

NC Division of Water Resources

Water Resource Development Projects



INTRODUCTION

- Division of Water Resources Sections
 - Water Supply Planning
 - River Basin Management
 - Ground Water Management
 - Water Projects

Water Projects Section

Provides technical assistance and cost-sharing for Federal, State and Local water resources development projects

EXAMPLES

- Federal Navigation channels for major ports
- Federal and Local shore protection projects
- Multi-purpose reservoirs
- Small navigation, flood control & environmental restoration projects

OTHER EXAMPLES

- State-local projects
- State-sponsored projects
- Water resources projects funded by the North Carolina General Assembly





Old Inlet

New Inlet

Dike

Dudley's Island

EXAMPLE: FESTIVAL PARK SHORELINE RESTORATION AND PROTECTION PROJECT (BEFORE CONSTRUCTION)



EXAMPLE: FESTIVAL PARK SHORELINE RESTORATION AND PROTECTION PROJECT (AFTER CONSTRUCTION)



Water Based Recreation



Shoreline Protection and Access



November 17, 2008

Division of Water Resource

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Aquatic Weed Control Alligatorweed



GRANT CATEGORIES

Project Categories and Cost-Sharing Percentages

- General navigation, 80
- Recreational navigation, 25
- Water management, flood control and drainage, 66 2/3

Project Categories Continued:

- Stream Restoration, 66 2/3
- Beach Protection, where public access is provided, 75
- Water-based recreation, 50
- Aquatic weed control, 50

PROGRAM FUNDING

Annual Funding Amounts:

- Early years: \$500,000 to 2,000,000
- Recent years: \$12,000,000 to \$32,000,000
- FY 2008-2009 – See Handout

PROGRAM FUNDING

- State match for federal navigation projects at Wilmington Harbor and Morehead City Harbor
- Dredging Contingency Funding and AIWW Funding used to supplement Wilmington District O & M budget – augmented by local contributions

Program Funding

- Manteo (Shallowbag) Bay funds to help pay for disposal costs at Island H
- Feasibility studies for Neuse River Basin, Currituck Sound, Belhaven Harbor Breakwater Replacement, and Princeville Flood Control Dike Work
- N.C. Beach and Inlet Management

Program Funding

- Shore Protection Feasibility Studies at Bogue Banks, Surf City/North Topsail Beach, West Onslow (Topsail) Beach
- N.C. International Terminal Study
- Aquatic Plant Control
- State-Local Projects (see attached)

Program Funding

- Topsail Beach Emergency Beach Nourishment
- Dillsboro Dam Removal Project
- Also listed are two Soil & Water Conservation Projects: Deep Creek Watershed and Swan Quarter Flood Protection Dike

APPLICATION PROCESS

FEDERAL (CORPS) PROJECTS

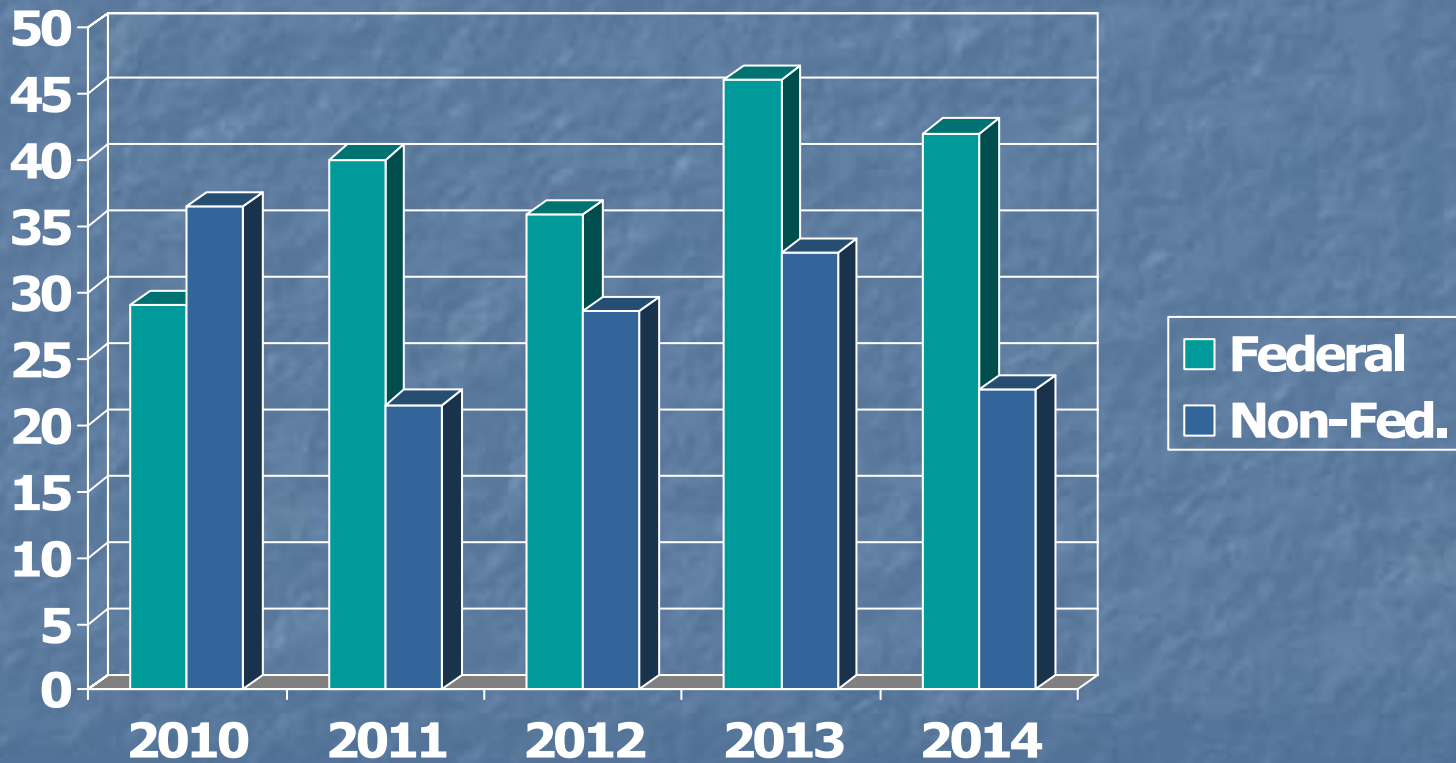
- Division of Water Resources coordinates with Wilmington District and other districts as appropriate on State-sponsored projects
- Division of Water Resources also coordinates with local governments on federal projects they sponsor

APPLICATION PROCESS

STATE-LOCAL PROJECTS

- Two cycles per year: July 1 and Jan. 1
- Review and approval
- Application package can be found online at www.ncwater.org under Financial Assistance.

PROJECTED BEACH NOURISHMENT FUNDING: in millions of \$ by FY



QUESTIONS?