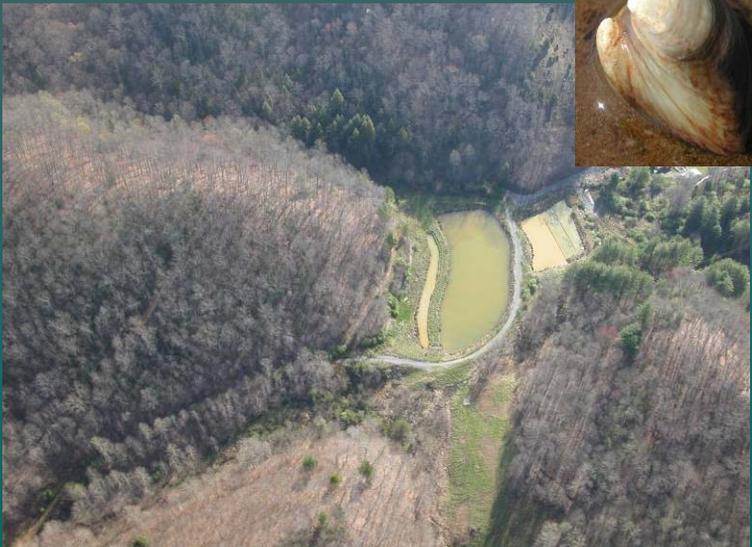


Ecosystem Restoration Gateway

Your gateway to restoration information!



www.CorpsEcoRestoration.us



US Army Corps of Engineers

Ecosystem Restoration Gateway

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ECO-PCX

Ecosystem Restoration Gateway

US Army Corps of Engineers

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Google Restoration Gateway

Communities of Practice

- USACE Corps
 - Operations & Regulatory
 - Civil Works Environment
 - Ecosystem Restoration
 - Environmental Benefits Assessment
 - Environmental Stewardship

Business Processes

- Headquarters
- Acquisition
- Administration
- Budget
- Communications & Marketing
- Environment
- Financial Management
- Human Resources
- IT/IT & Right
- Policy & Procedures
- Programs & Partnerships
- Public Sites
- Research & Development
- Safety, Security & Risk Management
- Training
- Tools/AIS

Ecosystem Restoration

- Environmental Benefits Assessment
- R&D Statements of Need

Quick Links

- Cooperative Ecosystem Stakes Users (CESU) Network and the Corps Civil Works Program

Contacts

- Environmental Clubs
- Restoration AssetBook

Discussion Forums

- Ecosystem Restoration Discussion
- Environment Network

Ecosystem Restoration Headlines

National Ecosystem Planning Center of Expertise (ECO-PCX)

U.S. Army Corps of Engineers | Privacy and Security Notice

- Home
- What's ECO-PCX
 - SOP
 - FMP
- Brochure
- Contacts
- Peer Review
 - TTR / EPR
 - Model Certification
- Other Planning CoPs
- Corps Links
- Hot Topics
- External Links
- Customer Feedback

Research

Restoration Fact Sheets

Ecosystem Restoration and Management

US Army Corps of Engineers | Engineer Research and Development Center | Environmental Laboratory | Search EL

The U.S. Army Corps of Engineers is required to evaluate and mitigate the environmental impacts of Corps water resource development activities at the ecosystem level. Ecosystems that are of particular concern to the Corps are streams, riparian corridors, wetlands, and special aquatic sites. The Corps has developed the following programs in response to the demand for new and expanding technologies to address the need for ecosystem assessment, restoration, and stewardship of high priority ecosystems:

The **Ecosystem Management and Restoration Research Program (EMRRP)** develops, verifies, and demonstrates user-oriented techniques to predict and assess impacts to ecosystems. The EMRRP documents and quantifies the ecosystem effects associated with various Corps activities. Under the EMRRP, practical engineering and resource management strategies have been developed and demonstrated to minimize adverse effects and to protect and manage important natural and cultural resources.

The **Wetlands Regulatory Assistance Program (WRAP)** provides direct scientific and engineering technical support to the Corps' Operations and Maintenance (O&M) Regulatory business practice. WRAP provides rapid, direct, scientific, technical, and engineering assistance to USACE Headquarters and to Corps Division and District requests for site- and/or problem-specific issues.

The **Wetlands Restoration Program (WRP)** was developed to advance the state of the art of wetlands science, engineering, and technology. Major research areas included critical processes, delineation and evaluation of wetlands, restoration and establishment of wetlands, and stewardship and management of wetlands.

Community of Practice

People Learning Best Practices

Ecosystem Restoration Gateway

US Army Corps of Engineers

www.CorpsEcoRestoration.us

Select a State | Select a Corps of Engineers Restoration Project | Search

Ecosystem Restoration > Rhode Island > Town Pond Restoration Project

USACE Employees Only

Town Pond Restoration Project

Restoration Project Photo Album

See the project website for additional information.

Project summary

The Town Pond Restoration Project was accomplished by excavating dredged material to restore over 23 acres of salt pond and salt marsh habitat.

Roles of partners

- USACE - Sponsor
- Rhode Island Department of Environmental Management - Sponsor
- U.S. Environmental Protection Agency - Sponsor
- Rhode Island Coastal Resources Management Council - Sponsor
- Roger Williams University - Sponsor
- Aquidneck Land Trust - Sponsor
- Rhode Island Department of Transportation - Sponsor

Print Friendly Version

- Print Friendly

Maps/GIS

- Google Maps

Documents

- Harragansett Bay Estuary Program/ACOE presentation
- Town Pond Restoration - Cover
- Town Pond Restoration - Index
- Town Pond Restoration - Introduction
- Town Pond Restoration - Environmental Assessment
- Town Pond Restoration - Finding no significant impact

Google Map

View Full Map

Corps Offices

State Links

- Rhode Island/Newport County/Congressional District RI-1

Agency Links

USACE Data

- P2

www.CorpsEcoRestoration.us

The Challenge

- **Fish Passage**
- **Estuarine**
- **Large River**
- **Freshwater Wetlands**
- **Arid Regions**
- **Large/Major Restoration Programs**
- **Floodplain Restoration**
- **Stream Restoration**
- **Invasive Species in Restoration**

Ecosystem Restoration Gateway

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Civil Works Environment Gateway
US Army Corps of Engineers

Home Visitors People Forums Learning BMPs Tools News/Events Submit Search

WELCOME TO THE CIVIL WORKS ENVIRONMENT GATEWAY

Communities of Practice

- USACE CoPs
- Operations & Regulatory
- Civil Works Environment
- Ecosystem Restoration
- Environmental Benefit Assessment
- Environmental Stewardship

Business Processes

- Acquisition
- Administration
- Budget
- Communication & Marketing
- Environment
- Financial Management
- Human Resources
- IT & E-Procurement
- Policy & Procedures
- Programs & Partnerships
- Records Mgmt
- Research & Development
- Risk, Safety & Facility Management
- Training
- Tools A/E

Civil Works Environment Notes

Welcome to the Civil Works Environment Community

- [RAD Statements of Need](#)

Quick Links

- [Cooperative Ecosystem Studies/Chairs \(CES/ECN\) Network and the Grand Civil Works Program](#)
- [Using News Feeds](#) View news stories on Corps from several sources
- [Ecosystem Restoration Policy](#)
- [Environmental Advisory Board \(EAB\)](#)
- [FWS Civil Works Technical Assessment](#)
- [Peer Review Guidance](#)

Contact

- [Environmental Chiefs](#)
- [Environment SmartWork](#)

Discussion Forums

- [Environment Network](#)

Civil Works Environment Community Headlines

Civil Works Environment

New Postings

- 01/05/10 - [How to Do a Webinar](#)
- 10/14/09 - [Webinar](#)
- 09/23/09 - [Webinar](#)

Important News Items

- 11/04/09 [Investigation Status Report - Response 17](#) November 2009
- 10/29/09 [HR 3183 Enacted](#)
- 09/02/09 [W.R.D.A. Implementation Guidance for Section 2056 of W.R.D.A. 2007 - Implications for Fish & Wildlife & Wetland Losses](#)

Upcoming Events

- February 9 - [Webinar - Restoration Techniques: Vegetative Restoration of Wetlands, Riparian Corridors and Wetlands](#)
- February 23 - [Webinar - Process Review: Agency Technical Review Process & Expectations](#)
- March 9 - [Webinar - Research Case Study: Troutless River Fish Passage](#)

Ecosystem Restoration

New Postings

- 05/01/09 - [Planning Models](#)

Important News Items

- 05/07/09 [NATC Ecosystem Services Workshop](#)
- 05/05/09 [River Project Offers New Hope For Oregon, Washington Bay](#)
- 05/04/09 [Call for Poster Abstracts - 9th USACE The National Conservancy Partnership Conference](#)

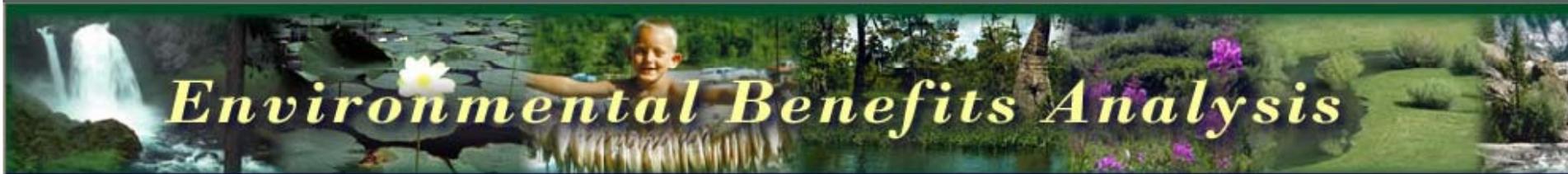
Upcoming Events

- [Submit Event](#)

People
Policies
Programs
Practices
Partnerships

www.CorpsEcoRestoration.us

Environmental Benefits Analysis



- [EBA Home](#)
- [About Us](#)
- [Research Activities](#)
- [Issues](#)
- [Approach](#)
- [Technical Focus Areas](#)
- [Bookshelf](#)
- [Toolbox](#)
- [Workshops](#)
- [EBA News](#)
- [What's New](#)

"Improvements in benefit/output evaluation techniques with emphasis on scientifically-based and peer recognized metrics for the analysis of ecosystem restoration projects and alternatives with the goal of comparing projects and alternatives on a national basis in support of the Federal investment."

Assistant Secretary of the Army for Civil Works,
Mr. John Paul Woodley, Jr.

- [Program Overview Presentation](#)

The U.S. Army Corps of Engineers is committed to spending the nation's tax dollars wisely by investing in ecosystem restoration projects that provide the greatest benefits for the investment, and focus upon our most significant natural resources. The Environmental Benefits Analysis (EBA) program supports this commitment by developing improved benefit/output evaluation techniques, models and tools with emphasis on scientifically based and peer-recognized metrics for the analysis of ecosystem restoration projects.

Our web site is designed to support the planning community by providing the latest information on [research activities](#), the [issues](#) we are addressing, the [approaches](#) we are using and the team involved in the work. The EBA [bookshelf](#) contains technical notes, reports and paper reprints, while the [toolbox](#) holds models, spreadsheet tools, presentations, training modules, etc. that result from our research. For regular updates on our progress, sign-up for [EBA News](#), a quarterly e-newsletter delivered directly to your inbox.

Ecosystem Restoration Gateway

Your gateway to restoration information!

ECO-PCX



National Ecosystem Planning Center of Expertise (ECO-PCX)

[U.S. Army Corps of Engineers](#) | [Mississippi Valley Division](#) | [Privacy and Security Notice](#)



- [Home](#)
- [What's ECO-PCX](#)
 - [SOP](#)
 - [PMP](#)
- [Brochure](#)
- [Contacts](#)
- [Peer Review](#)
- [ITR / EPR](#)
- [Model Certification](#)
- [Other Planning CoPs](#)
- [Corps Links](#)
- [Hot Topics](#)
- [External Links](#)
- [Customer Feedback](#)



Webdate: November 2004
Updated November 2007
[Comments / Whom to contact](#)



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ERDC Research



[US Army Corps of Engineers](#) | [Engineer Research and Development Center](#) | [Environmental Laboratory](#) | [Search EL](#)

The U.S. Army Corps of Engineers is required to evaluate and mitigate the environmental impacts of Corps water resource development activities at the ecosystem level. Ecosystems that are of particular concern to the Corps are streams, riparian corridors, wetlands, and special aquatic sites. The Corps has developed the following programs in response to the demand for new and expanding technologies to address the need for ecosystem assessment, restoration, and stewardship of high priority ecosystems:

The [Aquatic Nuisance Species](#) provides Corps of Engineers managers and operational personnel up-to-date information on aquatic nuisance species including basic life history and ecological information, risk assessment tools, preventative strategies, and cost-effective and environmentally sound management options.

[Aquatic Plant Control](#) research is producing information on the growth and ecological requirements of problem aquatic plants and is producing new biological, chemical, and ecological technologies for their management. Specific information on the biology and ecology of problem aquatic plants, obtained through research in the APCR, has greatly improved the efficacy and diversity of management options, while minimizing adverse effects on the environment.

The [Ecosystem Management and Restoration Research Program \(EMRRP\)](#) develops, verifies, and demonstrates user-oriented techniques to predict and assess impacts to ecosystems. The EMRRP documents and quantifies the ecosystem effects associated with various Corps activities. Under the EMRRP, practical engineering and resource management strategies have been developed and

- Aquatic Nuisance Species
- Aquatic Plant Control
- EMRRP
- Environmental Benefits Analysis
- Submerged Aquatic Vegetation
- Wetlands Regulatory Assistance Program (WRAP)
- Wetlands Restoration Program (WRP)
- Tools
- Web-based products

Environmental Stewardship

Environmental Stewardship

The US Army Corps of Engineers is the steward of nearly 12 million acres of public lands and waters. The mission of the program is to manage and conserve natural resources consistent with ecosystem management principles, while providing quality public outdoor recreation experiences to serve the needs of present and future generations. The management of natural resources by utilizing a stewardship concept ensures the conservation, preservation, or protection of Corps land and water resources.

This page is for the Environmental Stewardship Community of Practice. Environmental Stewardship is one component of the knowledge-management-based NRM Gateway. If you would like to get involved, procedures for field participation are in place. At the bottom of each topic area's cover page, the name of the identified [Content Subject Matter Expert \(SME\)](#) is listed. If you are interested in assisting with content development for that area, contact the SME directly. If no SME is listed, there is an opportunity to [volunteer for that position](#).

- [At a Glance](#)
- [Program Summary](#)
- [Policy & Procedures](#)
- [Correspondence](#)
- [Programs](#)
- [Tools](#)
- [Environment-Stewardship Budget Evaluation SysTem \(E-S BEST\)](#)
- [Product Delivery Teams](#)
- [Brochures & Fact Sheets](#)
- [Partnerships](#)
- [Environmental Operating Principles](#)
- [E-S Network](#)
- [Management](#)
- [Activities](#)
- [Plans](#)
- [News / Current Issues](#)
- [Stewardship Program Overview CD](#)
- [Good Enough to Share](#)
- [Lessons Learned](#)
- [Frequently Asked Questions](#)
- [Related Sites](#)
- [References](#)
- [Stewardship Advisory Team](#)

Multiple Frameworks

- Community Elements
(People, Forums, Learning, etc.)
- Business Processes
(Human Resources, Finance, etc.)
- Functional Area
(Restoration Fact Sheets)

Ecosystem Restoration Gateway

Your gateway to restoration information!

CoP – Top Navigation

The screenshot displays the Civil Works Environment Gateway website. At the top left is the US Army Corps of Engineers logo. The main header reads "Civil Works Environment Gateway". Below this is a navigation bar with buttons for Home, Visitors, People, Forums, Learning, BMPs, Tools, News/Events, Submit, and Search. A search box is also present. The left sidebar contains several menu categories: "Communities of Practice" with links to USACE CoPs, Operations & Regulatory, Civil Works Environment, Ecosystem Restoration, Environmental Benefit Assessment, and Environmental Stewardship; "Business Processes" with links to Readiness, Acquisition, Administration, Budget, Communication & Marketing, Environment, Financial Management, Human Resources, PEP & PEPF, Policy & Procedures, Programs & Partnerships, Related Sites, Research & Development, Safety, Security & Risk Management, Teams, and Tools A/E; and "Civil Works Environment Community Headlines" with sub-sections for "Civil Works Environment" and "Ecosystem Restoration". The main content area features a "Civil Works Environment Notes" section with a welcome message and a link to "RAD Statements of Need". Below this are "Quick Links" and "Contact" information. At the bottom, there are "Upcoming Events" and "Important News Items" for both the Civil Works Environment and Ecosystem Restoration sections.

- Visitors
- People
- Forums
- Learning
- Best Management Practices
- Tools
- News/Events
- Submit
- Search

Ecosystem Restoration Gateway

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Access to Information

Civil Works Environment Gateway

US Army Corps of Engineers

Home Visitors People Forums Learning BMPs Tools News/Events Submit

Communities of Practice

- USACE CoPs
 - Operations & Regulatory
 - Civil Works Environment
 - Ecosystem Restoration
 - Environmental Benefit Assessment
 - Environmental Stewardship

Business Processes

- Acquisition
- Administration
- Budget
- Communication & Marketing
- Environment
- Financial Management
- Human Resources
- IT & E-Eng
- Policy & Procedures
- Programs & Partnerships
- Records Mgmt
- Research & Development
- Safety, Security & Risk Management
- Training
- Tools A/E

Civil Works Environment Notes

Welcome to the Civil Works Environment Community

- [RAD Statements of Need](#)

Quick Links

- Cooperative Ecosystem Studies/Chairs (CESC) Network and the Grand Civil Works Program
- Using News Feeds View news stories on Corps from several sources
- Ecosystem Restoration PCV
- Environmental Advisory Board (EAB)
- FY06 Civil Works Technical Assessments
- Peer Review Guidance

Contact

- Environmental Chiefs
- Environment SmartWork

Discussion Forums

- Environment Network

Civil Works Environment Community Headlines

Civil Works Environment

New Postings

- 01/05/10 - [How to Do a Webinar](#)
- 10/16/09 - [Webinar](#)
- 09/21/09 - [Webinar](#)

Important News Items

- 11/04/09 [Mitigation Status Report - Response 17](#) November 2009
- 10/29/09 [HR 3183 Enacted](#)
- 09/02/09 [W.R.D.A. Implementation Guidance for Section 2026 of W.R.D.A. 2007 - Mitigation for Fish & Wildlife & Wetland Losses](#)

Upcoming Events

- February 9 - [Webinar - Restoration Techniques: Vegetative Restoration of Wetlands, Riparian Corridors and Wetlands](#)
- February 23 - [Webinar - Process Review: Agency Technical Review Process & Expectations](#)
- March 9 - [Webinar - Research Case Study: Restore River Fish Passage](#)

Ecosystem Restoration

New Postings

- 05/01/09 - [Planning Models](#)

Important News Items

- 05/07/09 [NATC Ecosystem Services Workshop](#)
- 05/05/09 [River Project Offers New Hope For Oregon, Washington Bay](#)
- 05/04/09 [Call for Poster Abstracts - 9th USACE The National Conservation Partnership Conference](#)

Upcoming Events

- Submit Event

- Visitors
- People - SMARTBOOK
- Forums
- Learning
- Best Management Practices
- Tools
- News/Events
- Submit
- Search

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Tools

Ecosystem Restoration Gateway

Home Visitors People Forums Learning BMPs Tools News/Events Submit Search

Tools

- [ACE-IT \(U.S. Army Corps of Engineers-Information Technology\)](#)

Planning Models

- Guidance
 - [EC 1105-2-407: Planning Models Improvement Program: Model Certification](#)
 - [Protocols for Certification of Planning Models](#)
 - [HQ Memorandum: Policy Guidance on Certification of Ecosystem Output Models \(Aug 2007\)](#)
- Model Review
 - [Level of review needed for ecosystem models](#) - Flow chart for use in identifying the level of model review required.
 - [Review Process](#) - Flow chart showing the steps to initiate and conduct model review.

Certified Planning Models for Ecosystem Restoration

- [IWR Planning Suite](#)
Cost Effectiveness Incremental Cost Analysis Software.
- [US Fish and Wildlife Service Published Habitat Suitability Index Models](#)
The models listed are approved for use in USACE planning studies.

Potential Planning Models for Ecosystem Restoration

Models listed on these sites are not have not necessarily been reviewed in accordance with USACE planning model review requirements. The ECO-PCX does not necessarily endorse these models.

- [Ecological Assessment Methods Database - National Biological Information Infrastructure](#)
Includes a tool to search the methods database.
- Floristic Quality Assessment
- [Hydrogeomorphic Approach for Assessing Wetlands Functions \(HGMA\)](#)
National and Regional Guidebooks for applying this method.
- [Ohio EPA Qualitative Habitat Evaluation Index \(OHEI\)](#)

Ecosystem Restoration Gateway

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Learning

Missouri Works Environment Gateway

Visitors People Forums Learning BMPs Tools News/Events Submit Search

Learning

Upcoming Webinars

- [February 9 - Restoration Techniques: Vegetative Restoration of Streams, Riparian Corridors, and Wetlands](#)
- [February 23 - Process Review: Agency Technical Review Process & Expectations](#)
- [March 9 - Research Case Study: Truckee River Fish Passage](#)
- [March 23 - Restoration Techniques: Technical Issues for Dam Fate Determinations and Project Implementation](#)
- [April 6 - Ecosystem Restoration Knowledge Center](#)
- [April 20 - Models & Analytical Tools: Habitat Evaluation & Assessment Tool](#)
- [May 18 - Research Case Study - Application of MCDA to Missouri River Restoration](#)

Archived Webinars

2009

- [Research Update: Reference Systems in EBA](#) 8 December
- [Research Update/Case Study - Large-Scale Restoration of Submerged Aquatic Vegetation in Chesapeake Bay](#) 17 November
- [EBA Overview](#) 13 October
- [Adaptive Management](#) 22 September
- [IEPR](#) 18 August
- [The Use of Professional Judgement](#) 11 August

Professional Development

- [Army's e-Learning Program](#)
- [Civilian Education System](#)
- [CP-18 - Engineers & Scientist](#)
- [CP-34 - Information Technology Management](#)
- [DTIC - Defense Technical Information center](#)
- [ER 350-1-416 HQUSACE Centrally and Locally Sponsored LTT Program](#)
- [PROSPECT Courses](#)

Online Library Resources

- [Center for Technology in Government](#)
- [Corps Libraries & Publications](#)
- [CPOL Policy and Guidance Library](#)
- [Digital Image Libraries](#)
- [Environment CoP Library](#)
- [How Do I...](#)
- [Other](#)
- [Other Government Libraries & Publications](#)
- [Report Suppliers](#)
- [U.S. Government Online Bookstore](#)
- [USACE Library Program Intranet](#)

- Webinars
- 2009 >1,000 participants
- Conference presentations
- Available 24/7

Multiple Frameworks

- Community Elements
(People, Forums, Learning, etc.)
- Business Processes
(Human Resources, Finance, etc.)
- Functional Area
(Restoration Fact Sheets)

Business Process

Business Process

- Headquarters
- Acquisition
- Administration
- Budget
- Communication & Marketing
- Environment
- Financial Management
- Human Resources
- PMP & PgMP
- Policy & Procedures
- Programs & Partnerships
- Related Sites
- Research & Development
- Safety, Security & Risk Management
- Teams
- Tools/AIS

Available to All Sub-CoPs

- Websites and programs common to all Sub-Communities
- Overview of all links via operations “HOME” level
- Tailored under each Sub-Community

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Research & Development



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Ecosystem Restoration Gateway

[Home](#) [Visitors](#) [People](#) [Forums](#) [Learning](#) [BMPs](#) [Tools](#) [News/Events](#) [Submit](#) [Search](#)

[Help](#) * [Contact Us](#)

Communities of Practice

- [USACE CoPs](#)
 - [Operations & Regulatory](#)
 - [Civil Works Environment](#)
 - [Ecosystem Restoration](#)
 - [Environmental Benefits Assessment](#)
 - [Environmental Stewardship](#)

Business Processes

- [Headquarters](#)
- [Acquisition](#)
- [Administration](#)
- [Budget](#)
- [Communication & Marketing](#)
- [Environment](#)
- [Financial Management](#)
- [Human Resources](#)
- [PMP & PgMP](#)
- [Policy & Procedures](#)
- [Programs & Partnerships](#)
- [Related Sites](#)
- [Research & Development](#)
- [Safety, Security & Risk Management](#)
- [Teams](#)
- [Tools/AIS](#)

Research & Development

- [DoD Legacy Resource Management Program](#)

R&D Statements of Need

In FY08, the Corps of Engineers Research Directorate, a part of Corps Headquarters, initiated a new process for developing R&D programs. The process starts with statements of need from Corps field offices. Those needs become requirements for research and development. The needs are ultimately prioritized by headquarters and given to the Research Directorate to tackle. Gateway pages (see links below) have been developed for four research areas to provide the capability for field offices to review existing statements of need and submit new statements of need that address field requirements that would benefit from R&D investment.

- [Civil Works Environment](#)
- [Flood Risk Management](#)
- [Navigation](#)
- [Water Resources Infrastructure](#)

Research Laboratories

- [Coastal and Hydraulics Laboratory, Vicksburg, MS](#)
- [Cold Regions Research and Engineering Laboratory, Hanover, NH](#)
- [Construction Engineering Research Laboratory, Champaign, IL](#)
- [Engineer Research and Development Center \(ERDC\)](#)
- [Geotechnical and Structures Laboratory, Vicksburg, MS](#)
- [Information Technology Laboratory, Vicksburg, MS](#)
- [Topographic Engineering Center, Alexandria, VA](#)

Multiple Frameworks

- Community Elements
(People, Forums, Learning, etc.)
- Business Processes
(Human Resources, Finance, etc.)
- Functional Area
(Restoration Fact Sheets)



US Army Corps
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Ecosystem Restoration Gateway

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Select a State

Select a Corps of Engineers Restoration Project

Search

[Ecosystem Restoration](#) > [State](#) > [Project Name](#)

USACE Employees Only

Print Friendly Version

- Print Friendly

Maps/GIS

-

Documents

- Review Plans
- PMP
- Feasibility reports
- Cost share agreement
- Monitoring reports
- O&M Plans

Partners

- Sponsors
- Stakeholders
- Interagency Oversight group
- Peer Reviewed Research

Project Name

U.S. Army Corps of Engineers
Address



Restoration Project
Photo Album

See the [project website](#) for additional information.

Project summary

Roles of partners – sponsors & stakeholders

Description of problem (why are we doing this, resource significance & benefits)

Description of project (size, goals, fit within larger programmatic level efforts (if applicable), features, habitat, mgmt measures, etc)

Project Type

Status of project

POC (Project Manager)

Google Map

[View Full Map](#)

Corps Offices

- District

State Links

- State/ county/ Congressional District
- Watershed/River

Agency Links

- Policy & Regs
- Authorities
- Other Agencies

USACE Data

- P2



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Search

[Ecosystem Restoration](#) > [North Carolina](#) > [Roanoke Island Festival Park N.C. Aquatic Habitat Restoration and Protection Project](#)

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Maps/GIS

- [Google Maps](#)

Documents

- [Festival Park Construction Plan](#)
- [Festival Park Offshore Elevations](#)
- [Festival Park Sections 1](#)
- [Festival Park Sections 2](#)
- [Festival Park Sections 3](#)
- [Festival Park Wooded Riparian Buffer Zone](#)
- [Festival Park Awards and Brief Project Discription](#)
- [Festival Park Environmental Assessment \(May 2001\)](#)
- [Festival Park Fact Sheet](#)

Roanoke Island Festival Park N.C. Aquatic Habitat Restoration and Protection Project



Restoration Project
Photo Album

Google Map

[View Full Map](#)

Corps Offices

State Links

Agency Links

USACE Data

- [P2](#)

See the [project website](#) for additional information.

Project summary

Recipient of the 2006 Chief of Engineers Environmental Honor Award as well as the 2004 Coastal America Partnership and NC Coastal Federation Pelican Awards, the project protected ~2 acres of existing coastal marsh and wooded wetlands, restored ~1 acre of shallow water area by re-establishment of marsh, sea grass and oyster habitat, and enhanced ~1 acre of estuarine habitat by development of oyster reef. Additionally, a 1,620 foot long rock breakwater, or sill, was aligned along the project's waterward edge providing further habitat protection as well as tidal exchange and passage for marine organisms through periodic breaks in the structure. This project also provided economical and environmentally sound shoreline protection for public facilities located at Festival Park. Construction was authorized under Section 206 (Aquatic Ecosystem

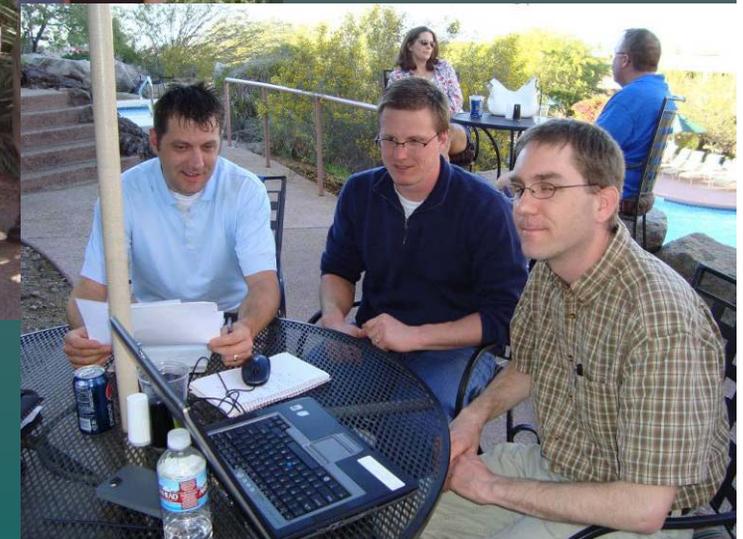
Ecosystem Restoration Gateway

Roanoke Island Festival Park N.C.
Aquatic Habitat Restoration and
Protection Project



www.CorpsEcoRestoration.us

Content Development Workshops



We are:

- Looking for help in building content***
- Recruiting SME's to Volunteer***

Content Development Workshops

- Estuarine
 - Oyster
 - Submerged Aquatic Vegetation
 - Freshwater Marsh
 - Saltwater Marsh
-
- Fish passage
 - Planning Process
 - Models

Knowledge Management Environment

Welcome Perales, Katr

Estuaries Working Group

All Sites

Knowledge Management Environment

View All Site Content

Documents

- Shared Documents
- Original Files
- Workshop Revised Files

Lists

- Calendar
- Tasks

Discussions

- Team Discussion

Sites

People and Groups

Recycle Bin

Knowledge Management Environment > Communities of Practice > Civil Works Environment > Re

Announcements

Commenting on Workshop Files 9/3/2009 10:26 AM
by Dickerson, Virginia L ERDC-EL-MS Contractor
If you are going to make comments or use track changes, please be sure to save the file with your last name included in the title.

Add new announcement

Original Files

Type	Name	Modified By
Folder	Oyster	Dickerson, Virginia L ERDC-EL-MS Contractor
Folder	Steve Treadler Stuff	Dickerson, Virginia L ERDC-EL-MS Contractor
Folder	SAV	Dickerson, Virginia L ERDC-EL-MS Contractor
Folder	R and D	Dickerson, Virginia L ERDC-EL-MS Contractor
Folder	Presentations	Dickerson, Virginia L ERDC-EL-MS Contractor
Folder	GETS	Dickerson, Virginia L ERDC-EL-MS Contractor
Folder	Freshwater Marsh	Dickerson, Virginia L ERDC-EL-MS Contractor
Folder	Cover Pages	Dickerson, Virginia L ERDC-EL-MS Contractor

Add new document

Workshop Revised Files

Type	Name	Modified By
Document	Web Mockup - freshwater marsh 8-20	Dickerson, Virginia L ERDC-EL-MS Contractor
Document	Estuary Restoration Project-Lower Columbus River-ebberts	Dickerson, Virginia L ERDC-EL-MS Contractor
Document	COP -Good Enough To Share - MRGO study fact sheet-update	Dickerson, Virginia L ERDC-EL-MS Contractor
Document	Web Mockup - estuaries and coastal-8-20	Lee, Lichu ERDC-EL-MS Contractor

Add new document

Tasks

Title	Assigned To
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There are no items to show in this view of the "Tasks" list. To create a new item, click "Add new item"

GET INVOLVED

- Become a Subject Matter Expert
- Attend a workshop
- Provide/review content
- Submit a best practice
- Attend a webinar
- Planners' project become a webpage or a best practice

Who should you contact?

- Valerie Ringold - Technical Coordinator
- Jodi Staebell - PCX
- Kathleen Perales – Gateway Project Leader
- Virginia Dickerson- Gateway Webmaster