportunities
community revitalization/citizen participation
compensation for injuries to natural resources