

**The Alabama EDRP Finfish and Shellfish
Nursery Habitat Restoration Program:
A Case Study in Successful Salt Marsh
Restoration Engineering, Construction, Research,
and Monitoring**

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Alabama EDRP

Coastal Habitat Restoration Program

- ADCNR-Marine Resources Division received \$29,600,000.00 in Post-Hurricane Katrina Emergency Disaster Recovery Program funds through the NOAA and the Gulf States Marine Fisheries Commission for impacts to fisheries resources and infrastructure.
- The ADCNR-State Lands Division received a \$5,500,000 sub-grant to conduct habitat restoration.
- The SLD funding has been targeted towards finfish and shellfish nursery habitat restoration.
- Two main projects were funded by the SLD:
 - Little Bay Salt Marsh Restoration Project
 - ADCNR/Dauphin Island Sea Lab Partnership

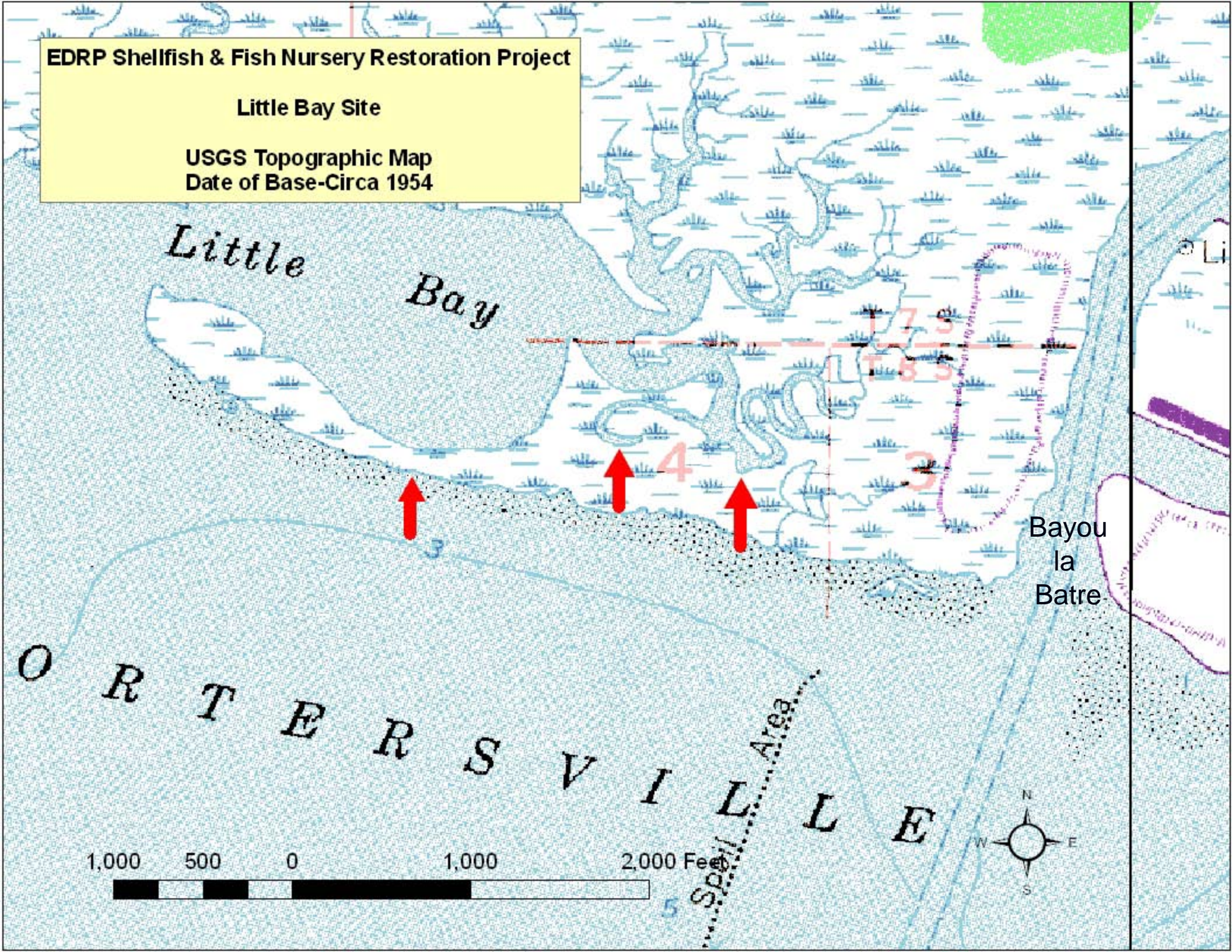
Little Bay Salt Marsh Restoration Project

- Little Bay is located along the Mississippi Sound, just west of the mouth of Bayou la Batre.
- This area has experienced severe shoreline erosion and loss of salt marsh habitat, including the breaching of Little Bay peninsula.
- ADCNR teamed with Volkert & Associates to design a project to halt the erosion, close the breach and restore ~30 acre of salt marsh habitat.

EDRP Shellfish & Fish Nursery Restoration Project

Little Bay Site

**USGS Topographic Map
Date of Base-Circa 1954**



EDRP Shellfish & Fish Nursery Restoration Project

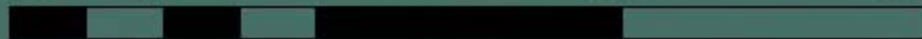
Little Bay Site

**November 2008
USGS True Color DOQQs**



Bayou
la
Batre

1,000 500 0 1,000 2,000 Feet



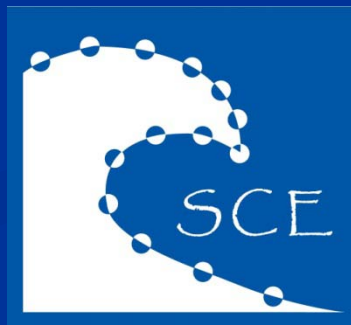
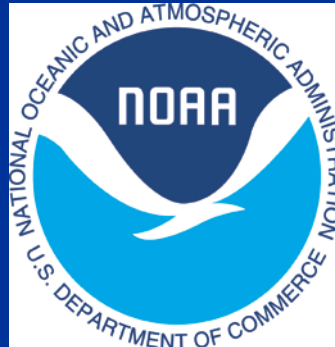
ADCNR-DISL Partnership

- In order to conduct small-scale experimental restoration projects and to properly monitor other ongoing efforts, the ADCNR initiated a partnership with the Dauphin Island Sea Lab (DISL).
- This is being led by Dr. Just Cebrian, Dr. Ken Heck and Dr. Sean Powers.
- Project includes restoration efforts at 3 sites and 3 years of pre and post-construction monitoring at 5 sites.
- This 3 year restoration research and monitoring effort is the largest, longest and best funded ever in Coastal Alabama.

Session Agenda

- Little Bay Project Breakwater: Concept and Laboratory "WAD" Testing
Dr. Scott Douglass, University of South Alabama
- Final Project Design and Project Construction
Larry Oliver & Buddy Covington, Volkert, Inc.
- DISL Partnership and the Point Aux Pins Project: Background Concept and Project Construction
Dr. Just Cebrian, Dauphin Island Sea Lab
- DISL Partnership: Monitoring Program Implementation & Results to Date
Dr. Ken Heck, Dauphin Island Sea Lab
- Questions/Panel Discussion

Acknowledgements: Funding, Partners & Contractors



Questions?

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