

North Carolina
Department of Environment and Natural Resources
Division of Water Resources

Water Resources Development Plan

Fiscal Years 2012-2017

July 1, 2011



**Water Resources Development Plan
Fiscal Years 2012 – 2017**

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WATER RESOURCES DEVELOPMENT PLAN

I. Introduction

A. Authority and Purpose of Plan

General Statute 143-215.73A requires the Department of Environment and Natural Resources to prepare a statewide plan for water resources development projects. The plan lists projects proposed for a six-year period and is due by July 1 each year.

The purpose of the plan is to give the Governor and the State Budget Director a long-range forecast of state funding needs for water resources development. The Governor can then use the plan to select and recommend projects for funding in the biennial budget. The plan also gives the members of the Advisory Budget Commission and the General Assembly a long-range forecast of state funding requirements for water resources development projects. The plan will provide them with information to use in their consideration of the Governor's funding recommendations.

B. Organization and Project Categories

The plan has been written in three parts: 1) Project Listings; 2) Project Priorities and Funding Recommendations; and 3) Project Information. The first part contains a listing of all projects grouped under the five categories specified in part (b) of G.S. 143-215.73A. The second part shows the priority assigned to each project and whether or not it is recommended for funding, for deferral, or for elimination. The final section contains specific information on each project as required under G.S. 143-215.73A(d).

C. Distribution of the Plan

The Department of Environment and Natural Resources submits the plan to the Governor each year by July 1. The Governor also provides copies of the plan to the General Assembly along with her recommended biennial budget or her recommended revised budget for the second year of the biennium.

D. Budget Recommendations

This report includes the recommendations of the Department of Environment and Natural Resources as to which projects should be funded in the next biennial budget or in the revised budget for the second year of the biennium.

The Governor chooses which of these projects, if any, will be included in her recommended biennial budget (or in the revised budget for the second year of the biennium). The budget document transmitted to the General Assembly by the Governor identifies the water resources development projects recommended for funding.

II. Project Lists

A. Category 1 and Category 2: Water Resources Development Projects Approved by Congress and Projects for Which Congress has Appropriated Funds

Investigations	Study / Project Authorized by U.S. Congress	Project which the US Congress has appropriated funding
AIWW, Snows Cut, NC (Section 216)	Yes	No
Bald Head Island, NC	Yes	No
Bogue Banks, NC	Yes	Yes
Cape Fear River, NC above Wilmington (Sec 216)	Yes	No
Carolina Beach (Sec 216) (Carolina Beach Portion)	Yes	No
Currituck Sound, NC	Yes	Yes
John H. Kerr Dam and Reservoir, VA & NC (Sec 216)	Yes	Yes
Neuse River Basin, NC (PED)	Yes	Yes
Princeville, NC	Yes	Yes
Surf City and North Topsail Beach, NC	Yes	Yes
Tar River and Pamlico Sound, NC	Yes	Yes
Wilmington Harbor (Section 216)	Yes	No
Wilmington Harbor Improvements Feasibility	Yes	Yes

Construction	Study / Project Authorized by U.S. Congress	Project which the US Congress has appropriated funding
Brunswick Co. Beaches (Ocean Isle), NC	Yes	Yes
Brunswick Co. Beaches GRR (Oak Island / Caswell / Holden), NC	Yes	Yes
Carolina Beach and Vicinity, NC (Carolina Beach)	Yes	Yes
Carolina Beach and Vicinity, NC (Area South – Kure Beach)	Yes	Yes
Dare Co. Beaches (Bodie Island), NC	Yes	Yes
John H. Kerr Dam and Reservoir (Major Rehab)	Yes	Yes
West Onslow Beach (Topsail Island), NC	Yes	Yes
Wilmington Harbor Deepening, NC	Yes	Yes
Wrightsville Beach, NC	Yes	Yes

Operation and Maintenance	Study / Project Authorized by U.S. Congress	Project which the US Congress has appropriated funding
Atlantic Intracoastal Waterway, NC	Yes	Yes
B. Everett Jordan Dam and Lake, NC	Yes	Yes
Beaufort Harbor, NC	Yes	Yes
Far Creek, NC	Yes	Yes
Manteo (Shallowbag) Bay, NC	Yes	Yes
Morehead City Harbor, NC	Yes	Yes
Silver Lake Harbor, NC	Yes	Yes
Stumpy Point Bay, NC	Yes	Yes
Wilmington Harbor 42 Foot, NC	Yes	Yes

Continuing Authorities Program	Study / Project "Named" by US Congress	Project which the US Congress has appropriated funding
Belhaven Harbor Environmental Improvements, NC (Sec 1135)	Yes	Yes
Concord Streams Restoration, NC (Sec 206)	Yes	Yes
Manteo, Old House Channel (Sec. 204)	Yes	Yes
Wilson Bay Restoration, NC (Sec 206)	Yes	Yes

B. Category 3: Water Resources Development Projects for Which Grant Applications have been Submitted Under Part 8 of Article 21 of Chapter 143 of the General Statutes

Project	Sponsor	County
Asheville Stormwater Study	City of Asheville	Buncombe
Avery County High School Stormwater Wetland	Avery County School Board	Avery
Bald Creek Restoration (SS)	Haywood Soil and Water	Haywood
Banner Elk Elementary School SW Wetland & Stream Restoration	Town of Banner Elk	Avery
Bear Creek DD #1 Water Management	Wayne Co. Drainage District #1	Wayne
Beaufort Regional Health Water Management	Beaufort Regional Health System	Beaufort
Big Creek Restoration Phase 2 (PS)	Surry Soil and Water	Surry
Big Hungry River Dam Removal Phase 2	Wildlife Resources Commission	Henderson
Boone Fork and Watauga River Restoration (HS)	Watauga County	Watauga
Bowlin-Peak Creek Stream Restoration	New River Soil and Water	Ashe
Calico Bay Drainage	Pender County	Pender
Calypso Drainage Project	Town of Calypso	Duplin
Carolina Beach Access Phase 3	Town of Carolina Beach	New Hanover
Catawba Water Management Study	Catawba Wateree Water Mgmt. Group	Mecklenburg
Chicod Creek Snagging	Pitt County	Pitt
Cold Water Creek Restoration	Cabarrus Soil and Water	Cabarrus
Colington Harbor Entrance Channel Phase 7	Dare County	Dare
Connestee Falls Park	Transylvania County	Transylvania
Contentnea Creek Water Management	Greene County	Greene
County-wide NPS GIS Evaluation	Madison Soil and Water	Madison
Coweeta Creek Restoration (CS)	Macon Soil and Water	Macon
Cub Creek Park Bioretention Project	Town of Wilkesboro	Wilkes
Dogwood Park Phase 2	Village of Wesley Chapel	Union
East Sugarloaf Island Groin	Town of Morehead City	Carteret
Elm Grove Water Management	Bertie County	Bertie
French Broad River Restoration (GAES)	Transylvania Soil and Water	Transylvania
French Broad River Restoration (PS)	Transylvania Soil and Water	Transylvania
Goshen Swamp Water Management	Duplin Soil and Water	Duplin
Greenevers Water Management	Town of Greenevers	Duplin
Indian Grave Creek Restoration	Town of Kenansville	Duplin
Irish Creek Restoration (SS)	Burke Soil and Water	Burke
Island Creek (and tributaries) Water Management	Duplin County	Duplin
Little Fisher River Restoration	Surry Soil and Water	Surry
Little Fork Creek Restoration	State (Division of Forest Resources)	Wilkes

Livingston Creek Water Management	Columbus County	Columbus
Lumber River Snagging Phase 4	Lumber River COG	Robeson
Mars Hills Elementary Water Management	Madison Soil and Water	Madison
Mill Branch Drainage	Pender County	Pender
Mitchell River Restoration	Surry Soil and Water	Surry
Mitchell River Wetland Restoration	Surry Soil and Water	Surry
MST Park (FS and Land Acquisition) Phase 2	Town of Clayton	Johnston
Nags Head Beach Protection	Town of Nags Head	Dare
Obids Creek Restoration	New River Soil and Water	Ashe
Ocean Isle Beach Stormwater	Town of Ocean Isle Beach	Brunswick
Pine Level Drainage	Town of Pine Level	Johnston
Polk County Courthouse Water Management	Town of Columbus	Polk
Riverview Acres Navigation Phase 2	Pasquotank County	Pasquotank
Roscoe Creek Drainage	Pender County	Pender
Saddle Mountain Creek Restoration	Surry Soil and Water	Surry
Shoal Creek Restoration (MS)	Yancey Soil and Water	Yancey
Shuford Mills (Brookford) Dam removal project.	Catawba Soil and Water	Catawba
Sills Creek Drainage	Pender County	Pender
Skewarkee Trail Stormwater Management	Town of Williamston	Martin
South Hominy Creek Restoration (IS)	Buncombe Soil and Water	Buncombe
Southern H.S. Water Mgmt. Design Phase 2	Durham Soil and Water	Durham
Southern Shores Dredging Phase 3	Town of Southern Shores	Dare
Stewarts Creek Restoration	Surry Soil and Water	Surry
Stewarts Creek Water Management	Duplin County	Duplin
Trent River Navigation Phase 3	Jones County	Jones
Tuckerhole Creek Stream Restoration	Town of Wilkesboro	Wilkes
UT Kings Creek Restoration (LS)	Caldwell Soil and Water	Caldwell
Vance Dam Removal and Rose Ck. Stabilization	Mitchell Soil and Water	Mitchell
Wallace Storm Drainage Phase 2	Town of Wallace	Duplin
Walnut Street Culvert Water Management	City of Lumberton	Robeson
Wendell Stormwater Study - Lake Dr. Catchment	Town of Wendell	Wake
West Montgomery High Water Management	Montgomery County Board of Education	Montgomery
West Pine Swamp Creek Restoration	New River Soil and Water	Ashe
Western NC Nature Center Water Management	City of Asheville	Buncombe
White Oak Branch Drainage	Pender County	Pender
Woodfin Greenway Trail & Stream Enhancement	Town of Woodfin	Buncombe
Zack Circle Stormwater	City of Jacksonville	Onslow

C. Category 4: Water Resources Development Projects for Which Grant Applications have been Submitted Under Article 4 of Chapter 139 of the General Statutes

None at this time

D. Category 5: Water Resources Development Projects Planned as Federal Reservoir Projects but for Which no Federal Funds are Scheduled and for Which Local Governments are Seeking State Financial Assistance

None at this time

III. Priorities for projects planned for FY 2011-2012

A. Priority recommendations for Water Resources Development Projects approved by Congress and projects for which Congress has appropriated funds. One project deferred – Tar River and Pamlico Sound Investigation. No projects recommended for elimination in FY 2011-2012.

Priority	Name of Project	State Funds Recommended	Reason
1	Wilmington Harbor Deepening	\$600	Navigation Benefits
2	Wilmington Harbor Maintenance	200	Navigation Benefits
3	Morehead City Harbor Maintenance	100	Navigation Benefits
4	B. Everett Jordan Water Supply	200	Water Supply Benefits
5	Wilmington Harbor Improvements Feasibility Study	93	Navigation Benefits
6	Bogue Banks Shore Protection Study	87	Beach Protection Benefits
7	John H. Kerr Dam and Reservoir (Sec 216)	100	Environmental Benefits
8	Belhaven Harbor (Sec 1135)	17	Environmental Benefits
9	Manteo Old House Channel (Sec 204)	1250	Environmental Benefits
10	Concord Stream Restoration (Sec 206)	35	Environmental Benefits
11	Wilson Bay Restoration (Sec 206)	105	Environmental Benefits
12	Planning Assistance to Communities	50	Environmental Benefits
13	Neuse River Basin PED	300	Environmental Benefits
14	Currituck Sound Water Management Study	275	Environmental Benefits
15	Princeville Flood Control	200	Flood Protection Benefits
16	Surf City/N. Topsail Beach Protection	116	Beach Protection Benefits
17	West Onslow Beach (Topsail Island) Study	\$123	Beach Protection Benefits
	Sub-Total =	\$3,851	

B. Priority recommendations for Water Resources Development Projects for which Local Governments have submitted grant applications under G.S. 143-215.71 *. 33 projects recommended for deferral in FY 2011-2012. No projects recommended for elimination in FY 2011-2012.

(Amounts in Thousands)

Priority	Name of Project	State Funds Recommended	Reason
1	Aquatic Plant Control, Statewide and Lake Gaston	\$300	Environmental benefits
2	Shuford Mills (Brookford) Dam Removal	98	Environmental benefits
3	Dogwood Park Phase 2	127	High local recreational benefits
4	Carolina Beach Access Phase 3	71	High local recreational benefits
5	Big Hungry River Dam Removal Phase 2	100	Environmental benefits
6	MST Park (FS & Land Acquisition) Phase 2	193	High local recreational benefits
7	Southern H.S. Water Mgmt. Design Phase 2	90	Environmental benefits
8	Wendell Stormwater Study - Lake Dr. Catchment	5	Environmental benefits
9	Cub Creek Park Bioretention Project	40	Environmental benefits

10	Avery County High School Stormwater Wetland	175	Environmental benefits
11	South Hominy Creek Restoration (IS)	109	Environmental benefits
12	Ocean Isle Beach Stormwater	95	Environmental benefits
13	Stewarts Creek Restoration	138	Environmental benefits
14	Connestee Falls Park	167	High local recreational benefits
15	Western NC Nature Center Water Management	87	Environmental benefits
16	West Montgomery High Water Management	78	High local recreational benefits
17	Boone Fork and Watauga River Restoration (HS)	117	Environmental benefits
18	Shoal Creek Restoration (MS)	40	Environmental benefits
19	Bowlin-Peak Creek Stream Restoration	34	Environmental benefits
20	Irish Creek Restoration (SS)	18	Environmental benefits
21	Coweeta Creek Restoration (CS)	25	Environmental benefits
22	Big Creek Restoration Phase 2 (PS)	10	Environmental benefits
23	Mitchell River Wetland Restoration	56	Environmental benefits
24	French Broad River Restoration (GAES)	28	Environmental benefits
25	Tuckerhole Creek Stream Restoration	241	Environmental benefits
26	Obids Creek Restoration	240	Environmental benefits
27	UT Kings Creek Restoration (LS)	45	Environmental benefits
28	Trent River Navigation Phase 3	31	High local recreational benefits
29	Polk County Courthouse Water Management	139	Environmental benefits
30	Mitchell River Restoration	56	Environmental benefits
31	Little Fork Creek Restoration	319	Environmental benefits
32	West Pine Swamp Creek Restoration	138	Environmental benefits
33	Bald Creek Restoration (SS)	70	Environmental benefits
34	Vance Dam Removal and Rose Creek Stabilization	75	Environmental benefits
35	Little Fisher River Restoration	112	Environmental benefits
36	French Broad River Restoration (PS)	90	Environmental benefits
37	Banner Elk Elementary School SW Wetland & Stream Restoration	229	Environmental benefits
38	Catawba Water Management Study	38	Environmental benefits
39	Lumber River Snagging Phase 4	63	State paddle trail and recreational benefits
40	Saddle Mountain Creek Restoration	\$22	Environmental benefits
	Sub-Total =	\$4,109	

* Priority projects as of June 1, 2011, list is subject to change if any additional submittals are made prior to July 1, 2011 grant application deadline. Note that there is no federal cost-share associated with these projects.

C. Water Resources Development Projects For Which Grant Applications Have Been Submitted Under G.S. 139-54

No grant applications received, no projects recommended for deferral or elimination in FY 2011-2012.

D. Water Resources Development Projects Planned as Federal Reservoir Projects but for Which Local Governments are Seeking State Financial Assistance

No request received, no projects recommended for deferral or elimination in FY 2011-2012.

IV. Project Information

This section of the Water Resources Development Plan contains the information required by G.S. 143-215.73A(d) for each project listed in Section II, Project Listing. Information for each project is presented in alphabetical order by category.

A. Project Information, Categories 1 and 2, Water Resources Development Projects Approved by Congress and Water Resources Development Projects for which Congress has Appropriated Funds.

Project Name	Page No.
Atlantic Intracoastal Waterway (AIWW) Maintenance Dredging	9
AIWW, Snows Cut, New Hanover County, Section 216	9
B. Everett Jordan Lake Water Supply Storage	10
Bald Head Island Beach Renourishment	10
Beaufort Harbor Maintenance Dredging	11
Belhaven Harbor Environmental Improvements, Section 1135	11
Bogue Banks Beach Protection	12
Brunswick County Beaches – Ocean Isle Beach	12
Brunswick County Beaches – Oak Island, Caswell and Holden Beaches	13
Cape Fear River Above Wilmington, Section 216	13
Carolina Beach, New Hanover County, Section 216	14
Carolina Beach Renourishment, New Hanover County	14
Carolina Beach South (Kure Beach) Renourishment, New Hanover County	15
Concord Stream Restoration, Cabarrus County, Section 206	15
Currituck Sound Environmental Restoration	16
Dare County Beaches	16
Far Creek Maintenance Dredging, Hyde County	17
John H. Kerr Dam and Reservoir, Section 216	17
Manteo, Old House Channel, Dare County, Section 204	18
Manteo Shallowbag Bay Maintenance Dredging, Dare County	18
Morehead City Harbor Dredging, Carteret County	19
Neuse River Basin Investigation	19
Planning Assistance to North Carolina Communities	20
Princeville Flood Control Study	20
Silver Lake Harbor, Ocracoke, Hyde County	21
Stumpy Point Bay Maintenance Dredging, Dare County	21
Surf City – North Topsail Beach Restoration, Pender County	22
Tar River and Pamlico Sound Investigation	22
West Onslow Beach – Topsail Beach, Pender County	23
Wilmington Harbor Deepening, New Hanover and Brunswick Counties	23
Wilmington Harbor 42-Ft. Project, New Hanover and Brunswick Counties	24
Wilmington Harbor Improvement Feasibility Study, NC	24
Wilmington Harbor, Section 216	25
Wilson Bay Restoration, Onslow County, Section 206	25
Wrightsville Beach Renourishment, New Hanover County	26
Propose projects in the USACE – Wilmington District	27

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Project Name

ATLANTIC INTRACOASTAL WATERWAY (AIWW) MAINTENANCE DREDGING

Description

The AIWW navigation channel runs 308 miles from the Virginia state line to the South Carolina state line through Currituck, Camden, Dare, Tyrrell, Hyde, Beaufort, Pamlico, Carteret, Onslow, Pender, New Hanover, and Brunswick Counties. In the past, the Wilmington District, Corps of Engineers has had sufficient funds to keep this channel dredged to its authorized depth of -12 feet, mean low water. However, several times in the last decade, the District has not had sufficient funds to perform this dredging. In order to keep the AIWW open for both commercial and recreational boat traffic, the State of North Carolina has provided funds to the Wilmington District so that they could hire a dredging contractor to do the dredging.

Total Cost as of June 30, 2011

Federal*	State	Local	Total
\$ 20,944,000	\$ 3,230,650	\$ 733,736	\$ 24,908,386

* Federal "Total Cost" is estimate for last 10 years

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 18,148,000	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ 3,148,000	\$ -	\$ -
FY 2013	\$ 3,000,000	\$ -	\$ -
FY 2014	\$ 3,000,000	\$ -	\$ -
FY 2015	\$ 3,000,000	\$ -	\$ -
FY 2016	\$ 3,000,000	\$ -	\$ -
FY 2017	\$ 3,000,000	\$ -	\$ -

Status of Project

Ongoing

Estimated Completion Date

N/A

Project Name

ATLANTIC INTRACOASTAL WATERWAY (AIWW), SNOWS CUT (SECTION 216)

Description

Construction of Snow's Creek Cut allowed salt water from Myrtle Grove Sound to enter the Cape Fear River estuary near its midpoint. This has had far reaching effects on the physical, chemical, and biological functioning of the estuary. High salt content has manifested itself with timber die-off, which is present throughout many of the freshwater swamps above Wilmington. In addition, it has resulted in increased current and projected future costs to industries in the upper estuary due to increased monitoring and modifications of their facilities in order to cope with increasing salt loads. Reduction in the amount of introduced salts, which serve to flocculate riverine sediments in the area, could also result in substantial reduction of maintenance dredging at Military Ocean Terminal Sunny Point. The Corps has proposed a Section 216 study on the salt water intrusion problem in the Cape Fear River estuary, of which Snow's Cut has a role.

The Corps would begin a reconnaissance study in FY 2013 to determine whether it is in the Federal interest to do this study. The U.S. Congress has not approved funding for this study and the non-federal sponsor is yet to be determined.

Total Cost as of June 30, 2011

Federal	State	Local	Total
			\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 1,300,000	\$ 600,000	\$ 600,000
Construction			
O & M			

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 100,000	\$ -	\$ -
FY 2014	\$ 400,000	\$ 200,000	\$ 200,000
FY 2015	\$ 400,000	\$ 200,000	\$ 200,000
FY 2016	\$ 400,000	\$ 200,000	\$ 200,000
FY 2017	\$ -	\$ -	\$ -

Status of Project

Awaiting federal funding

Estimated Completion Date

FY 2017, if funded in FY 2013

Project Name

B. EVERETT JORDAN LAKE WATER SUPPLY

Description

B. Everett Jordan Lake is a U.S. Army Corps of Engineers' multipurpose reservoir that became operational in 1983. The water supply storage in the lake was included at the request of the State of North Carolina and was done with the understanding that the actual users of the water would repay the Corps the costs of including the water supply storage and the portion of the annual operating and maintenance costs associated with that storage. The General Statute GS 143-354(a)(11) of the State of North Carolina gives the Environmental Management Commission (EMC) the authority to allocate to local governments any water supply storage held by the State in Federal reservoirs. The estimated

safe yield of the 45,800 acre-feet of water supply storage is 100 million gallons per day. As of May 2007 the EMC has allocated 63 percent of that storage as follows: Level I allocations: Towns of Cary and Apex, Chatham County, City of Durham, Town of Morrisville, and Wake County - RTP South.; and Level II allocations: Town of Holly Springs, Orange County, and Orange Water & Sewer Authority. Both the State and the local government allocation holders are paying their proportionate shares of the interest on the cost of the water supply storage, plus their share of the O&M and major rehabilitation cost. In addition, local government allocation holders using Jordan Lake water are also paying off the principle. The initial principle amount was \$4,388,000; as of March 1, 2011 the current remaining balance to be paid is \$1,928,878

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ -	\$ 1,327,312	\$ 2,841,994	\$ 4,169,306

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ 1,178,000	\$ 674,000
O & M	\$ -	\$ 222,000	\$ 108,000

	Federal	State	Local
FY 2012	\$ -	\$ 200,000	\$ 355,000
FY 2013	\$ -	\$ 200,000	\$ 355,000
FY 2014	\$ -	\$ 250,000	\$ 18,000
FY 2015	\$ -	\$ 250,000	\$ 18,000
FY 2016	\$ -	\$ 250,000	\$ 18,000
FY 2017	\$ -	\$ 250,000	\$ 18,000

Status of Project

Ongoing

Estimated Completion Date

N/A

Project Name

BALD HEAD ISLAND BEACH RENOURISMENT, BRUNSWICK COUNTY

Description

The Village of Bald Head Island has requested that the Wilmington District, U.S. Army Corps of Engineers, perform a feasibility study on a shore protection project for the portions of its beach that are experiencing severe erosion. If directed by the U.S. Congress, the Wilmington District will perform a reconnaissance study, funded entirely with federal monies, in Fiscal Year 2013. If the reconnaissance study shows that there is a federal interest in doing this project, a cost-shared feasibility study will likely begin in Fiscal Year 2014.

Total Cost as of June 30, 2011

Federal	State	Local	Total
			\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 1,600,000	\$ 750,000	\$ 750,000
Construction			
O & M			

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 100,000	\$ -	\$ -
FY 2014	\$ 500,000	\$ 250,000	\$ 250,000
FY 2015	\$ 500,000	\$ 250,000	\$ 250,000
FY 2016	\$ 500,000	\$ 250,000	\$ 250,000
FY 2017	\$ -	\$ -	\$ -

Status of Project

On hold, awaiting action by Congress

Estimated Completion Date

Unknown at this time

Project Name

BEAUFORT HARBOR MAINTENANCE DREDGING, CARTERET COUNTY

Description

This Corps of Engineers navigation project is located at the Town of Beaufort. The project consists of five segments: (1) the 15-foot deep Bulkhead Channel from the Town to Beaufort Inlet; (2) the 15-foot deep Gallants Channel from the Town north to the Newport River; (3) the 15-foot deep Taylor's Creek Channel from the Town east to the North River and Back Sound; (4) the 12-foot deep Town Creek Channel and Basin north of Beaufort; and (5) the 14-foot Morgan Creek Channel and Basin. Carteret County, the non-Federal sponsor.

Total Cost as of June 30, 2011

Federal	State	Local	Total
			\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 1,250,000	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 250,000	\$ -	\$ -
FY 2014	\$ 250,000	\$ -	\$ -
FY 2015	\$ 250,000	\$ -	\$ -
FY 2016	\$ 250,000	\$ -	\$ -
FY 2017	\$ 250,000	\$ -	\$ -

Status of Project

Next maintenance scheduled for FY2012

Estimated Completion Date

N/A

Project Name

BELHAVEN HARBOR ENVIRONMENTAL IMPROVEMENTS (BEAUFORT COUNTY) (SECTION 1135)

Description

The proposed project will replace and upgrade the existing breakwaters that protect the harbor and waterfront of Belhaven, NC. The existing breakwaters consist of northern and southern structures, each about 1900 feet long, at the entrance to Pantego Creek, separated by a central 500 foot navigation opening. The existing structures have many openings that allow water to pass through with little abatement. In the Spring of 2009, the Wilmington District, Corps of Engineers, received \$3,250,000 in Disaster Supplemental funds to replace the existing structure with a new timber structure. This work will be done in FY 2011. The Corps is also studying the addition of submerged reefs in the lee (harbor side) of both breakwaters. These reefs would improve the estuarine habitat and also increase sheltering of the harbor from waves, and if funded, could be constructed in FY 2013

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 230,000	\$ -	\$ 130,000	\$ 360,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ 100,000	\$ 17,000	\$ 17,000
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 100,000	\$ 17,000	\$ 17,000
FY 2014	\$ -	\$ -	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

The Corps plans to complete the replacement of the timber breakwater in 2011 and, if funded, the reef construction in 2013.

Estimated Completion Date

FY 2013

Project Name

BOGUE BANKS BEACH PROTECTION, CARTERET COUNTY

Description

Bogue Banks is the barrier island in Carteret County located between Beaufort Inlet to the east and Bogue Inlet to the west. The communities of Pine Knoll Shores, Salter Path, Indian Beach, and Emerald Isle have experienced considerable erosion to the dune system and severe damage to upland structures due to recent hurricanes. Carteret County is requesting 50 percent cost-sharing of the non-Federal cost of the feasibility study for the Bogue Banks Shore Protection project that would be done by the Corps of Engineers. The Corps plans to complete the feasibility study in FY13, do preliminary engineering and design work in FY 13 and 14, and then do the nourishment of the beaches in FY 15, 16 and 17.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 2,513,000	\$ 1,249,250	\$ 1,031,000	\$ 4,793,250

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 710,000	\$ 546,000	\$ 545,000
Construction	\$ 31,150,000	\$ 8,202,000	\$ 8,202,000
O & M			

	Federal	State	Local
FY 2012	\$ 174,000	\$ 87,000	\$ 87,000
FY 2013	\$ 186,000	\$ 284,000	\$ 283,000
FY 2014	\$ 350,000	\$ 175,000	\$ 175,000
FY 2015	\$ 250,000	\$ 50,000	\$ 50,000
FY 2016	\$ 900,000	\$ 75,000	\$ 75,000
FY 2017	\$ 30,000,000	\$ 8,077,000	\$ 8,077,000

Status of Project

The Corps feasibility study should be complete in FY 2013. Preliminary engineering and design should begin in FY 2013

Estimated Completion Date

FY 2018

Project Name

BRUNSWICK COUNTY BEACHES (OCEAN ISLE), NC

Description

This Corps of Engineers project is located in the Town of Ocean Isle Beach and provides for hurricane-wave protection and beach erosion control along the oceanfront. A levee consisting of a continuous vegetated dune and high beach berm stabilized by periodic nourishment has been constructed. The dune crown width is 25 feet at elevation 20 feet above mean sea level fronted by a storm berm having a width of 50 feet at elevation 15 feet above mean sea level for a distance of 28,000 feet. This project was approved as a new construction start in fiscal year 2000's budget and was constructed in 2001. Beach was renourished in FY 2010.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 14,190,570	\$ 5,361,538	\$ 2,279,538	\$ 21,831,646

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility			
Construction	\$ 7,650,000	\$ 1,886,000	\$ 1,886,000
O & M			

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 300,000	\$ -	\$ -
FY 2014	\$ 3,500,000	\$ 943,000	\$ 943,000
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ 350,000	\$ -	\$ -
FY 2017	\$ 3,500,000	\$ 943,000	\$ 943,000

Status of Project

Next scheduled renourishment in FY 2013. No funding provided in FY 2012 President's budget, schedule subject to change.

Estimated Completion Date

FY 2051

Project Name

BRUNSWICK COUNTY BEACHES – OAK ISLAND, CASWELL AND HOLDEN BEACHES

Description

This Corps of Engineer project will protect these beaches through the construction of continuous storm berms and dunes along their ocean shorelines. The Wilmington District is investigating what the most effective dimensions of these berms and dunes should be through the preparation of a General Re-evaluation Report (GRR). They hope to complete the GRR in 2012. If that is the case, then initial construction would occur in Fiscal Year 2017, and re-nourishments would occur at three- to four-year intervals for the life of this project. The cost-sharing would initially be 65 percent Federal, 35 percent non-Federal, but then switch to 50–50 for all re-nourishments. The costs shown for construction and re-nourishments are general estimates.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 6,933,000	\$ 301,000		\$ 7,234,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility			
Construction	\$ 37,996,000	\$ 9,430,000	\$ 9,430,000
O & M			

	Federal	State	Local
FY 2012	\$ 346,000	\$ -	\$ -
FY 2013	\$ 350,000	\$ -	\$ -
FY 2014	\$ 500,000	\$ -	\$ -
FY 2015	\$ 900,000	\$ -	\$ -
FY 2016	\$ 900,000	\$ -	\$ -
FY 2017	\$ 35,000,000	\$ 9,430,000	\$ 9,430,000

Status of Project

GRR is expected to be completed in 2012; plans and specs will be done in 2014, and initial beach nourishment in FY 2017

Estimated Completion Date

FY 2067

Project Name

CAPE FEAR RIVER ABOVE WILMINGTON, SECTION 216

Description

The Wilmington District, Corps of Engineers, proposes to investigate the operation of the Federal navigation channels and locks in the Cape Fear River above Wilmington. The Corps would begin a reconnaissance study in FY 2013 to determine whether it is in the Federal interest to do this study. No state or local matching funds are required. The study will determine if the Corps should continue to operate the lock and dam in the future. The U.S. Congress has not approved funding for this study and the non-federal sponsor is yet to be determined.

Total Cost as of June 30, 2011

Federal	State	Local	Total
			\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 1,600,000	\$ 750,000	\$ 750,000
Construction			
O & M			

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 100,000	\$ -	\$ -
FY 2014	\$ 400,000	\$ 200,000	\$ 200,000
FY 2015	\$ 400,000	\$ 200,000	\$ 200,000
FY 2016	\$ 400,000	\$ 200,000	\$ 200,000
FY 2017	\$ 300,000	\$ 150,000	\$ 150,000

Status of Project

Awaiting federal funding

Estimated Completion Date

FY 2017, if funded in FY 2013

Project Name

CAROLINA BEACH, NEW HANOVER COUNTY, SECTION 216

Description

The Carolina Beach portion of this project is located in New Hanover County, NC, about 15 miles southeast of Wilmington, NC, on the peninsula which separates the lower Cape Fear River from the Atlantic Ocean. It includes a dune with a crown width of 25 feet at an elevation of 13.5 feet, with an integral beach berm with a crown width of 50 feet at elevation 10.5 feet and beach fill extending about 14,000 feet from the northern to southern limits of Carolina Beach. Local interests desire evaluation of the coastal storm damage reduction project to determine the feasibility of extending the authorization to continue to nourish this portion of the project past FY 2015.

Total Cost as of June 30, 2011

Federal	State	Local	Total
			\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 1,100,000	\$ 500,000	\$ 500,000
Construction			
O & M			

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 100,000	\$ -	\$ -
FY 2014	\$ 500,000	\$ 250,000	\$ 250,000
FY 2015	\$ 500,000	\$ 250,000	\$ 250,000
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Awaiting federal funding

Estimated Completion Date

FY 2015, if funded in FY 2013

Project Name

CAROLINA BEACH RENOURISHMENT, NEW HANOVER COUNTY

Description

This Corps of Engineers project is located in the Town of Carolina Beach, about 15 miles south of Wilmington. The project provides for restoring the dune with a base generally bordering at or near the building line. The dune dimensions are a crown width of 25 feet at an elevation of 15 feet above mean low water together with an integral beach berm with a crown width of 50 feet at elevation 12 feet. Beach fill extends about 14,000 feet from the northern to the southern limits of Carolina Beach. Along the northern 2,050 feet, the project includes a rock revetment at elevation 12 feet fronted by 130-foot wide berm at elevation 8 feet. Federal participation in the cost of beach renourishment will run for a period not to exceed 50 years from year of initial placement (1965-2015).

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 30,130,142	\$ 11,518,462	\$ 4,705,462	\$ 46,354,065

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility			
Construction	\$ 3,134,000	\$ 789,900	\$ 789,900
O & M			

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 200,000	\$ -	\$ -
FY 2014	\$ 2,934,000	\$ 789,900	\$ 789,900
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Next scheduled renourishment in FY 2013. No funding provided in FY 2012 President's budget, schedule subject to change.

Estimated Completion Date

FY 2015

Project Name

CAROLINA BEACH SOUTH, NEW HANOVER COUNTY

Description

This Corps of Engineers hurricane protection project is being constructed south of Carolina Beach in front of developments known as Wilmington Beach and Kure Beach. It provides for construction of a dune with a base generally bordering at or near the building line with a crown width of 25 feet at an elevation of 13.5 feet above mean low water and a beach berm 50 feet wide at elevation 9.0 feet above mean low water, extending 18,000 feet from the southern limits of Carolina Beach. Federal participation in the cost of beach nourishment will not exceed 50 years from year of initial placement, which was April of 1998. The Town of Kure Beach is the non-Federal sponsor of this project.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 19,496,140	\$ 7,280,461	\$ 3,217,461	\$ 29,994,062

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility			
Construction	\$ 2,450,000	\$ 606,000	\$ 606,000
O & M			

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 200,000	\$ -	\$ -
FY 2014	\$ 2,250,000	\$ 606,000	\$ 606,000
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Next scheduled renourishment in FY 2013. No funding provided in FY 2012 President's budget, schedule subject to change.

Estimated Completion Date

FY 2047

Project Name

CONCORD STREAM RESTORATION (SECTION 206), CABARRUS COUNTY

Description

Restoration and rehabilitation are proposed for four stream segments in Concord: Three Mile Branch (approximately 8,000 feet), Afton Run (5,800 feet), Stricker Branch (approximately 5,500 feet), and Academy Center Branch (4,000 feet). The watersheds of the four streams are experiencing rapid residential and commercial development that has led to a variety of negative impacts on the subject streams, including slope failures, bank erosion, high in-stream sediment loadings, and loss of vegetated riparian buffers. The project would consist of stream channel reconstruction where feasible, restoration of riparian buffers, construction of natural marsh catchments, and purchase of existing wildlife corridors. In addition, aquatic habitat will be restored through the installation of in-stream habitat improvement structures. The City of Concord is the non-federal sponsor.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 322,000	\$ 140,000	\$ 140,000	\$ 602,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ 3,014,000	\$ 59,000	\$ 59,000
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ 125,000	\$ 35,000	\$ 35,000
FY 2013	\$ 2,785,000	\$ 24,000	\$ 24,000
FY 2014	\$ 104,000	\$ -	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Construction began in FY 2011

Estimated Completion Date

FY 2014

Project Name

CURRITUCK SOUND ENVIRONMENTAL RESTORATION

Description

Currituck Sound is a 153 square mile brackish water estuary separated from the Atlantic Ocean by the Outer Banks. A recent increase in salinity levels has caused a severe decline in many freshwater fisheries (largemouth bass, black crappie, and bluegill). Also, there has been a significant loss of submerged aquatic vegetation. The Corps, in partnership with the State of North Carolina has begun an investigation to determine the specific causes of the decline in species mentioned above and the necessary actions to restore the Sound. If the study finds a feasible solution, implementation would begin in FY 14.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 1,366,000	\$ 1,151,000	\$ -	\$ 2,517,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 283,000	\$ 499,000	\$ -
Construction	\$ 20,750,000	\$ 11,034,000	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ 400,000	\$ 400,000	\$ -
FY 2013	\$ 183,000	\$ 183,000	\$ -
FY 2014	\$ 450,000	\$ 150,000	\$ -
FY 2015	\$ 10,000,000	\$ 5,400,000	\$ -
FY 2016	\$ 10,000,000	\$ 5,400,000	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Feasibility Study is on-going

Estimated Completion Date

FY 2016

Project Name

DARE COUNTY BEACHES

Description

The Corps of Engineers has completed a detailed feasibility study of a 20-mile long section of beach from the northern limits of Dare County to just south of Nags Head. The area, which is largely developed, has experienced erosion and damages as a result of recent storms and hurricanes. The study has located sand sources that could be used for beach nourishment. The Corps recommends that the initial nourishment be done on approximately 13.5 miles of beach in three phases over a three-year period. The design cost-sharing agreement between Dare County and the Corps of Engineers was signed in July 2001. The project cooperation agreement was executed in September 2004. The lack of Federal funding has delayed the start of the project. Project is currently on hold.

Total Cost as of March 31, 2010

Federal	State	Local	Total
\$ 4,169,000	\$ 242,000	\$ 81,000	\$ 4,492,000

Estimated costs from 07/01/2010 through 06/30/2016

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ -	\$ -	\$ -
FY 2014	\$ -	\$ -	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Preliminary engineering and design is on hold indefinitely

Estimated Completion Date

N/A

Project Name

FAR CREEK MAINTENANCE DREDGING, HYDE COUNTY

Description

This project involves the maintenance dredging of the navigation channel in Far Creek, which runs from the village of Engelhard to Pamlico Sound. The channel is used by commercial fishing boats that dock in the basin at Engelhard. The channel is 12 feet deep and 100 feet wide. The non-Federal cost is required to prepare the dredged material disposal site. Hyde County is the non-federal sponsor of the project. The next maintenance dredging of the channel is expected to be required in FY 2013.

Total Cost as of June 30, 2011

Federal	State*	Local*	Total
\$ -	\$ 220,694	\$ 48,923	\$ 269,617

*State and Local expenditures since 2004

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 925,000	\$ 155,000	\$ 155,000

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 925,000	\$ 155,000	\$ 155,000
FY 2014	\$ -	\$ -	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Dike construction in support channel dredging scheduled for FY 2013

Estimated Completion Date

N/A

Project Name

JOHN H. KERR DAM AND RESERVOIR, NC & VC SECTION 216 STUDY

Description

John H. Kerr Reservoir is operated by the Corps of Engineers for flood control, hydropower, recreation, and water releases to enhance striped bass spawning in the Roanoke River. The storage and release of water at Kerr Dam affects agriculture, forestry, wildlife, water quality, and industrial water use in the entire lower Roanoke Basin. The State of North Carolina, the Commonwealth of Virginia, and the Corps of Engineers are sponsoring a study of the operation of Kerr Lake to see if the economic and environmental benefits from the lake can be increased. At the end of the study it is anticipated that both structural and non-structural measures will be taken to improve the operation of John H. Kerr Dam. Preliminary engineering and design of these measures would begin in FY 2013.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 1,969,186	\$ 1,423,186		\$ 3,392,372

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 279,000	\$ 279,000	
Construction	\$ 1,125,000	\$ 375,000	
O & M			

	Federal	State	Local
FY 2012	\$ 365,000	\$ 307,500	\$ -
FY 2013	\$ 300,000	\$ 100,000	\$ -
FY 2014	\$ 300,000	\$ 100,000	\$ -
FY 2015	\$ 300,000	\$ 100,000	\$ -
FY 2016	\$ 139,000	\$ 46,500	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Feasibility scheduled for completion in FY 2012, if funding available

Estimated Completion Date

FY 2016

Project Name

MANTEO, OLD HOUSE CHANNEL, SECTION 204, DARE COUNTY

Description

The proposed project would use sandy dredged material from maintenance dredging of Old House Channel to build submerged sand mounds to be topped with cultch for oyster reefs. Sand would be placed in submerged enclosures in a depth of water where optimum oyster growing conditions are found. The submerged mounds will be located near the authorized navigation channel where submerged aquatic vegetation (SAV) or other significant resources exist. Creation of the submerged sand mounds would provide an environmentally sound disposal area for dredged material.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 250,000	\$ -	\$ -	\$ 250,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 360,000	\$ -	\$ -
Construction	\$ 1,940,000	\$ 1,250,000	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 2,300,000	\$ 1,250,000	\$ -
FY 2014	\$ -	\$ -	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Awaiting federal funding

Estimated Completion Date

FY 2013, if funded 2012

Project Name

MANTEO (SHALLOWBAG BAY) MAINTENANCE DREDGING, DARE COUNTY

Description

As part of the maintenance dredging of the navigation channel going from Oregon Inlet to Wanchese Harbor, the Corps of Engineers must provide environmentally sound spoil disposal sites. As the non-Federal sponsor of this channel, the state is required to pay for preparation of the spoil disposal sites, which involves the raising of dikes around a spoil disposal island (Island H). The Corps pays for 100% of the dredging costs. In addition to the channel from Oregon Inlet to Wanchese Harbor, there are two other channels—the Manteo to Wanchese and the North—that are a part of this project. Because the Corps views these projects as primarily recreational, it has not maintained them. Because of this policy, the state has paid to keep these channels open.

Total Cost as of June 30, 2011

Federal	State*	Local	Total
\$ -	\$ 14,312,043	\$ -	\$ 14,312,043

*State expenditures since 2001

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 46,300,000	\$ 7,000,000	\$ -

	Federal	State	Local
FY 2012	\$ 3,300,000	\$ -	\$ -
FY 2013	\$ 8,000,000	\$ 2,000,000	\$ -
FY 2014	\$ 8,300,000	\$ 2,000,000	\$ -
FY 2015	\$ 8,600,000	\$ 2,000,000	\$ -
FY 2016	\$ 8,900,000	\$ -	\$ -
FY 2017	\$ 9,200,000	\$ 1,000,000	\$ -

Status of Project

Ongoing

Estimated Completion Date

N/A

Project Name

MOREHEAD CITY HARBOR DREDGING, CARTERET COUNTY

Description

The deepening of Morehead City Harbor to 45 feet was completed in 1994. Maintenance dredging of this Harbor has been done in two ways: (1) sand from the outer ocean bar channels has been placed in either an ocean disposal site or a near shore site and (2) mostly sandy material from the inner channel and harbor area has been pumped to the Brandt Island disposal area. As the non-Federal sponsor of this project, the state is required to pay for preparation of the spoil disposal sites, which involves the raising of dikes and spillway repairs. The Corps pays for 100% of the dredging costs.

Total Cost as of June 30, 2011

Federal	State*	Local	Total
\$ -	\$ 2,213,698	\$ -	\$ 2,213,698

*State expenditures since 2001

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 35,900,000	\$ 300,000	\$ -

	Federal	State	Local
FY 2012	\$ 5,900,000	\$ 100,000	\$ -
FY 2013	\$ 10,500,000	\$ -	\$ -
FY 2014	\$ 7,000,000	\$ 100,000	\$ -
FY 2015	\$ 2,500,000	\$ -	\$ -
FY 2016	\$ 7,500,000	\$ 100,000	\$ -
FY 2017	\$ 2,500,000	\$ -	\$ -

Status of Project

Ongoing

Estimated Completion Date

N/A

Project Name

NEUSE RIVER BASIN INVESTIGATION

Description

Water quality and flooding problems in the Neuse River Basin have impacted the lives and livelihood of many citizens of the Neuse River Basin. This study will focus on ways to improve water quality as well as how best to improve aquatic habitats. It focuses on three areas: (1) stream and wetland restoration; (2) removal of obsolete dams and other obstructions; and (3) restoration of oyster habitat and oysters in the Neuse River estuary. Projects recommended by this study may be done as continuing authority projects by the Corps of Engineers, if funding is available, or by the State of North Carolina, if federal funding is not available.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 1,579,000	\$ 1,457,000	\$ -	\$ 3,036,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ 87,000	\$ -
Construction	\$ 25,279,000	\$ 8,656,000	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ 400,000	\$ 250,000	\$ -
FY 2013	\$ 500,000	\$ 167,000	\$ -
FY 2014	\$ 900,000	\$ 300,000	\$ -
FY 2015	\$ 9,963,000	\$ 3,321,000	\$ -
FY 2016	\$ 3,916,000	\$ 1,305,000	\$ -
FY 2017	\$ 10,000,000	\$ 3,400,000	\$ -
		\$ -	\$ -

Status of Project

Feasibility scheduled for completion in FY 2012, if funding available

Estimated Completion Date

FY 2017

Project Name

PLANNING ASSISTANCE TO NORTH CAROLINA COMMUNITIES

Description

Section 22 of the Water Resources Development Act of 1974 allows the Corps to assist states and local communities with preparation of comprehensive plans for the development, use, and conservation of water and related land resources. The non-Federal sponsor (state and/or local government) must provide 50% of the cost. For studies sponsored by units of local government, the state can provide up to 50% of the non-Federal cost. One project currently underway: Black Mountain Dam Study. One project proposal currently under consideration by the U.S. Corps of Engineers: Greenville Utilities Commission/Neuse Water and Sewer Authority Interconnection Study.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 1,275,820	\$ 331,455	\$ 306,455	\$ 1,913,730

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 600,000	\$ 300,000	\$ 300,000
Construction			
O & M			

	Federal	State	Local
FY 2012	\$ 100,000	\$ 50,000	\$ 50,000
FY 2013	\$ 100,000	\$ 50,000	\$ 50,000
FY 2014	\$ 100,000	\$ 50,000	\$ 50,000
FY 2015	\$ 100,000	\$ 50,000	\$ 50,000
FY 2016	\$ 100,000	\$ 50,000	\$ 50,000
FY 2017	\$ 100,000	\$ 50,000	\$ 50,000

Status of Project

Ongoing

Estimated Completion Date

N/A

Project Name

PRINCEVILLE FLOOD CONTROL STUDY

Description

This Corps of Engineering study was funded by a special appropriation from Congress and requires that the State match these funds dollar for dollar. The purpose of the study is to determine what additional flood control measures to protect the Town of Princeville are feasible. The Corps has completed some preliminary work that indicates that the more expensive flood control measures, such as the construction of a flood bypass channel, the construction of upstream flood control dams, and the flood-proofing of existing structures are not feasible. The feasibility study is scheduled for completion in FY 2012, if funding is available.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 1,597,000	\$ 1,400,000	\$ -	\$ 2,997,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 303,000	\$ 303,000	\$ -
Construction	\$ 13,488,000	\$ 7,262,000	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 203,000	\$ 203,000	\$ -
FY 2014	\$ 425,000	\$ 275,000	\$ -
FY 2015	\$ 163,000	\$ 87,000	\$ -
FY 2016	\$ 13,000,000	\$ 7,000,000	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Feasibility is scheduled for completion by end of 2012. If funds are appropriated, work on plans & specs will begin in FY 2013.

Estimated Completion Date

FY 2016

Project Name

SILVER LAKE HARBOR MAINTENANCE DREDGING, OCRACOKE, HYDE COUNTY

Description

This project includes 12-foot deep basin within Silver Lake Harbor at Ocracoke, a 60-foot wide by 12-foot deep entrance channel from the harbor to the Teaches Hole Channel, the 150-foot wide by 12-foot deep Teaches Hole Channel to Ocracoke Inlet, and 150-foot wide by 12-foot deep Big Foot Slough Channel from the Teaches Hole Channel to Pamlico Sound. Hyde County, the local sponsor, is responsible for the costs of the sand-bag dikes used in dredging the Big Foot Slough Channel. These dikes were replaced in FY 2006 and should last until at least FY 2013

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ -	\$ -	\$ -	\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 5,250,000	\$ 250,000	\$ 250,000

	Federal	State	Local
FY 2012	\$ 250,000	\$ -	\$ -
FY 2013	\$ 1,000,000	\$ 250,000	\$ 250,000
FY 2014	\$ 1,000,000	\$ -	\$ -
FY 2015	\$ 1,000,000	\$ -	\$ -
FY 2016	\$ 1,000,000	\$ -	\$ -
FY 2017	\$ 1,000,000	\$ -	\$ -

Status of Project

Sandbag improvements scheduled for FY 2013

Estimated Completion Date

N/A

Project Name

STUMPY POINT BAY MAINTENANCE DREDGING, DARE COUNTY

Description

This project involves the maintenance dredging of the 3.8 mile navigation channel in Stumpy Point Bay. The channel is 10-feet deep and 75-feet wide. Material will be placed on an upland disposal site on land owned by the US Fish and Wildlife Service. Dare County is the non-federal sponsor of this project.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ -	\$ -	\$ -	\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 1,500,000	\$ 250,000	\$ 250,000

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ -	\$ 250,000	\$ 250,000
FY 2014	\$ 1,500,000	\$ -	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Dike raising in FY 2013, if funding ia available

Estimated Completion Date

N/A

Project Name

SURF CITY – NORTH TOPSAIL BEACH PROTECTION, PENDER COUNTY

Description

This potential hurricane protection project began in FY 2001 with a reconnaissance study funded entirely by the Corps of Engineers. That study determined that there was a Federal interest in a beach nourishment project to protect citizens of Surf City and the southern 4-mile section of North Topsail Beach from storm damages. In February 2002, the Corps entered into an agreement with the Towns of Surf City and North Topsail Beach to conduct a feasibility study funded jointly with the two towns. The feasibility study is scheduled for completion in late FY 2011

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 2,341,000	\$ 1,080,500	\$ 1,080,500	\$ 4,502,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 65,000		
Construction	\$ 43,135,000	\$ 8,999,667	\$ 9,049,667
O & M			

	Federal	State	Local
FY 2012	\$ 700,000	\$ 116,667	\$ 166,667
FY 2013	\$ 300,000	\$ 50,000	\$ 50,000
FY 2014	\$ 200,000	\$ 33,000	\$ 33,000
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ 21,000,000	\$ 3,200,000	\$ 3,200,000
FY 2017	\$ 21,000,000	\$ 5,600,000	\$ 5,600,000

Status of Project

Feasibility scheduled for completion in FY 2011. Development of plans & specs to be initiated in FY 2012, if funding available

Estimated Completion Date

FY 2065

Project Name

TAR RIVER AND PAMLICO SOUND INVESTIGATION

Description

The Wilmington District, Corps of Engineers, is planning to investigate flooding, drainage, and water supply problems in the Tar – Pamlico River Basin. The Corps would then propose alternative measures to solve these problems. The State of North Carolina would be the non-Federal sponsor of this study. Because of other higher priority studies and limited manpower, the State has declined sponsorship of this study at this time.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 137,000	\$ -	\$ -	\$ 137,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ -	\$ -	\$ -
FY 2014	\$ -	\$ -	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Deferred indefinitely by the State

Estimated Completion Date

N/A

Project Name

WEST ONSLOW BEACH (TOPSAIL BEACH), PENDER COUNTY

Description

This authorized Corps of Engineers shore protection project for approximately 3 miles of the oceanfront at Topsail Beach on the southern end of Topsail Island was placed in the inactive category in July 1994 due to lack of local support. The town requested the Corps reevaluate the project area plus an additional 2.5 miles. The Corps of Engineers began a general reevaluation in October 2001. Chief's report signed in September 2009. The initial plans and specs initiated in FY 2010.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 3,821,398	\$ 660,366	\$ 660,366	\$ 5,142,130

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility			
Construction	\$ 27,597,000	\$ 4,599,667	\$ 4,599,667
O & M			

	Federal	State	Local
FY 2012	\$ 742,000	\$ 123,667	\$ 123,667
FY 2013	\$ -	\$ -	\$ -
FY 2014	\$ 26,855,000	\$ 4,476,000	\$ 4,476,000
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Project authorization in Water Resources Development Act in FY 2011 is next milestone

Estimated Completion Date

FY 2065

Project Name

WILMINGTON HARBOR DEEPENING, NEW HANOVER and BRUNSWICK COUNTIES

Description

This project includes deepening of Wilmington Harbor, the navigation channel in the Cape Fear River from Wilmington Harbor to the Atlantic Ocean, and the Northeast Cape Fear River navigation channel. It also includes the construction of a 200-foot widening of the Cape Fear River navigation channel for a distance of 6 miles (called a passing lane) and the construction of wideners at the major turns and bends of that Cape Fear channel. The deepening will allow Wilmington Harbor to accommodate fully loaded container ships and other bulk cargo ships and keep shipping costs competitive with those at Norfolk, Charleston, and Savannah. The passing lane and wideners will allow larger ships to navigate the Cape Fear River channel in less time and greater safety. The U.S. Congress funded a new start on this combined navigation project in 1997. This project also includes the construction of a long-term disposal site for materials dredged in the vicinity of the State Port.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 242,208,000	\$ 73,995,550	\$ 1,345,000	\$ 317,548,550

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ 49,900,000	\$ 16,597,000	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ 1,900,000	\$ 600,000	\$ -
FY 2013	\$ 20,000,000	\$ 6,667,000	\$ -
FY 2014	\$ 28,000,000	\$ 9,330,000	\$ -
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ -	\$ -	\$ -

Status of Project

Dike raises at Eagle Island and installation of fish passage at Lock and Dam #1 will occur in FY 2012

Estimated Completion Date

FY 2014, if funding is available.

Project Name

WILMINGTON HARBOR MAINTENANCE DREDGING, 42 FT. PROJECT, NEW HANOVER AND BRUNSWICK COUNTIES

Description

Maintenance dredging is required almost every year to keep open the channels from the Atlantic Ocean up the Cape Fear and Northeast Cape Fear rivers to Wilmington, Fayetteville, and other terminal points. The Federal government pays for the cost of dredging the sediments, while the state of North Carolina, the non-Federal sponsor, pays for the cost of dredged material disposal areas. Without this maintenance work, the exporting and importing of goods and commodities through the State Ports Authority terminal and numerous private terminals could not occur. The beach quality sand that is dredged from the navigation channel from the Atlantic Ocean to Wilmington is placed on the following beaches: Carolina Beach, Bald Head Island, Caswell Beach, and Oak Island.

Total Cost as of March 31, 2010

Federal	State*	Local	Total
\$ -	\$ 6,219,872	\$ -	\$ 6,219,872

*State expenditures since 2001

Estimated costs from 07/01/2010 through 06/30/2016

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
O & M	\$ 84,945,000	\$ 1,200,000	\$ -

	Federal	State	Local
FY 2012	\$ 12,445,000	\$ 200,000	\$ -
FY 2013	\$ 13,500,000	\$ 200,000	\$ -
FY 2014	\$ 14,000,000	\$ 200,000	\$ -
FY 2015	\$ 14,500,000	\$ 200,000	\$ -
FY 2016	\$ 15,000,000	\$ 200,000	\$ -
FY 2017	\$ 15,500,000	\$ 200,000	\$ -

Status of Project

Ongoing

Estimated Completion Date

N/A

Project Name

WILMINGTON HARBOR IMPROVEMENTS FEASIBILITY STUDY, NC

Description

This is a proposed cost-shared U.S. Army Corps of Engineers feasibility study which would investigate issues related to traffic delays and safety concerns caused by the existing Wilmington Harbor channel alignment. Areas to be investigated include the entrance channel, navigation channel adjacent to Bald Head Island and the Battery Island turn, and the safe and efficient turning of containerships in the existing Anchorage Basin. The study would seek to identify options for improving access to the State Ports Authority terminal and other private terminals in the Wilmington Harbor complex and improve safety for ships visiting the harbor. The safe and efficient operation of the Wilmington Harbor complex is vital to the economy of the local area and the entire State.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 100,000	\$ -	\$ -	\$ 100,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 5,293,000	\$ 4,793,000	\$ -
Constuction	\$ -	\$ -	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ 93,000	\$ 93,000	\$ -
FY 2013	\$ 400,000	\$ 400,000	\$ -
FY 2014	\$ 1,600,000	\$ 1,600,000	\$ -
FY 2015	\$ 1,500,000	\$ 1,500,000	\$ -
FY 2016	\$ 1,500,000	\$ 1,000,000	\$ -
FY 2017	\$ 200,000	\$ 200,000	\$ -

Status of Project

Recon study completed

Estimated Completion Date

FY 2016

Project Name

WILMINGTON HARBOR IMPROVEMENTS, SECTION 216

Description

This proposed study will review the Wilmington Harbor navigation project from the Horseshoe Shoal area through the inner ocean bar channel, located on the southeastern coast of North Carolina in Brunswick and New Hanover Counties. The existing project provides for a channel 44 feet deep through the ocean bar and entrance channel changing to 42 feet deep extending to the upper portion of the anchorage basin at the state of North Carolina ports facility at Wilmington, NC. This study will review the completed project and determine if modifications are advisable due to significantly changed physical, environmental, and/or economic conditions. Alternatives to be investigated could include leaving the channel in their current status or modifying channel depths and/or alignment through partial or total removal.

Total Cost as of June 30, 2011

Federal	State	Local	Total
			\$ -

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ 1,600,000	\$ 750,000	\$ 750,000
Construction	\$ -	\$ -	\$ -
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 100,000	\$ -	\$ -
FY 2014	\$ 400,000	\$ 200,000	\$ 200,000
FY 2015	\$ 400,000	\$ 200,000	\$ 200,000
FY 2016	\$ 400,000	\$ 200,000	\$ 200,000
FY 2017	\$ 300,000	\$ 150,000	\$ 150,000

Status of Project

Awaiting federal funding

Estimated Completion Date

Unknown at this time

Project Name

WILSON BAY RESTORATION (SECTION 206) , ONSLOW COUNTY

Description

Wilson Bay is a 106-acre shallow estuarine embayment of the New River within the City of Jacksonville. The Wilson Bay aquatic ecosystem was degraded by many years of wastewater from a sewage treatment plant and by urban non-point source runoff. This restoration project's goals are to improve water quality, restore the benthic community and the use of the Bay as a nursery area, and restore the use of the Bay for recreation and economic purposes. The City of Jacksonville has already taken several major actions to rehabilitate the Bay including the decommissioning of the wastewater treatment plant, installing three water column aeration units, planting oysters in the bay, and planting wetlands along the shoreline. The Corps has designed a project to help the City's project become self-sustaining. It will purchase and operate three additional aerators, restore wetlands and creeks within the Wilson Bay urban watershed, plant additional oysters and submerged aquatic vegetation, and install bio-swales and rain gardens. The City of Jacksonville is the non-federal sponsor of the project.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 961,000	\$ 240,000	\$ 240,000	\$ 1,441,000

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ 2,909,000	\$ 777,000	\$ 777,000
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ 2,491,000	\$ 105,000	\$ 105,000
FY 2013	\$ 270,000	\$ 633,000	\$ 633,000
FY 2014	\$ 50,000	\$ 14,000	\$ 14,000
FY 2015	\$ 50,000	\$ 14,000	\$ 14,000
FY 2016	\$ 48,000	\$ 11,000	\$ 11,000
FY 2017	\$ -	\$ -	\$ -

Status of Project

Project in design stage and scheduled for award in FY 2011

Estimated Completion Date

FY 2017

Project Name

WRIGHTSVILLE BEACH RENOURISHMENT, NEW HANOVER COUNTY

Description

This Corps of Engineers project is located at Wrightsville Beach, a barrier island about 5 miles east of Wilmington. The project provides both beach erosion and hurricane protection. It consists of a frontal dune at elevation 15-feet above mean low water and a beach berm at elevation 12-feet. The project was built to protect against hurricanes equal to that of October 15, 1954 (Hurricane Hazel). The Water Resources Development Act of 1986 provides for Federal participation in the renourishment of the project over its 50-year lifetime, until 2036. Renourishment normally occurs every four years.

Total Cost as of June 30, 2011

Federal	State	Local	Total
\$ 11,914,000	\$ 4,287,308	\$ 1,721,308	\$ 17,922,616

Estimated costs from 07/01/2011 through 06/30/2017

	Federal	State	Local
Feasibility	\$ -	\$ -	\$ -
Construction	\$ 4,200,000	\$ 942,000	\$ 942,000
O & M	\$ -	\$ -	\$ -

	Federal	State	Local
FY 2012	\$ -	\$ -	\$ -
FY 2013	\$ 350,000	\$ -	\$ -
FY 2014	\$ 3,500,000	\$ 942,000	\$ 942,000
FY 2015	\$ -	\$ -	\$ -
FY 2016	\$ -	\$ -	\$ -
FY 2017	\$ 350,000	\$ -	\$ -

Status of Project

Next renourishment scheduled for FY 20 14

Estimated Completion Date

FY 2036

Proposed projects in USACE-Wilmington District

A. Continuing Authorities Programs

Projects that are funded through the Continuing Authorities Program include: Section 204 (Beneficial use of dredged material), Section 206 (Restoration of aquatic ecosystems), and Section 1135 (Modifications to Corps projects for the Improvement of the Environment). These three sections have been authorized by the U.S. Congress and are annually funded by section. Projects that are "named" by the U.S. Congress receive priority for funding within that section. The Corps allocates funding to named projects first before unnamed projects.

Section	Project Name	Type	Estimated Cost		
			Federal	State	Local
204	Brandt Island, NC	Beneficial use of dredged material	\$ 3,140,000	\$ 1,610,000	TBD
204	Manteo Old House Channel, Dare County *	Oyster reef creation from dredge spoils	\$ 2,728,000	\$ 1,173,000	TBD
206	Gum Thicket Creek Restoration, Oriental, Pamlico County	Marsh creation, Shoreline stabilization	\$ 1,485,000	\$ 915,000	TBD
206	NC Oyster Habitat Restoration	Oyster habitat restoration	\$ 1,305,000	\$ 695,000	TBD
206	Gooch's Mill Dam Removal, Granville Co, NC	Dam removal to restore fish migration	\$ 573,000	\$ 278,000	TBD
206	Monkey Island Restoration, NC	Habitat creation, shoreline stabilization	\$ 885,000	\$ 455,000	TBD
206	NC Fish Passage and Dam Removals, NC	Dam removals to restore fish migration	\$ 2,575,000	\$ 1,425,000	TBD
206	Northern Currituck Sound SAV and Marsh Restoration, NC	Habitat restoration	\$ 1,825,000	\$ 975,000	TBD
206	Southern Currituck Sound SAV and Marsh Restoration, NC	Habitat restoration	\$ 1,825,000	\$ 975,000	TBD
1135	Belhaven Harbor Environmental Improvements, NC *	Habitat creation	\$ 2,300,000	\$ 837,000	\$ 407,000

* Federal funds have been allocated for these two projects. Project have not been initiated, details can be found on pages 11 (Belhaven) and 18 (Manteo)

B. General Investigations

Section 216 grants the Corps the authority to reevaluate existing Corps projects. The Corps can conduct reconnaissance and feasibility studies under Sec. 216, but authorization from the U.S. Congress is required for any construction activities.

Page	Project Name	Study Subject	Estimated Cost		
			Federal	State	Local
9	AIWW - Snows Cut, New Hanover County	Salt water intrusion to Cape Fear River estuary	\$ 1,600,000	\$ 750,000	\$ 750,000
13	Cape Fear Above Wilmington, NC	Deauthorization of L&D 1,2 & 3	\$ 1,600,000	\$ 750,000	\$ 750,000
14	Carolina Beach, NC	Reauthorization of beach renourishment project	\$ 1,100,000	\$ 500,000	\$ 500,000
25	Wilmington Harbor, NC	Channel performance evaluation	\$ 1,600,000	\$ 750,000	\$ 750,000

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B. Project Information, Category 3, Water Resources Development Projects for Which Grant Applications Have Been Submitted Under Part 8 of Article 21 of Chapter 143 of the General Statutes

Project application status is as of June 1, 2011 and subject to change if any additional submittals are made prior to July 1, 2011 grant application deadline.

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Walnut Street Culvert Water Management	47
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Western NC Nature Center Water Management	48
White Oak Branch Drainage	49
Woodfin Greenway Trail & Stream Enhancement	49
Zack Circle Stormwater	49

Project Name

AQUATIC WEED CONTROL – LAKE GASTON

Description

In 1985, a survey of Lake Gaston found 15 acres infested with the aquatic weed Hydrilla. By the fall of 1996, the infestation had grown to over 3,250 acres. The total area of Lake Gaston that can potentially be impacted is about 5,000 acres, or all of the lake that is less than 10 feet deep. Hydrilla interferes with fishing, boating, swimming, and water skiing. The Division of Water Resources has assisted the Lake Gaston Weed Control Council in chemical and biological treatments since 1994. In 2010, approximately 802 acres of weed infested waters were treated using herbicides, and an additional 367 acres were targeted with biological agents

Estimated Cost in FY 2012 (if funded)

State	Local	Total
\$ 100,000	\$ 100,000	\$ 200,000

Cost to June 30, 2011

State	Local	Total
\$ 2,134,375	\$ 1,919,150	\$ 4,053,525

State Funding Source

G.S. 143-215.71

Status of Project

Ongoing

Est. Completion Date

N/A

Project Name

AQUATIC WEED CONTROL - STATEWIDE

Description

The N.C. Div. of Water Resources provides technical and financial assistance to local governments in the evaluation and treatment of aquatic weed infestations. State financial assistance (50% cost-sharing) for local weed control projects is still available. During the 2010 treatment season, DWR worked with local government and utility sponsors in the treatment of approximately 1405 acres of weed infested waters using herbicides, and an additional 730 acres were targeted with biological agents (Treatment numbers include Lake Gaston). In 2011 a similar number of projects and scope is expected. The estimated total cost to provide this service is \$200,000

Estimated Cost in FY 2012 (if funded)

State	Local	Total
\$ 200,000	\$ 200,000	\$ 400,000

Cost to June 30, 2011

State	Local	Total
\$ 1,534,559	\$ 1,271,136	\$ 2,805,695

State Funding Source

G.S. 143-215.71

Status of Project

Ongoing

Est. Completion Date

N/A

Project Name

AQUATIC WEED CONTROL EQUIPMENT STORAGE FACILITY

Description

Project involves the construction of a pre-engineered building (120' x 32') for housing equipment associated with the N.C. Division of Water Resources Aquatic Weed Control Program. The facility would be located in Raleigh, on land leased from North Carolina State University. The N.C. Division of Water Resources provides technical assistance to local governments and public utilities in the management of noxious aquatic weed infestations. This assistance involves the use of an assortment of specialized equipment which is required to conduct the field work. The types of equipment include: Truck, boats (3 airboats, 2 jonboats), canoes, small gas-powered engines, sprayers, spreaders, power cutters, hand tools, etc. This equipment is currently stored at a temporary location pending the construction of a proper facility. The new facility would allow for centralized long-term storage and a base for field operations. The facility would provide a safe place to service and repair equipment and protect sensitive and specialized equipment from the weather. The facility would also provide a secure room for the herbicides and related chemicals used by the program. N.C. State University has agreed to prepare a site and provide utilities in exchange for shared space in the new facility. The NCSU has an aquatic weed research program that is part of the Crop Science division. They are interested in consolidating their operations into one location. The needs of the two programs (DWR and NCSU) align and the partnership will provide mutual benefits

Estimated Cost in FY 2012 (if funded)

State	Local	Total
\$ 267,000		\$ 267,000

Cost to June 30, 2011

State	Local	Total
		\$ -

State Funding Source

G.S. 143-215.71

Status of Project

Awaiting State funding

Est. Completion Date

N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Asheville Stormwater Study	City of Asheville	Buncombe

Description
 This study will develop stormwater best management practice (BMPs) guidelines for the urbanized Asheville area.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 24,000</td> <td>\$ 24,000</td> <td>\$ 48,000</td> </tr> </tbody> </table>	State	Local	Total	\$ 24,000	\$ 24,000	\$ 48,000	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 24,000	\$ 24,000	\$ 48,000												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Avery County High School Stormwater Wetland	Avery County School Board	Avery

Description
 This project will treat stormwater runoff diverted from a 15-acre urban catchment before it enters Kentucky Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 175,000</td> <td>\$ 175,000</td> <td>\$ 350,000</td> </tr> </tbody> </table>	State	Local	Total	\$ 175,000	\$ 175,000	\$ 350,000	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 175,000	\$ 175,000	\$ 350,000												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Bald Creek Restoration (SS)	Haywood Soil and Water	Haywood

Description
 This project will stabilize 1,260 feet of eroding streambank along Bald Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 69,794</td> <td>\$ 69,794</td> <td>\$ 139,588</td> </tr> </tbody> </table>	State	Local	Total	\$ 69,794	\$ 69,794	\$ 139,588	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 69,794	\$ 69,794	\$ 139,588												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Banner Elk Elementary School SW Wetland & Stream Restoration	Town of Banner Elk	Avery

Description
 This project will construct a one-acre stormwater wetland, a one-acre riparian wetland and restore 600 feet of eroding streambank.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 228,636</td> <td>\$ 228,636</td> <td>\$ 457,271</td> </tr> </tbody> </table>	State	Local	Total	\$ 228,636	\$ 228,636	\$ 457,271	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 228,636	\$ 228,636	\$ 457,271												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

Project Name **Project Sponsor** **County**
 Bear Creek DD #1 Water Management Wayne County Drainage District Wayne

Description
 This project will make repairs at four dam water control structures.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 24,975	\$ 24,975	\$ 49,950	\$ -	\$ -	\$ -	

Status of Project **Est. Completion Date**
 Deferred N/A

Project Name **Project Sponsor** **County**
 Beaufort Regional Health Water Management Beaufort Regional Health System Beaufort

Description
 This project will redesign and enlarge an existing stormwater retention pond to increase capacity and improve treatment of stormwater runoff.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 197,498	\$ 197,498	\$ 394,996	\$ -	\$ -	\$ -	

Status of Project **Est. Completion Date**
 Deferred N/A

Project Name **Project Sponsor** **County**
 Big Creek Restoration Phase 2 (PS) Surry Soil and Water Surry

Description
 This feasibility study will provide engineering design and permitting for restoring a 4,000-foot reach of streambank along Big Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 10,000	\$ 10,000	\$ 20,000	\$ 110,000	\$ 55,000	\$ 165,000	

Status of Project **Est. Completion Date**
 Water Resources Development Grant Application under consideration for funding N/A

Project Name **Project Sponsor** **County**
 Big Hungry River Dam Removal Phase 2 Wildlife Resources Commission Henderson

Description
 This project will assist the NC Wildlife Resources Commission in the removal of the Big Hungry Dam which impedes movement of aquatic organisms.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 99,500	\$ 99,500	\$ 199,000	\$ -	\$ -	\$ -	

Status of Project **Est. Completion Date**
 Water Resources Development Grant Application under consideration for funding N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Boone Fork and Watauga River Restoration (HS)	Watauga County	Watauga

Description
 This project will stabilize 1,500 feet of eroding streambank along Boone Fork and the Watauga River.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 116,567	\$ 116,567	\$ 233,133	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Bowlin-Peak Creek Stream Restoration	New River Soil and Water	Ashe

Description
 This project will stabilize 1,180 feet of eroding streambank along Peak Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 33,750	\$ 33,750	\$ 67,500	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Calico Bay Drainage	Pender County	Pender

Description
 This proposed project will develop a basin wide Water Supply Master Plan for the Catawba Basin. The project will better equip the Catawba Wateree Water Management Group to comprehensively address all water related issues in the CW Basin, in support of its overall mission.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 74,963	\$ 74,963	\$ 149,925	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Calypso Drainage Project	Town of Calypso	Duplin

Description
 This project will replace drainage infrastructure in three watersheds located within the Town of Calypso.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 284,858	\$ 284,858	\$ 569,715	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Carolina Beach Access Phase 3	Town of Carolina Beach	New Hanover

Description

This project involves the purchase of a 0.287 acre parcel which will become part of the Ocean-to-Sound Access Park and future home of the NC Aquarium Pier.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 70,616	\$ 70,616	\$ 141,232	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Catawba Water Management Study	Catawba Wateree Water Manager	Mecklenburg

Description

This project will update the Catawba Wateree water Supply Study that was originally conducted in 2006 as part of Duke Energy's hydro relicensing effort. The update is required every 10 years in the settlement Agreement that was negotiated between S.C. and N.C. in order to resolve the Supreme Court lawsuit that was initiated by S.C. over the equitable use of the Catawba Wateree water.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 37,500	\$ 37,500	\$ 75,000	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Chicod Creek Snagging	Pitt County	Pitt

Description

This project will remove flow blockages from a 5 mile reach of upper Chicod Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 14,546	\$ 14,546	\$ 29,091	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Cold Water Creek Restoration	Cabarrus Soil and Water	Cabarrus

Description

This project will stabilize 1,300 feet of eroding streambank along Cold Water Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 56,870	\$ 56,870	\$ 113,741	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Colington Harbor Entrance Channel Phase 7	Dare County	Dare

Description
 This is Phase 7 of an ongoing dredging project to maintain the navigation channel at the entrance to Colington Harbor.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 15,675	\$ 15,675	\$ 31,350	\$ 94,933	\$ 23,733	\$ 118,666	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Connestee Falls Park	Transylvania County	Transylvania

Description
 This project will upgrade recreation amenities at Connestee Falls Park.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 166,500	\$ 166,500	\$ 333,000	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Contentnea Creek Water Management	Greene County	Greene

Description
 This project will remove flow blockages from a 20 mile reach of Contentnea Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 69,260	\$ 69,260	\$ 138,520	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
County-wide NPS GIS Evaluation	Madison Soil and Water	Madison

Description
 This project will perform a preliminary GIS evaluation of pollutant sources in Madison County with follow-up field observations.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 23,035	\$ 23,035	\$ 46,070	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Coweeta Creek Restoration (CS)	Macon Soil and Water	Macon

Description

This project will stabilize 250 feet of eroding streambank along Coweeta Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 25,345	\$ 25,345	\$ 50,690	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Cub Creek Park Bioretention Project	Town of Wilkesboro	Wilkes

Description

This project will treat stormwater runoff diverted from a 22-acre urban catchment before it enters Cub Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 40,000	\$ 40,000	\$ 80,000	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Dogwood Park Phase 2	Village of Wesley Chapel	Union

Description

This project will construct water-based recreation amenities at Dogwood Park.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 127,433	\$ 127,433	\$ 254,866	\$ 86,060	\$ 86,060	\$ 172,120	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
East Sugarloaf Island Groin	Town of Morehead City	Carteret

Description

This project will construct a groin on the east end of Sugarloaf Island to abate sand migration into the Morehead City Bulkhead Navigation Channel.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 206,500	\$ 206,500	\$ 413,000	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Elm Grove Water Management	Bertie County	Bertie

Description

This project will dip out and redesign 4,200 feet of open drainage channel and replace culverts at two private road crossings.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 24,663	\$ 24,663	\$ 49,325	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
French Broad River Restoration (GAES)	Transylvania Soil and Water	Transylvania

Description

This project will stabilize 325 feet of eroding streambank along the French Broad River.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 28,395	\$ 28,395	\$ 56,790	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
French Broad River Restoration (PS)	Transylvania Soil and Water	Transylvania

Description

This project will stabilize 1,027 feet of eroding streambank along the French Broad River.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 89,728	\$ 89,728	\$ 179,456	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Goshen Swamp Water Management	Duplin Soil and Water	Duplin

Description

This project will remove flow blockages from a 25.3 mile reach of Goshen Swamp.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 198,283	\$ 198,283	\$ 396,567	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Greenevers Water Management	Town of Greenevers	Duplin

Description

This project will perform 29,144 feet of roadside ditch maintenance within the Town of Greenevers.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 21,655	\$ 21,655	\$ 43,310	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Indian Grave Creek Restoration	Town of Kenansville	Duplin

Description

This project will stabilize 1,500 feet of eroding streambank along Indian Grave Creek using gabion baskets.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 124,250	\$ 124,250	\$ 248,501	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Irish Creek Restoration (SS)	Burke Soil and Water	Burke

Description

This project will stabilize 374 feet of eroding streambank along Irish Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 17,504	\$ 17,504	\$ 35,007	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Island Creek (and tributaries) Water Management	Duplin County	Duplin

Description

This project will remove flow blockages from a 16.3 mile reach of Island Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 127,741	\$ 127,741	\$ 255,483	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Little Fisher River Restoration	Surry Soil and Water	Surry

Description
 This project will stabilize 2,400 feet of eroding streambank along the Little Fisher River.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 112,444	\$ 112,444	\$ 224,888	\$ -	\$ -	\$ -	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Little Fork Creek Restoration	State (Division of Forest Resourc	Wilkes

Description
 This project will stabilize 5,000 feet of eroding streambank along the Little Fork Creek within the Rendezvous Mountain Educational State Forest.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 318,591	\$ 318,591	\$ 637,181	\$ -	\$ -	\$ -	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Livingston Creek Water Management	Columbus County	Columbus

Description
 This project will remove flow blockages from a 8.1 mile reach of Livingston Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 90,874	\$ 90,874	\$ 181,748	\$ -	\$ -	\$ -	

Status of Project
 Deferred

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Lumber River Snagging Phase 4	Lumber River COG	Robeson

Description
 This project will remove small boat navigation hazards from a 64 mile reach of the Lumber River.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 62,500	\$ 62,500	\$ 125,000	\$ 293,200	\$ 73,300	\$ 366,500	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Mars Hills Elementary (mycofiltration) Water Management (Prior funding)	Madison Soil and Water	Madison

Description
 This project will install and evaluate the effectiveness of a mycofiltration water quality improvement technique at two locations.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 21,990</td> <td>\$ 21,990</td> <td>\$ 43,981</td> </tr> </tbody> </table>	State	Local	Total	\$ 21,990	\$ 21,990	\$ 43,981	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 21,990	\$ 21,990	\$ 43,981												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Mill Branch Drainage	Pender County	Pender

Description
 This project will remove flow blockages from a 2.2 mile reach of Mill Branch.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 37,481</td> <td>\$ 37,481</td> <td>\$ 74,963</td> </tr> </tbody> </table>	State	Local	Total	\$ 37,481	\$ 37,481	\$ 74,963	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 37,481	\$ 37,481	\$ 74,963												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Mitchell River Restoration	Surry Soil and Water	Surry

Description
 This project will stabilize 4,400 feet of eroding streambank along the Mitchell River.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 56,222</td> <td>\$ 56,222</td> <td>\$ 112,444</td> </tr> </tbody> </table>	State	Local	Total	\$ 56,222	\$ 56,222	\$ 112,444	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 56,222	\$ 56,222	\$ 112,444												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Mitchell River Wetland Restoration	Surry Soil and Water	Surry

Description
 This project will stabilize 3,550 feet of eroding streambank along the Mitchell River and an unnamed tributary.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
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State	Local	Total												
\$ 56,222	\$ 56,222	\$ 112,444												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
MST Park (FS and Land Acquisition) Phase 2	Town of Clayton	Johnston

Description
 This project involves the purchase of 11 properties having a total area of 37 acres for the Mountains to Sea Trail corridor along the Neuse River.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 192,500	\$ 192,500	\$ 385,000	\$ 96,000	\$ 96,000	\$ 192,000	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Nags Head Beach Protection	Town of Nags Head	Dare

Description
 This project will renourish 10 miles of beach by hydraulic dredge using 4.6 million cubic yards of beach-quality sand located in offshore ocean borrow areas.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 10,964,167	\$ 22,260,581	\$ 33,224,748	\$ -	\$ -	\$ -	

Status of Project
 Deferred

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Obids Creek Restoration	New River Soil and Water	Ashe

Description
 This project will stabilize 2,500 feet of eroding streambank along Obids Creek and an unnamed tributary.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 239,880	\$ 239,880	\$ 479,760	\$ -	\$ -	\$ -	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Ocean Isle Beach Stormwater	Town of Ocean Isle Beach	Brunswick

Description
 This project will collect and treat stormwater runoff along 4,520 linear feet of roadway within the community.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 95,424	\$ 95,424	\$ 190,847	\$ -	\$ -	\$ -	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Pine Level Drainage	Town of Pine Level	Johnston

Description
 This project will upgrade the stormwater drainage infrastructure at three locations within the Town of Pine Level.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 133,433	\$ 133,433	\$ 266,867	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Polk County Courthouse Water Management	Town of Columbus	Polk

Description
 This project will utilize three innovative approaches to control stormwater runoff and improve runoff water quality within the Courthouse Square area in the Town of Columbus.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 138,681	\$ 138,681	\$ 277,361	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Riverview Acres Navigation Phase 2	Pasquotank County	Pasquotank

Description
 This is Phase 2 of a dredging project to improve navigation within the Riverview Acres subdivision located on the Pasquotank River.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 228,450	\$ 228,450	\$ 456,900	\$ 39,400	\$ 9,850	\$ 49,250	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Roscoe Creek Drainage	Pender County	Pender

Description
 This project will remove flow blockages from a 2.2 mile reach of Roscoe Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 74,963	\$ 74,963	\$ 149,925	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Saddle Mountain Creek Restoration	Surry Soil and Water	Surry

Description

This project will replace the culvert underneath Reynolds Road that is a fish barrier in Saddle Mountain Creek; which is designated as an Outstanding Resource Water by the NC Wildlife Resources Commission.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 22,489	\$ 22,489	\$ 44,978	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Shoal Creek Restoration (MS)	Yancey Soil and Water	Yancey

Description

This project will stabilize 875 feet of eroding streambank along Shoal Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 39,730	\$ 39,730	\$ 79,460	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Shuford Mills (Brookford) Dam removal project.	Catawba Soil and Water	Catawba

Description

This project will complete the design, permitting requirements and removal of the Shuford Mills Dam located on the Henry Fork River in Catawba County near the community of Brookford.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 97,500	\$ 97,500	\$ 195,000	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Sills Creek Drainage	Pender County	Pender

Description

This project will remove flow blockages from a 2.5 mile reach of Sills Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 112,444	\$ 112,444	\$ 224,888	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Skewarkee Trail Stormwater Management	Town of Williamston	Martin

Description
 This project will install BMPs to reduce erosion along a section of the Town's stormwater management system.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 17,347	\$ 17,347	\$ 34,693	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
South Hominy Creek Restoration (IS)	Buncombe Soil and Water	Buncombe

Description
 This project will stabilize 1,265 feet of eroding streambank along South Hominy Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 109,328	\$ 109,328	\$ 218,657	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Southern High School Water Management Design Phase 2	Durham Soil and Water	Durham

Description
 This project will design a retrofit for stormwater conveyance from roofs, parking lots and other impervious areas on the school grounds to bioretention ponds, stormwater treatment wetlands, underground cisterns and rain gardens.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 90,000	\$ 90,000	\$ 180,000	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Southern Shores Dredging Phase 3	Town of Southern Shores	Dare

Description
 This project will maintenance dredge 7 miles of canal within Southern Shores and the channel connecting the canal system to Currituck Sound.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 250,000	\$ 250,000	\$ 500,000	\$ 848,000	\$ 444,894	\$ 1,292,894	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Stewarts Creek Restoration	Surry Soil and Water	Surry

Description
 This project will stabilize feet of eroding streambank along Stewarts Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 137,500</td> <td>\$ 137,500</td> <td>\$ 275,000</td> </tr> </tbody> </table>	State	Local	Total	\$ 137,500	\$ 137,500	\$ 275,000	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 137,500	\$ 137,500	\$ 275,000												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Stewarts Creek Water Management	Duplin County	Duplin

Description
 This project will remove flow blockages from an 8.7 mile reach of Stewarts Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 68,181</td> <td>\$ 68,181</td> <td>\$ 136,361</td> </tr> </tbody> </table>	State	Local	Total	\$ 68,181	\$ 68,181	\$ 136,361	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 68,181	\$ 68,181	\$ 136,361												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Trent River Navigation Phase 3	Jones County	Jones

Description
 This project will remove small boat navigation hazards from an 8 mile reach of the Trent River.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 31,250</td> <td>\$ 31,250</td> <td>\$ 62,500</td> </tr> </tbody> </table>	State	Local	Total	\$ 31,250	\$ 31,250	\$ 62,500	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 173,840</td> <td>\$ 43,460</td> <td>\$ 217,300</td> </tr> </tbody> </table>	State	Local	Total	\$ 173,840	\$ 43,460	\$ 217,300	G.S. 143-215.71
State	Local	Total												
\$ 31,250	\$ 31,250	\$ 62,500												
State	Local	Total												
\$ 173,840	\$ 43,460	\$ 217,300												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Tuckerhole Creek Stream Restoration	Town of Wilkesboro	Wilkes

Description
 This project will stabilize 1,500 feet of eroding streambank along Tuckerhole Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>	<u>Cost to June 30, 2011</u>	<u>State Funding Source</u>												
<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ 240,630</td> <td>\$ 240,630</td> <td>\$ 481,259</td> </tr> </tbody> </table>	State	Local	Total	\$ 240,630	\$ 240,630	\$ 481,259	<table border="1"> <thead> <tr> <th>State</th> <th>Local</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> </tr> </tbody> </table>	State	Local	Total	\$ -	\$ -	\$ -	G.S. 143-215.71
State	Local	Total												
\$ 240,630	\$ 240,630	\$ 481,259												
State	Local	Total												
\$ -	\$ -	\$ -												

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
UT Kings Creek Restoration (LS)	Caldwell Soil and Water	Caldwell

Description
 This project will stabilize 600 feet of eroding streambank along an unnamed tributary to Kings Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 44,978	\$ 44,978	\$ 89,955	\$ -	\$ -	\$ -	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Vance Dam Removal and Rose Creek Stabilization	Mitchell Soil and Water	Mitchell

Description
 This project will remove an earthen dam located on Rose Creek and restore 900 feet of stream channel.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 74,963	\$ 74,963	\$ 149,925	\$ -	\$ -	\$ -	

Status of Project
 Water Resources Development Grant Application under consideration for funding

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Wallace Storm Drainage Phase 2	Town of Wallace	Duplin

Description
 This project will upgrade drainage infrastructure along four streets within the Town of Wallace.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 148,754	\$ 148,754	\$ 297,508	\$ 145,504	\$ 71,570	\$ 217,074	

Status of Project
 Deferred

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Walnut Street Culvert Water Management	City of Lumberton	Robeson

Description
 This project will replace a box culvert underneath North Walnut Street and relocated utilities required to accommodate the replacement.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 62,462	\$ 62,462	\$ 124,924	\$ -	\$ -	\$ -	

Status of Project
 Deferred

Est. Completion Date
 N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Wendell Stormwater Study - Lake Drive Catchment	Town of Wendell	Wake

Description

This feasibility study will analyze the hydraulic capacities and identify deficiencies of the existing stormwater collection system serving the Lake Drive area of Wendell.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 5,375	\$ 5,375	\$ 10,750	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
West Montgomery High Water Management	Montgomery County Board of Ed	Montgomery

Description

This project will install a drainage system for athletic fields at West Montgomery High School.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 78,025	\$ 78,025	\$ 156,051	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
West Pine Swamp Creek Restoration	New River Soil and Water	Ashe

Description

This project will stabilize 900 feet of eroding streambank along West Pine Swamp Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 137,931	\$ 137,931	\$ 275,862	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Western NC Nature Center Water Management	City of Asheville	Buncombe

Description

This project will utilize four innovative approaches to control stormwater runoff and improve runoff water quality at the Western NC Nature Center.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 86,807	\$ 86,807	\$ 173,613	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Water Resources Development Grant Application under consideration for funding	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
White Oak Branch Drainage	Pender County	Pender

Description
 This project will remove flow blockages from a 3.5 mile reach of White Oak Branch.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 74,963	\$ 74,963	\$ 149,925	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Woodfin Greenway Trail and Stream Enhancement	Town of Woodfin	Buncombe

Description
 This project will construct a 5,000-foot section of greenway along Beaver Dam Creek.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 360,170	\$ 360,170	\$ 720,340	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

<u>Project Name</u>	<u>Project Sponsor</u>	<u>County</u>
Zack Circle Stormwater	City of Jacksonville	Onslow

Description
 This project will upgrade stormwater drainage infrastructure at a site located on Zack Circle in the City of Jacksonville.

<u>Estimated Cost in FY 2012 (if funded)</u>			<u>Cost to June 30, 2011</u>			<u>State Funding Source</u>
State	Local	Total	State	Local	Total	G.S. 143-215.71
\$ 80,500	\$ 80,500	\$ 161,000	\$ -	\$ -	\$ -	

<u>Status of Project</u>	<u>Est. Completion Date</u>
Deferred	N/A

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- C. Project Information, Category 4, Water Resources Development Projects for which grant applications have been submitted under Article 4 of Chapter 139 of the General Statutes.**

None at this time

- D. Project Information, Category 5, Water Resources Development Projects planned as federal reservoir projects but for which no federal funds are scheduled and for which Local Governments are seeking financial assistance.**

None at this time

APPENDIX

Part 8A. Water Resources Development Plan.

§ 143-215.73A. Water Resources Development Plan.

(a) Plan prepared. – Before 1 July in each calendar year, the Department of Environment and Natural Resources shall prepare a statewide plan for water resources development projects for a period of six years into the future. The plan shall be known as the Water Resources Development Plan. If the plan differs from the Water Resources Development Plan adopted for the preceding calendar year, the Department shall indicate the changes and the reasons for such changes. The Department shall submit the plan to the Director of the Budget for review.

(b) Projects listed. – The plan shall list the following water resources development projects based on their status as of 1 May of the year in which the plan is prepared:

- (1) Projects approved by the Congress of the United States.
- (2) Projects for which the Congress of the United States has appropriated funds.
- (3) Projects for which grant applications have been submitted under Part 8 of Article 21 of Chapter 143 of the General Statutes.
- (4) Projects for which grant applications have been submitted under Article 4 of Chapter 139 of the General Statutes.
- (5) Projects planned as federal reservoir projects but for which no federal funds are scheduled and for which local governments are seeking State financial assistance.

(c) Project priorities and funding recommendations. – The Department shall assign a priority to each project within each of the five categories listed under subsection (b) of this section either by giving the project a number, with "1" assigned to the highest priority, or by recommending no funding. The Department shall state its reasons for recommending the funding, deferral, or elimination of a project. The Department shall determine the priority of a project based on the following criteria: local interest in the project, the cost of the project to the State, the benefit of the project to the State, and the environmental impact of the project.

(d) Project information. – For each project listed under subsection (b) of this section, the Water Resources Development Plan shall:

- (1) Provide a brief description.
- (2) If federal, list the estimated cost of each of the following phases that have not been completed as of 1 July, (i) feasibility study, (ii) construction, (iii) operation and maintenance, and the amount of State funds required to match the federal funds needed.
- (3) If State or local, list the estimated cost to complete the project and amount of State funds required under G.S. 143-215.71 or G.S. 139-54.
- (4) Indicate the total cost to date and the State share of that cost.
- (5) Indicate the status.
- (6) Indicate the estimated completion date.

(e) Distribution of the plan. – The Director of the Budget shall provide copies of the plan to the members of the Advisory Budget Commission when the Advisory Budget Commission meets to deliberate on the biennial budget or on the revised budget for the second year of the biennium. The Director of the Budget shall also provide copies of the plan to the General Assembly along with the recommended biennial budget and the recommended revised budget for the second year of the biennium.

(f) Budget recommendations. – The Director of the Budget shall determine which projects, if any, will be included in the recommended biennial budget and in the recommended revised budget for the second year of the biennium. The budget document transmitted to the General Assembly shall identify the projects or types of projects recommended for funding. (1991, c. 181, s. 1; 1997-443, s. 11A.119(a).)