

NERI

National Estuaries Restoration Inventory



ESTUARY HABITAT RESTORATION COUNCIL

The Estuary Restoration Act (ERA) directed the establishment of a national database of restoration project information. Released in 2004, the National Estuaries Restoration Inventory (NERI) tracks estuary habitat restoration projects implemented by a variety of organizations in the United States. NERI contains information on restoration techniques, monitoring, and habitat acres restored in support of the ERA goals.

SEARCH THE INVENTORY...

- [Search by Location](#)
- [Search by Habitat Type](#)
- [Search by Restoration Technique](#)
- [Search by Project Status](#)
- [Search by Partner](#)

Search by location, habitat, technique, or partner.

Use the Advanced Search for more specific queries.

Projects by Restoration Technique

Select Category and Restoration Technique (optional) from the picklist below OR enter a keyword. Click the View button for a list of projects using that Technique

Technique Category: OR Search Restoration Technique by keyword:

Restoration Technique:

Restoration Technique:

- All Restoration
- Disease Control: Vegetation
- Invasives Removal: Vegetation
- Planting

Records 1 to 20 of 1163

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Click on a column heading to sort projects by that heading.

Project Name	State	County	Project Status	Category	Restoration Technique(s)	Data Source
Greenland Grassland	NH	Rockingham	Implementation Complete	Vegetation, Fauna	invasives removal: fauna, invasives removal: vegetation	USFWS, Partners for Fish and Wildlife
Redwood Creek Stream Channel Restoration	CA	Sonoma	Implementation Complete	Construction, Vegetation, Physical/Chemical Manipulation, Hydrological Manipulation	large woody debris/structure placement, planting, stream channel rehabilitation/creation, stream pool construction	NOAA Habitat Program

RUN STATUS REPORTS...

Status of the Inventory

Select one

Select one

- Acres Restored by Habitat and Region
- Total Acres Restored by Region
- Total Acres Restored by Habitat Type
- Acres To Be Restored by Project Status
- Number of Projects by Project Status
- Acres Created, Rehabilitated, Complete List of Estuary Rest...

Select from a list of reports to view summaries such as the estimated acreage restored in a particular region or habitat.

Total Acres Restored by Region

Region	Total
Alaska	11862.65
Caribbean	370.24
Great Lakes	20012.93
Gulf of Mexico	45125.42
Hawaii	462.4
Mid Atlantic	86373.56
North Atlantic	5943.94
Pacific	11309.45
South Atlantic	13373.06
Total Acres	194833.65

VIEW PROJECT DETAILS...

Ft. DeSoto Tidal Flow Restoration

St. Petersburg, FL

Type of Project: Restoration

Total Project Cost: \$700,000

Habitat Categories Restored: upland, wetland, submerged

Habitat Types Restored: mangrove, salt marsh, soft bottom/sand, submerged aquatic vegetation, upland

Restoration Techniques: berm/dike removal, tide gate modification (including replacement), planting

Project Contacts: NOAA Restoration Center, Pinellas County Department of Environmental Management

Project Partners: Tampa Bay Estuary Program, Florida Department of Community Affairs, NOAA Community-based Restoration Program, US Environmental Protection Agency, Gulf of Mexico Program, Southwest Florida Water Management District

Tidal flow between bays in the Fort DeSoto Park Aquatic Habitat Management Area in Pinellas County, Florida were severed during the dredging and filling activities that occurred in the late 1950s...

Summary of acreage by habitat type:

Habitat Category	Habitat Type	Description From Source	Restored			Enhanced	Protected	Total Acres Restored	Total Project Acres
			Created	Re-established	Rehabilitated				
wetland	mangrove		0	0	31	0	0	31	31
wetland	salt marsh		0	0	0	0	0	0	0
submerged	soft bottom/sand		0	0	109	0	0	109	109
submerged	submerged aquatic vegetation		0	80	840	0	0	920	920
upland	upland		0	0	0	0	0	0	0

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RESTORATION TECHNIQUES

Restoration Technique	Description	Success	Comments
berm/dike removal		Not yet known	
tide gate modification (including replacement)		Not yet known	
planting		Not yet known	

Click on a project of interest from your search results and view the summary or a detailed report.

Home | About | Add/Update a Project | Search Inventory | Maps | Help | Contact Us

Welcome to the National Estuaries Restoration Inventory

The National Estuaries Restoration Inventory (NERI) has been created to track estuary habitat restoration projects across the nation. The purpose of the inventory is to provide information on restoration projects in order to improve restoration methods, as well as to track acreage restored toward the million-acre goal of the Estuary Restoration Act.

Add/Update a Project
Search the Inventory
Maps
NOAA & the Estuary Restoration Act

ERA Council Agencies: ACOE, USFWS, NOAA, EPA, NRC

<http://neri.noaa.gov>

FOR MORE INFORMATION or to inquire about including your restoration projects, please contact: neri@noaa.gov

USE THE INTERACTIVE MAPPER...

National Estuaries Restoration Inventory RESTORATION PROJECT MAPPER

Zoom to State: Select Zoom Scale:

Zoom to Region or Coastal Area of Interest:

Legend: NERI Projects (Completed, Implementation Stage, Planning Stage, Interstates, NERR Sites, Marine Sanctuaries)

Map Tools: Select, Select by Layer, Set Units, Measure, Buffer, Clear Selected, Print

The Restoration Project Mapper allows users to explore NERI projects through an interactive map viewer. Pre-formatted regional maps are also available for viewing and download.

Project Requirements

Restoration projects in NERI must meet minimum requirements to be 1) included in the inventory, and/or 2) counted toward the acreage goal of the ERA.

Restoration projects in NERI must:

- aim to provide ecosystem benefits for estuaries and their associated ecosystems;
and
- include monitoring to gauge the success of restoration efforts

To be counted toward the ERA goal, projects must also:

- have begun implementation on or after November 7, 2000 (*when the Act was signed into law*)
- have a monitoring plan that meets ERA Council Monitoring Standards (*see description on right*)
- not be required by state or federal law (*not compensatory*)

How to Submit Projects

Projects submitted to the inventory must undergo a data quality review in order to ensure that information provided is as accurate and complete as possible and that duplicate projects are not recorded.

NERI is looking to use existing tracking systems for data imports. NERI currently imports project data from NOAA and FWS restoration programs. Additional ERA Council agencies also plan to participate.

For more information on incorporating projects from your existing database into NERI, please contact:

neri@noaa.gov

NERI Data Fields

NERI contains a number of fields required for projects to be displayed on the NERI web site. In most cases, projects submitted to the inventory must include the following fields:

- **Project Title**
- **Type of Project** (ERA-funded, Compensatory, All other projects)
- **NERI Project Requirements**
- **Implementation Start and End Dates**
- **Project Status**
- **Project Description**
- **Abstract**
- **Project Benefits**
- **Location** (Coordinates, City, County, State, Region)
- **Cost Estimates**
- **Habitat Type(s) Restored**
- **Estimated and Actual Acres Created, Reestablished, or Rehabilitated** (by habitat type)
- **Restoration Techniques**
- **Monitoring**
- **Contacts and Partners**

A number of additional fields are also available, providing the option of sharing more specific project information. For a list and description of all NERI fields, please go to:

https://neri.noaa.gov/neri/inventory_help.htm



ERA Monitoring Standards

The Estuary Restoration Act (ERA) directed NOAA to develop standard monitoring protocols for estuary habitat restoration projects. These protocols outline basic guidelines for evaluating the success of restoration activities in meeting project goals. Monitoring can provide information to explain why goals are not met, and data from these projects can help evaluate relative efficacy of different methods and improve restoration techniques and project designs for future efforts.

A monitoring plan must include information to allow for successful implementation and evaluation of the project over the long term. The following five critical elements must be in monitoring plans for projects supported by ERA funds:

1. Monitoring **parameters** must be directly linked to the goals established for the project and/or the restoration of the watershed as a whole. These must include at least one functional and one structural parameter, and be monitored until a trend can be detected.
2. Methods for **evaluating results** must be established that directly relate to the goals for the project and/or watershed.
3. To establish initial conditions for each measure included in the monitoring plan, pre-construction or pre-design (**baseline**) monitoring must occur.
4. Project sites should be compared to a **reference site** or historical data representing a reference condition in order to evaluate progress toward reaching goals.
5. Monitoring must be conducted in a timely fashion with a **frequency and length of time** appropriate to each parameter in the context of project goals and the status of the project. Five years should be considered a minimum for projects with physical goals; for other projects, a longer time horizon might be more appropriate.

For more information on ERA Monitoring Protocols, go to:

https://neri.noaa.gov/neri/era_monitoring.html